
qcs-api-client

Release 0.23.1

Rigetti Computing

Sep 19, 2023

TABLE OF CONTENTS

1	Usage	3
1.1	Synchronous Usage	3
1.2	Asynchronous Usage	3
1.3	Configuration	3
2		5
2.1	API Reference	5
2.1.1	qcs_api_client	5
2.1.1.1	Subpackages	5
2.1.1.2	Submodules	238
	Python Module Index	239
	Index	243

Note

This documentation supports light and dark modes and will automatically adjust based on your browser's settings. You can toggle it manually with the icon in the top right.

A client library for accessing the [Rigetti QCS API](#).

1.1 Synchronous Usage

```
from qcs_api_client.client import build_sync_client
from qcs_api_client.models import ListReservationsResponse
from qcs_api_client.operations.sync import list_reservations

with build_sync_client() as client:
    response: ListReservationsResponse = list_reservations(client=client).parsed
```

1.2 Asynchronous Usage

```
from qcs_api_client.client import build_async_client
from qcs_api_client.models import ListReservationsResponse
from qcs_api_client.operations.asyncio import list_reservations

# Within an event loop:
async with build_async_client() as client:
    response: ListReservationsResponse = await list_reservations(client=client).parsed
```

1.3 Configuration

By default, initializing your client with `build_sync_client` or `build_async_client` will use `QCSClientConfiguration.load` to load default configuration values. This function accepts:

- A profile name (env: `QCS_PROFILE_NAME`). The name of the profile referenced in your settings file. If not provided, `QCSClientConfiguration.load` will evaluate this to a `default_profile_name` set in your settings file or “default”.
- A settings file path (env: `QCS_SETTINGS_FILE_PATH`). A path to the current user’s settings file in TOML format. If not provided, `QCSClientConfiguration.load` will evaluate this to `~/.qcs/settings.toml`.
- A secrets file path (env: `QCS_SECRETS_FILE_PATH`). A path to the current user’s secrets file in TOML format. If not provided, `QCSClientConfiguration.load` will evaluate this to `~/.qcs/secrets.toml`. The user should have write access to this file, as the client will attempt to update the file with refreshed access tokens as necessary.

If you need to specify a custom profile name or path you can initialize your client accordingly:

```
from qcs_api_client.client import build_sync_client, QCSClientConfiguration
from qcs_api_client.models import ListReservationsResponse
from qcs_api_client.operations.sync import list_reservations

configuration = QCSClientConfiguration.load(
    profile_name='custom',
    secrets_file_path='./path/to/custom/secrets.toml',
    settings_file_path='./path/to/custom/settings.toml',
)

with build_sync_client(configuration=configuration) as client:
    response: ListReservationsResponse = list_reservations(client=client).parsed
```


2.1 API Reference

This page contains auto-generated API reference documentation¹.

2.1.1 qcs_api_client

2.1.1.1 Subpackages

`qcs_api_client.api`

Contains methods for accessing the API

Subpackages

`qcs_api_client.api.account`

Submodules

`qcs_api_client.api.account.add_group_user`

Module Contents

Functions

<code>sync(→ qcs_api_client.types.Response[Any])</code>	Add user to a group
<hr/>	
<code>sync_from_dict(→ qcs_api_client.types.Response[Any])</code>	

<code>asyncio(→ qcs_api_client.types.Response[Any])</code>	Add user to a group
<hr/>	
<code>asyncio_from_dict(→ qcs_api_client.types.Response[Any])</code>	

`qcs_api_client.api.account.add_group_user.sync(*, client: httpx.Client, json_body: qcs_api_client.models.add_group_user_request.AddGroupUserRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

¹ Created with sphinx-autoapi

Add user to a group

Add a user to a group. Note, group membership may take several minutes to update within our identity provider. After adding a user to a group, please allow up to 60 minutes for changes to be reflected.

Parameters `json_body` ([AddGroupUserRequest](#)) – Must provide either `userId` or `userEmail` and `groupId` or `groupName`.

Returns `Response[Any]`

```
qcs_api_client.api.account.add_group_user.sync_from_dict(*, client: httpx.Client, json_body_dict:
Dict, httpx_request_kwargs: Dict[str,
Any] = {}) →
qcs_api_client.types.Response[Any]
```

```
async qcs_api_client.api.account.add_group_user.asyncio(*, client: httpx.AsyncClient, json_body:
qcs_api_client.models.add_group_user_request.AddGroupUserRequest, httpx_request_kwargs: Dict[str, Any] = {})
→ qcs_api_client.types.Response[Any]
```

Add user to a group

Add a user to a group. Note, group membership may take several minutes to update within our identity provider. After adding a user to a group, please allow up to 60 minutes for changes to be reflected.

Parameters `json_body` ([AddGroupUserRequest](#)) – Must provide either `userId` or `userEmail` and `groupId` or `groupName`.

Returns `Response[Any]`

```
async qcs_api_client.api.account.add_group_user.asyncio_from_dict(*, client: httpx.AsyncClient,
json_body_dict: Dict,
httpx_request_kwargs:
Dict[str, Any] = {}) →
qcs_api_client.types.Response[Any]
```

`qcs_api_client.api.account.get_group_balance`

Module Contents

Functions

<code>sync(...)</code>	Get Group Balance
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Get Group Balance
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.get_group_balance.sync(group_name: str, *, client: httpx.Client,
httpx_request_kwargs: Dict[str, Any] = {}) →
qcs_api_client.types.Response[qcs_api_client.models.account_balance.AccountBalance]
```

Get Group Balance

Retrieve the balance of the requested QCS group account.

Parameters `group_name (str)` –

Returns `Response[AccountBalance]`

```
qcs_api_client.api.account.get_group_balance.sync_from_dict(group_name: str, *, client:
    httpx.Client, httpx_request_kwargs:
    Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.account_balance]
```

```
async qcs_api_client.api.account.get_group_balance.asyncio(group_name: str, *, client:
    httpx.AsyncClient,
    httpx_request_kwargs: Dict[str, Any] =
    {}) →
    qcs_api_client.types.Response[qcs_api_client.models.account_balance]
```

Get Group Balance

Retrieve the balance of the requested QCS group account.

Parameters `group_name (str)` –

Returns `Response[AccountBalance]`

```
async qcs_api_client.api.account.get_group_balance.asyncio_from_dict(group_name: str, *, client:
    httpx.AsyncClient,
    httpx_request_kwargs:
    Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.account_balance]
```

`qcs_api_client.api.account.get_group_billing_customer`

Module Contents

Functions

<code>sync(...)</code>	Retrieve billing customer for a QCS group account.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Retrieve billing customer for a QCS group account.
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.get_group_billing_customer.sync(group_name: str, *, client: httpx.Client,
    httpx_request_kwargs: Dict[str, Any] =
    {}) →
    qcs_api_client.types.Response[qcs_api_client.models.billing_customer]
```

Retrieve billing customer for a QCS group account.

Parameters `group_name (str)` –

Returns `Response[BillingCustomer]`

```
qcs_api_client.api.account.get_group_billing_customer.sync_from_dict(group_name: str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

```
async qcs_api_client.api.account.get_group_billing_customer.asyncio(group_name: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

Retrieve billing customer for a QCS group account.

Parameters `group_name` (*str*) –

Returns `Response[BillingCustomer]`

```
async qcs_api_client.api.account.get_group_billing_customer.asyncio_from_dict(group_name:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any]
                                                                    = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

`qcs_api_client.api.account.get_group_upcoming_billing_invoice`

Module Contents

Functions

<code>sync(...)</code>	Retrieve upcoming invoice for QCS group billing customer.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Retrieve upcoming invoice for QCS group billing customer.
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.get_group_upcoming_billing_invoice.sync(group_name: str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

Retrieve upcoming invoice for QCS group billing customer.

Parameters `group_name` (*str*) –

Returns `Response[BillingUpcomingInvoice]`

```
qcs_api_client.api.account.get_group_upcoming_billing_invoice.sync_from_dict(group_name:
                                                                    str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_

async qcs_api_client.api.account.get_group_upcoming_billing_invoice.asyncio(group_name: str,
                                                                    *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_
```

Retrieve upcoming invoice for QCS group billing customer.

Parameters `group_name` (*str*) –
Returns `Response[BillingUpcomingInvoice]`

```
async qcs_api_client.api.account.get_group_upcoming_billing_invoice.asyncio_from_dict(group_name:
                                                                    str,
                                                                    *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any]
                                                                    =
                                                                    {}) →
                                                                    qcs_api_client.types.R
```

qcs_api_client.api.account.get_user_balance

Module Contents

Functions

<code>sync(...)</code>	Get User Balance
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Get User Balance
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.get_user_balance.sync(user_id: str, *, client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.account_balance
```

Get User Balance
Retrieve the balance of the requested QCS user account.

Parameters `user_id (str)` –

Returns `Response[AccountBalance]`

```
qcs_api_client.api.account.get_user_balance.sync_from_dict(user_id: str, *, client: httpx.Client,  
                                                           httpx_request_kwargs: Dict[str, Any] =  
                                                           {}) →  
                                                           qcs_api_client.types.Response[qcs_api_client.models.account_balance]
```

```
async qcs_api_client.api.account.get_user_balance.asyncio(user_id: str, *, client: httpx.AsyncClient,  
                                                           httpx_request_kwargs: Dict[str, Any] =  
                                                           {}) →  
                                                           qcs_api_client.types.Response[qcs_api_client.models.account_balance]
```

Get User Balance

Retrieve the balance of the requested QCS user account.

Parameters `user_id (str)` –

Returns `Response[AccountBalance]`

```
async qcs_api_client.api.account.get_user_balance.asyncio_from_dict(user_id: str, *, client:  
                                                                      httpx.AsyncClient,  
                                                                      httpx_request_kwargs:  
                                                                      Dict[str, Any] = {}) →  
                                                                      qcs_api_client.types.Response[qcs_api_client.models.account_balance]
```

`qcs_api_client.api.account.get_user_billing_customer`

Module Contents

Functions

<code>sync(...)</code>	Retrieve billing customer for a QCS user account.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Retrieve billing customer for a QCS user account.
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.get_user_billing_customer.sync(user_id: str, *, client: httpx.Client,  
                                                           httpx_request_kwargs: Dict[str, Any] =  
                                                           {}) →  
                                                           qcs_api_client.types.Response[qcs_api_client.models.billing_customer]
```

Retrieve billing customer for a QCS user account.

Parameters `user_id (str)` –

Returns `Response[BillingCustomer]`

```
qcs_api_client.api.account.get_user_billing_customer.sync_from_dict(user_id: str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

```
async qcs_api_client.api.account.get_user_billing_customer.asyncio(user_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

Retrieve billing customer for a QCS user account.

Parameters `user_id` (`str`) –

Returns `Response[BillingCustomer]`

```
async qcs_api_client.api.account.get_user_billing_customer.asyncio_from_dict(user_id: str, *,
                                                                              client:
                                                                              httpx.AsyncClient,
                                                                              httpx_request_kwargs:
                                                                              Dict[str, Any] =
                                                                              {}) →
                                                                              qcs_api_client.types.Response[qcs
```

`qcs_api_client.api.account.get_user_upcoming_billing_invoice`

Module Contents

Functions

<code>sync(...)</code>	Retrieve upcoming invoice for QCS user billing customer.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Retrieve upcoming invoice for QCS user billing customer.
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.get_user_upcoming_billing_invoice.sync(user_id: str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

Retrieve upcoming invoice for QCS user billing customer.

Parameters `user_id` (`str`) –

Returns `Response[BillingUpcomingInvoice]`

```

qcs_api_client.api.account.get_user_upcoming_billing_invoice.sync_from_dict(user_id: str, *,
                                                                           client:
                                                                           httpx.Client,
                                                                           httpx_request_kwargs:
                                                                           Dict[str, Any] =
                                                                           {}) →
                                                                           qcs_api_client.types.Response[qcs_

async qcs_api_client.api.account.get_user_upcoming_billing_invoice.asyncio(user_id: str, *,
                                                                           client:
                                                                           httpx.AsyncClient,
                                                                           httpx_request_kwargs:
                                                                           Dict[str, Any] =
                                                                           {}) →
                                                                           qcs_api_client.types.Response[qcs_a

```

Retrieve upcoming invoice for QCS user billing customer.

Parameters `user_id (str)` –

Returns `Response[BillingUpcomingInvoice]`

```

async qcs_api_client.api.account.get_user_upcoming_billing_invoice.asyncio_from_dict(user_id:
                                                                           str, *,
                                                                           client:
                                                                           httpx.AsyncClient,
                                                                           httpx_request_kwargs:
                                                                           Dict[str,
                                                                           Any]
                                                                           = {})
                                                                           →
                                                                           qcs_api_client.types.Res

```

`qcs_api_client.api.account.list_group_billing_invoice_lines`

Module Contents

Functions

<code>sync(...)</code>	Retrieve billing invoice lines for a QCS group account's invoice.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Retrieve billing invoice lines for a QCS group account's invoice.
<code>asyncio_from_dict(...)</code>	

```

qcs_api_client.api.account.list_group_billing_invoice_lines.sync(group_name: str,
                                                                    billing_invoice_id: str, *,
                                                                    client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mo

```


Retrieve billing invoice lines for a QCS group account's invoice.

Parameters

- **group_name** (*str*) –
- **billing_invoice_id** (*str*) –

Returns Response[ListAccountBillingInvoiceLinesResponse]

```
qcs_api_client.api.account.list_group_billing_invoice_lines.sync_from_dict(group_name: str,
                                                                            billing_invoice_id:
                                                                            str, *, client:
                                                                            httpx.Client,
                                                                            httpx_request_kwargs:
                                                                            Dict[str, Any] =
                                                                            {}) →
                                                                            qcs_api_client.types.Response[qcs_a

async qcs_api_client.api.account.list_group_billing_invoice_lines.asyncio(group_name: str,
                                                                            billing_invoice_id:
                                                                            str, *, client:
                                                                            httpx.AsyncClient,
                                                                            httpx_request_kwargs:
                                                                            Dict[str, Any] = {})
                                                                            →
                                                                            qcs_api_client.types.Response[qcs_ap
```

Retrieve billing invoice lines for a QCS group account's invoice.

Parameters

- **group_name** (*str*) –
- **billing_invoice_id** (*str*) –

Returns Response[ListAccountBillingInvoiceLinesResponse]

```
async qcs_api_client.api.account.list_group_billing_invoice_lines.asyncio_from_dict(group_name:
                                                                            str,
                                                                            billing_invoice_id:
                                                                            str, *,
                                                                            client:
                                                                            httpx.AsyncClient,
                                                                            httpx_request_kwargs:
                                                                            Dict[str,
                                                                            Any] =
                                                                            {}) →
                                                                            qcs_api_client.types.Resp
```

`qcs_api_client.api.account.list_group_billing_invoices`

Module Contents

Functions

<code>sync(...)</code>	Retrieve billing invoices for a QCS group account.
<code>sync_from_dict(...)</code>	

<code>asyncio(...)</code>	Retrieve billing invoices for a QCS group account.
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.account.list_group_billing_invoices.sync(group_name: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.list_group_billing_invoices_response.ListGroupBillingInvoicesResponse]`

Retrieve billing invoices for a QCS group account.

Parameters `group_name` (*str*) –

Returns `Response[ListAccountBillingInvoicesResponse]`

`qcs_api_client.api.account.list_group_billing_invoices.sync_from_dict(group_name: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.list_group_billing_invoices_response.ListGroupBillingInvoicesResponse]`

`async qcs_api_client.api.account.list_group_billing_invoices.asyncio(group_name: str, *, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.list_group_billing_invoices_response.ListGroupBillingInvoicesResponse]`

Retrieve billing invoices for a QCS group account.

Parameters `group_name` (*str*) –

Returns `Response[ListAccountBillingInvoicesResponse]`

`async qcs_api_client.api.account.list_group_billing_invoices.asyncio_from_dict(group_name: str, *, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.list_group_billing_invoices_response.ListGroupBillingInvoicesResponse]`

qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines

Module Contents

Functions

<code>sync(...)</code>	List invoice lines for QCS group billing customer upcoming invoice.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List invoice lines for QCS group billing customer upcoming invoice.
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines.sync`(*group_name*: *str*, *,
client: *httpx.Client*,
httpx_request_kwargs:
Dict[str, Any] = {}) →
qcs_api_client.types.Response[qcs_ap

List invoice lines for QCS group billing customer upcoming invoice.

Parameters *group_name* (*str*) –

Returns *Response[ListAccountBillingInvoiceLinesResponse]*

`qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines.sync_from_dict`(*group_name*:
str, *,
client:
httpx.Client,
httpx_request_kwargs:
Dict[str,
Any] =
{i}) →
qcs_api_client.types.Resp

async `qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines.asyncio`(*group_name*:
str, *,
client:
httpx.AsyncClient,
httpx_request_kwargs:
Dict[str,
Any]
= {i}) →
qcs_api_client.types.Respo

List invoice lines for QCS group billing customer upcoming invoice.

Parameters *group_name* (*str*) –

Returns *Response[ListAccountBillingInvoiceLinesResponse]*

```

async qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines.asyncio_from_dict(group_name:
    str,
    *,
    client:
    httpx.AsyncC
    httpx_request
    Dict[str,
    Any]
    =
    {}) →
    qcs_api_client

```

`qcs_api_client.api.account.list_group_users`

Module Contents

Functions

<code>sync(...)</code>	List users belonging to a group
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List users belonging to a group
<code>asyncio_from_dict(...)</code>	

```

qcs_api_client.api.account.list_group_users.sync(group_name: str, *, client: httpx.Client,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.list_group_users

```

List users belonging to a group

List users belonging to a group. Note, group membership may take several minutes to update within our identity provider. After adding or removing a user to or from a group, please allow up to 60 minutes for changes to be reflected.

Parameters `group_name` (`str`) –

Returns `Response[ListGroupUsersResponse]`

```

qcs_api_client.api.account.list_group_users.sync_from_dict(group_name: str, *, client: httpx.Client,
    httpx_request_kwargs: Dict[str, Any] =
    {}) →
    qcs_api_client.types.Response[qcs_api_client.models.list_g

```

```

async qcs_api_client.api.account.list_group_users.asyncio(group_name: str, *, client:
    httpx.AsyncClient,
    httpx_request_kwargs: Dict[str, Any] =
    {}) →
    qcs_api_client.types.Response[qcs_api_client.models.list_g

```

List users belonging to a group

List users belonging to a group. Note, group membership may take several minutes to update within

our identity provider. After adding or removing a user to or from a group, please allow up to 60 minutes for changes to be reflected.

Parameters `group_name` (*str*) –

Returns `Response[ListGroupUsersResponse]`

```
async qcs_api_client.api.account.list_group_users.asyncio_from_dict(group_name: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.
```

`qcs_api_client.api.account.list_user_billing_invoice_lines`

Module Contents

Functions

<code>sync(...)</code>	Retrieve billing invoice lines for a QCS user account's invoice.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Retrieve billing invoice lines for a QCS user account's invoice.
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.list_user_billing_invoice_lines.sync(user_id: str, billing_invoice_id:
                                                                str, *, client: httpx.Client,
                                                                httpx_request_kwargs: Dict[str,
                                                                Any] = {}) →
                                                                qcs_api_client.types.Response[qcs_api_client.mode
```

Retrieve billing invoice lines for a QCS user account's invoice.

Parameters

- `user_id` (*str*) –
- `billing_invoice_id` (*str*) –

Returns `Response[ListAccountBillingInvoiceLinesResponse]`

```
qcs_api_client.api.account.list_user_billing_invoice_lines.sync_from_dict(user_id: str,
                                                                            billing_invoice_id:
                                                                            str, *, client:
                                                                            httpx.Client,
                                                                            httpx_request_kwargs:
                                                                            Dict[str, Any] = {})
→
qcs_api_client.types.Response[qcs_ap
```

```
async qcs_api_client.api.account.list_user_billing_invoice_lines.asyncio(user_id: str,
                                                                           billing_invoice_id:
                                                                           str, *, client:
                                                                           httpx.AsyncClient,
                                                                           httpx_request_kwargs:
                                                                           Dict[str, Any] = {})
→
qcs_api_client.types.Response[qcs_api_client.models.list_user_billing_invoice_lines_response]
```

Retrieve billing invoice lines for a QCS user account's invoice.

Parameters

- **user_id** (*str*) –
- **billing_invoice_id** (*str*) –

Returns `Response[ListAccountBillingInvoiceLinesResponse]`

```
async qcs_api_client.api.account.list_user_billing_invoice_lines.asyncio_from_dict(user_id:
                                                                                       str,
                                                                                       billing_invoice_id:
                                                                                       str, *,
                                                                                       client:
                                                                                       httpx.AsyncClient,
                                                                                       httpx_request_kwargs:
                                                                                       Dict[str,
                                                                                       Any]
                                                                                       = {}) →
qcs_api_client.types.Response[qcs_api_client.models.list_user_billing_invoice_lines_response]
```

`qcs_api_client.api.account.list_user_billing_invoices`

Module Contents

Functions

<code>sync(...)</code>	Retrieve billing invoices for a QCS user account.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Retrieve billing invoices for a QCS user account.
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.list_user_billing_invoices.sync(user_id: str, *, client: httpx.Client,
                                                            httpx_request_kwargs: Dict[str, Any] =
                                                            {}) →
qcs_api_client.types.Response[qcs_api_client.models.list_user_billing_invoices_response]
```

Retrieve billing invoices for a QCS user account.

Parameters **user_id** (*str*) –

Returns `Response[ListAccountBillingInvoicesResponse]`

```
qcs_api_client.api.account.list_user_billing_invoices.sync_from_dict(user_id: str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.

async qcs_api_client.api.account.list_user_billing_invoices.asyncio(user_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.
```

Retrieve billing invoices for a QCS user account.

Parameters `user_id (str)` –
Returns `Response[ListAccountBillingInvoicesResponse]`

```
async qcs_api_client.api.account.list_user_billing_invoices.asyncio_from_dict(user_id: str, *,
                                                                                client:
                                                                                httpx.AsyncClient,
                                                                                httpx_request_kwargs:
                                                                                Dict[str, Any]
                                                                                = {}) →
                                                                                qcs_api_client.types.Response[qcs_api_client.
```

qcs_api_client.api.account.list_user_groups

Module Contents

Functions

<code>sync(...)</code>	List QCS groups for the requested user
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List QCS groups for the requested user
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.list_user_groups.sync(user_id: str, *, client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.list_groups_resp
```

List QCS groups for the requested user
List QCS groups for the requested user

Parameters `user_id (str)` –
Returns `Response[ListGroupsResponse]`

```
qcs_api_client.api.account.list_user_groups.sync_from_dict(user_id: str, *, client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.list_
```

```
async qcs_api_client.api.account.list_user_groups.asyncio(user_id: str, *, client: httpx.AsyncClient,
                                                         httpx_request_kwargs: Dict[str, Any] =
                                                         {}) →
                                                         qcs_api_client.types.Response[qcs_api_client.models.list_g
```

List QCS groups for the requested user

List QCS groups for the requested user

Parameters `user_id` (*str*) –

Returns `Response[ListGroupsResponse]`

```
async qcs_api_client.api.account.list_user_groups.asyncio_from_dict(user_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.
```

`qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines`

Module Contents

Functions

<code>sync(...)</code>	List invoice lines for QCS user billing customer upcoming invoice.
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List invoice lines for QCS user billing customer upcoming invoice.
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines.sync(user_id: str, *,
                                                                           client: httpx.Client,
                                                                           httpx_request_kwargs:
                                                                           Dict[str, Any] = {})
                                                                           →
                                                                           qcs_api_client.types.Response[qcs_api_
```

List invoice lines for QCS user billing customer upcoming invoice.

Parameters `user_id` (*str*) –

Returns `Response[ListAccountBillingInvoiceLinesResponse]`

```
qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines.sync_from_dict(user_id:
                                                                                    str, *,
                                                                                    client:
                                                                                    httpx.Client,
                                                                                    httpx_request_kwargs:
                                                                                    Dict[str,
                                                                                    Any]
                                                                                    = {}) →
                                                                                    qcs_api_client.types.Respo
```



```

async qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines.asyncio(user_id:
    str, *,
    client:
    httpx.AsyncClient,
    httpx_request_kwargs:
    Dict[str,
    Any] =
    {}) →
    qcs_api_client.types.Response

```

List invoice lines for QCS user billing customer upcoming invoice.

Parameters `user_id` (*str*) –

Returns `Response[ListAccountBillingInvoiceLinesResponse]`

```

async qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines.asyncio_from_dict(user_id:
    str,
    *,
    client:
    httpx.AsyncClient,
    httpx_request_
    Dict[str,
    Any]
    =
    {})
    →
    qcs_api_client.

```

`qcs_api_client.api.account.remove_group_user`

Module Contents

Functions

<code>sync</code> (→ <code>qcs_api_client.types.Response[Any]</code>)	Remove user from a group.
<code>sync_from_dict</code> (→ <code>qcs_api_client.types.Response[Any]</code>)	
<code>asyncio</code> (→ <code>qcs_api_client.types.Response[Any]</code>)	Remove user from a group.
<code>asyncio_from_dict</code> (→ <code>qcs_api_client.types.Response[Any]</code>)	

```

qcs_api_client.api.account.remove_group_user.sync(*, client: httpx.Client, json_body:
    qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[Any]

```

Remove user from a group.

Remove a user from a group. Note, group membership may take several minutes to update within our identity provider. After removing a user from a group, please allow up to 60 minutes for changes to be reflected.

Parameters `json_body` (`RemoveGroupUserRequest`) – Must provide either `userId` or `userEmail` and `groupId` or `groupName`.

Returns `Response[Any]`

```
qcs_api_client.api.account.remove_group_user.sync_from_dict(*, client: httpx.Client, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]
```

```
async qcs_api_client.api.account.remove_group_user.asyncio(*, client: httpx.AsyncClient, json_body: qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]
```

Remove user from a group.

Remove a user from a group. Note, group membership may take several minutes to update within our identity provider. After removing a user from a group, please allow up to 60 minutes for changes to be reflected.

Parameters `json_body` (`RemoveGroupUserRequest`) – Must provide either `userId` or `userEmail` and `groupId` or `groupName`.

Returns `Response[Any]`

```
async qcs_api_client.api.account.remove_group_user.asyncio_from_dict(*, client: httpx.AsyncClient, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]
```

`qcs_api_client.api.authentication`

Submodules

`qcs_api_client.api.authentication.auth_email_password_reset_token`

Module Contents

Functions

<code>sync(→ qcs_api_client.types.Response[Any])</code>	Email Password Reset Token
<code>sync_from_dict(→ qcs_api_client.types.Response[Any])</code>	
<code>asyncio(→ qcs_api_client.types.Response[Any])</code>	Email Password Reset Token
<code>asyncio_from_dict(→ qcs_api_client.types.Response[Any])</code>	

```
qcs_api_client.api.authentication.auth_email_password_reset_token.sync(*, client: httpx.Client,
                                                                    json_body:
                                                                    qcs_api_client.models.auth_email_password_reset_token.AuthEmailPasswordResetTokenRequest,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[Any]
```

Email Password Reset Token

Send a password reset link to the provided email address, if that email matches a registered user.

Parameters `json_body` (`AuthEmailPasswordResetTokenRequest`) –

Returns `Response[Any]`

```
qcs_api_client.api.authentication.auth_email_password_reset_token.sync_from_dict(*, client:
                                                                    httpx.Client,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any] = {})
                                                                    →
                                                                    qcs_api_client.types.Response[Any]
```

```
async qcs_api_client.api.authentication.auth_email_password_reset_token.asyncio(*, client:
                                                                    httpx.AsyncClient,
                                                                    json_body:
                                                                    qcs_api_client.models.auth_email_password_reset_token.AuthEmailPasswordResetTokenRequest,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any] = {})
                                                                    →
                                                                    qcs_api_client.types.Response[Any]
```

Email Password Reset Token

Send a password reset link to the provided email address, if that email matches a registered user.

Parameters `json_body` (`AuthEmailPasswordResetTokenRequest`) –

Returns `Response[Any]`

```
async qcs_api_client.api.authentication.auth_email_password_reset_token.asyncio_from_dict(*,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any]
                                                                    =
                                                                    {})
                                                                    →
                                                                    qcs_api_client.types.Response[Any]
```

`qcs_api_client.api.authentication.auth_get_user`

Module Contents

Functions

<code>sync(...)</code>	Get User
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Get User
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.authentication.auth_get_user.sync(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.user.User]`

Get User

Retrieve the profile of the authenticated user.

Returns Response[User]

`qcs_api_client.api.authentication.auth_get_user.sync_from_dict(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.user.User]`

`async qcs_api_client.api.authentication.auth_get_user.asyncio(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.user.User]`

Get User

Retrieve the profile of the authenticated user.

Returns Response[User]

`async qcs_api_client.api.authentication.auth_get_user.asyncio_from_dict(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.user.User]`

`qcs_api_client.api.authentication.auth_reset_password`

Module Contents

Functions

<code>sync(→ qcs_api_client.types.Response[Any])</code>	Reset Password
<code>sync_from_dict(→ qcs_api_client.types.Response[Any])</code>	

<code>asyncio(→ qcs_api_client.types.Response[Any])</code>	Reset Password
<code>asyncio_from_dict(→ qcs_api_client.types.Response[Any])</code>	

`qcs_api_client.api.authentication.auth_reset_password.sync(*, client: httpx.Client, json_body: qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Reset Password

Reset the password using the user's existing password. Note, this is an authenticated route.

Parameters `json_body` (`AuthResetPasswordRequest`) –

Returns `Response[Any]`

`qcs_api_client.api.authentication.auth_reset_password.sync_from_dict(*, client: httpx.Client, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

`async qcs_api_client.api.authentication.auth_reset_password.asyncio(*, client: httpx.AsyncClient, json_body: qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Reset Password

Reset the password using the user's existing password. Note, this is an authenticated route.

Parameters `json_body` (`AuthResetPasswordRequest`) –

Returns `Response[Any]`

`async qcs_api_client.api.authentication.auth_reset_password.asyncio_from_dict(*, client: httpx.AsyncClient, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

`qcs_api_client.api.authentication.auth_reset_password_with_token`

Module Contents

Functions

<code>sync(→ qcs_api_client.types.Response[Any])</code>	Reset Password With Token
<code>sync_from_dict(→ qcs_api_client.types.Response[Any])</code>	
<code>asyncio(→ qcs_api_client.types.Response[Any])</code>	Reset Password With Token
<code>asyncio_from_dict(→ qcs_api_client.types.Response[Any])</code>	

`qcs_api_client.api.authentication.auth_reset_password_with_token.sync(*, client: httpx.Client, json_body: qcs_api_client.models.auth_reset_password_with_token.AuthResetPasswordWithTokenRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Reset Password With Token

Complete the forgot password flow, resetting the new password in exchange for an emailed token.

Parameters `json_body` (`AuthResetPasswordWithTokenRequest`) – Token may be requested with `AuthEmailPasswordResetToken`.

Returns `Response[Any]`

`qcs_api_client.api.authentication.auth_reset_password_with_token.sync_from_dict(*, client: httpx.Client, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

`async qcs_api_client.api.authentication.auth_reset_password_with_token.asyncio(*, client: httpx.AsyncClient, json_body: qcs_api_client.models.auth_reset_password_with_token.AuthResetPasswordWithTokenRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Reset Password With Token

Complete the forgot password flow, resetting the new password in exchange for an emailed token.

Parameters `json_body` (`AuthResetPasswordWithTokenRequest`) – Token may be requested with `AuthEmailPasswordResetToken`.

Returns `Response[Any]`

```
async qcs_api_client.api.authentication.auth_reset_password_with_token.asyncio_from_dict(*,
                                                                                          client:
                                                                                          httpx.AsyncClient,
                                                                                          json_body_dict:
                                                                                          Dict,
                                                                                          httpx_request_kwargs:
                                                                                          Dict[str,
                                                                                          Any]
                                                                                          =
                                                                                          {})
→
qcs_api_client.type
```

`qcs_api_client.api.client_applications`

Submodules

`qcs_api_client.api.client_applications.check_client_application`

Module Contents

Functions

<code>sync(...)</code>	Check Client Application
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Check Client Application
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.client_applications.check_client_application.sync(*, client: httpx.Client,
                                                                      json_body:
                                                                      qcs_api_client.models.check_client_applicati
                                                                      httpx_request_kwargs:
                                                                      Dict[str, Any] = {}) →
                                                                      qcs_api_client.types.Response[qcs_api_client
```

Check Client Application

Check the requested client application version against the latest and minimum version.

Parameters `json_body` (`CheckClientApplicationRequest`) –

Returns `Response[CheckClientApplicationResponse]`

```
qcs_api_client.api.client_applications.check_client_application.sync_from_dict(*, client:
                                                                    httpx.Client,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.check_client_application_response]

async qcs_api_client.api.client_applications.check_client_application.asyncio(*, client:
                                                                    httpx.AsyncClient,
                                                                    json_body:
                                                                    qcs_api_client.models.check_client_application_request,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any]
                                                                    = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.check_client_application_response]
```

Check Client Application

Check the requested client application version against the latest and minimum version.

Parameters `json_body` (`CheckClientApplicationRequest`) –

Returns `Response[CheckClientApplicationResponse]`

```
async qcs_api_client.api.client_applications.check_client_application.asyncio_from_dict(*,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any]
                                                                    =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.check_client_application_response]
```

`qcs_api_client.api.client_applications.get_client_application`

Module Contents

Functions

<code>sync(...)</code>	Get Client Application
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Get Client Application
<code>asyncio_from_dict(...)</code>	


```
qcs_api_client.api.client_applications.get_client_application.sync(client_application_name:
                                                                    str, *, client: httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

Get Client Application

Get details of a specific Rigetti system component along with its latest and minimum supported versions.

Parameters `client_application_name (str)` –

Returns `Response[ClientApplication]`

```
qcs_api_client.api.client_applications.get_client_application.sync_from_dict(client_application_name:
                                                                    str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_
```

```
async qcs_api_client.api.client_applications.get_client_application.asyncio(client_application_name:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_
```

Get Client Application

Get details of a specific Rigetti system component along with its latest and minimum supported versions.

Parameters `client_application_name (str)` –

Returns `Response[ClientApplication]`

```
async qcs_api_client.api.client_applications.get_client_application.asyncio_from_dict(client_application_name:
                                                                    str,
                                                                    *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any]
                                                                    =
                                                                    {})
                                                                    →
                                                                    qcs_api_client.types.R
```

`qcs_api_client.api.client_applications.list_client_applications`

Module Contents

Functions

<code>sync(...)</code>	List Client Applications
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List Client Applications
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.client_applications.list_client_applications.sync(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.types.ListClientApplicationsResponse]`

List Client Applications

List supported clients of Rigetti system components along with their latest and minimum supported versions.

Returns Response[ListClientApplicationsResponse]

`qcs_api_client.api.client_applications.list_client_applications.sync_from_dict(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.types.ListClientApplicationsResponse]`

`async qcs_api_client.api.client_applications.list_client_applications.asyncio(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.types.ListClientApplicationsResponse]`

List Client Applications

List supported clients of Rigetti system components along with their latest and minimum supported versions.

Returns Response[ListClientApplicationsResponse]

`async qcs_api_client.api.client_applications.list_client_applications.asyncio_from_dict(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.types.ListClientApplicationsResponse]`

`qcs_api_client.api.default`

Submodules

`qcs_api_client.api.default.get_health`

Module Contents

Functions

<code>sync(...)</code>	Retrieve the health status of the API
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Retrieve the health status of the API
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.default.get_health.sync(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.health.Health]`

Retrieve the health status of the API

Returns Response[Health]

`qcs_api_client.api.default.get_health.sync_from_dict(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.health.Health]`

async `qcs_api_client.api.default.get_health.asyncio(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.health.Health]`

Retrieve the health status of the API

Returns Response[Health]

async `qcs_api_client.api.default.get_health.asyncio_from_dict(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.health.Health]`

`qcs_api_client.api.default.health_check`

Module Contents

Functions

<code>sync(→ qcs_api_client.types.Response[Any])</code>	Health Check
<code>sync_from_dict(→ qcs_api_client.types.Response[Any])</code>	
<code>asyncio(→ qcs_api_client.types.Response[Any])</code>	Health Check
<code>asyncio_from_dict(→ qcs_api_client.types.Response[Any])</code>	

`qcs_api_client.api.default.health_check.sync(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Health Check

Endpoint to return a status 200 for load balancer health checks

Returns Response[Any]

`qcs_api_client.api.default.health_check.sync_from_dict(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

async `qcs_api_client.api.default.health_check.asyncio(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Health Check

Endpoint to return a status 200 for load balancer health checks

Returns Response[Any]

async `qcs_api_client.api.default.health_check.asyncio_from_dict(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

`qcs_api_client.api.endpoints`

Submodules

`qcs_api_client.api.endpoints.create_endpoint`

Module Contents

Functions

<code>sync(...)</code>	Create Endpoint
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Create Endpoint
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.endpoints.create_endpoint.sync(*, client: httpx.Client, json_body: qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]`

Create Endpoint

Create an endpoint associated with your user account.

Parameters `json_body` (`CreateEndpointParameters`) – A publicly available set of parameters for defining an endpoint.

Returns `Response[Endpoint]`

`qcs_api_client.api.endpoints.create_endpoint.sync_from_dict(*, client: httpx.Client, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]`

`async qcs_api_client.api.endpoints.create_endpoint.asyncio(*, client: httpx.AsyncClient, json_body: qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]`

Create Endpoint

Create an endpoint associated with your user account.

Parameters `json_body` (`CreateEndpointParameters`) – A publicly available set of parameters for defining an endpoint.

Returns `Response[Endpoint]`

`async qcs_api_client.api.endpoints.create_endpoint.asyncio_from_dict(*, client: httpx.AsyncClient, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]`

`qcs_api_client.api.endpoints.delete_endpoint`

Module Contents

Functions

<code>sync(→ qcs_api_client.types.Response[Any])</code>	Delete Endpoint
<code>sync_from_dict(→ qcs_api_client.types.Response[Any])</code>	
<code>asyncio(→ qcs_api_client.types.Response[Any])</code>	Delete Endpoint
<code>asyncio_from_dict(→ qcs_api_client.types.Response[Any])</code>	

`qcs_api_client.api.endpoints.delete_endpoint.sync(endpoint_id: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Delete Endpoint

Delete an endpoint, releasing its resources. This operation is not reversible.

Parameters `endpoint_id (str)` –

Returns `Response[Any]`

`qcs_api_client.api.endpoints.delete_endpoint.sync_from_dict(endpoint_id: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

async `qcs_api_client.api.endpoints.delete_endpoint.asyncio(endpoint_id: str, *, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Delete Endpoint

Delete an endpoint, releasing its resources. This operation is not reversible.

Parameters `endpoint_id (str)` –

Returns `Response[Any]`

async `qcs_api_client.api.endpoints.delete_endpoint.asyncio_from_dict(endpoint_id: str, *, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

`qcs_api_client.api.endpoints.get_default_endpoint`

Module Contents

Functions

<code>sync(...)</code>	Get Default Endpoint
<code>sync_from_dict(...)</code>	

<code>asyncio(...)</code>	Get Default Endpoint
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.endpoints.get_default_endpoint.sync`(*quantum_processor_id*: str, *, *client*: *httpx.Client*, *httpx_request_kwargs*: Dict[str, Any] = {}) → *qcs_api_client.types.Response[qcs_api_client.models.endpoint]*

Get Default Endpoint

Retrieve the endpoint set as “default” for the given Quantum Processor.

If no endpoint is set as the default, return “not found.”

Parameters `quantum_processor_id` (str) – Public identifier for a quantum processor [example: Aspen-1]

Returns Response[Endpoint]

`qcs_api_client.api.endpoints.get_default_endpoint.sync_from_dict`(*quantum_processor_id*: str, *, *client*: *httpx.Client*, *httpx_request_kwargs*: Dict[str, Any] = {}) → *qcs_api_client.types.Response[qcs_api_client.models.endpoint]*

async `qcs_api_client.api.endpoints.get_default_endpoint.asyncio`(*quantum_processor_id*: str, *, *client*: *httpx.AsyncClient*, *httpx_request_kwargs*: Dict[str, Any] = {}) → *qcs_api_client.types.Response[qcs_api_client.models.endpoint]*

Get Default Endpoint

Retrieve the endpoint set as “default” for the given Quantum Processor.

If no endpoint is set as the default, return “not found.”

Parameters `quantum_processor_id` (str) – Public identifier for a quantum processor [example: Aspen-1]

Returns Response[Endpoint]

async `qcs_api_client.api.endpoints.get_default_endpoint.asyncio_from_dict`(*quantum_processor_id*: str, *, *client*: *httpx.AsyncClient*, *httpx_request_kwargs*: Dict[str, Any] = {}) → *qcs_api_client.types.Response[qcs_api_client.models.endpoint]*

`qcs_api_client.api.endpoints.get_endpoint`

Module Contents

Functions

<code>sync(...)</code>	Get Endpoint
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Get Endpoint
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.endpoints.get_endpoint.sync(endpoint_id: str, *, client: httpx.Client,  
                                              httpx_request_kwargs: Dict[str, Any] = {}) →  
qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

Get Endpoint

Retrieve a specific endpoint by its ID.

Parameters `endpoint_id (str)` –

Returns `Response[Endpoint]`

```
qcs_api_client.api.endpoints.get_endpoint.sync_from_dict(endpoint_id: str, *, client: httpx.Client,  
                                                         httpx_request_kwargs: Dict[str, Any] =  
                                                         {}) →  
qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

```
async qcs_api_client.api.endpoints.get_endpoint.asyncio(endpoint_id: str, *, client:  
                                                         httpx.AsyncClient, httpx_request_kwargs:  
                                                         Dict[str, Any] = {}) →  
qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

Get Endpoint

Retrieve a specific endpoint by its ID.

Parameters `endpoint_id (str)` –

Returns `Response[Endpoint]`

```
async qcs_api_client.api.endpoints.get_endpoint.asyncio_from_dict(endpoint_id: str, *, client:  
                                                                    httpx.AsyncClient,  
                                                                    httpx_request_kwargs:  
                                                                    Dict[str, Any] = {}) →  
qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```


qcs_api_client.api.endpoints.list_endpoints

Module Contents

Functions

<code>sync(...)</code>	List Endpoints
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List Endpoints
<code>asyncio_from_dict(...)</code>	

qcs_api_client.api.endpoints.list_endpoints.**sync**(**client*: httpx.Client, *filter_*: Union[qcs_api_client.types.Unset, None, str] = UNSET, *page_size*: Union[qcs_api_client.types.Unset, None, int] = 10, *page_token*: Union[qcs_api_client.types.Unset, None, str] = UNSET, *httpx_request_kwargs*: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.list_endpoints_re

List Endpoints

List all endpoints, optionally filtering by attribute.

Parameters

- **filter** (Union[Unset, None, str]) – Filtering logic specified using [rule- engine](https://zerosteiner.github.io/rule-engine/syntax.html) grammar
- **page_size** (Union[Unset, None, int]) – Default: 10.
- **page_token** (Union[Unset, None, str]) –

Returns Response[ListEndpointsResponse]

qcs_api_client.api.endpoints.list_endpoints.**sync_from_dict**(**client*: httpx.Client, *filter_*: Union[qcs_api_client.types.Unset, None, str] = UNSET, *page_size*: Union[qcs_api_client.types.Unset, None, int] = 10, *page_token*: Union[qcs_api_client.types.Unset, None, str] = UNSET, *httpx_request_kwargs*: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.list_

```

async qcs_api_client.api.endpoints.list_endpoints.asyncio(*, client: httpx.AsyncClient, filter_:
    Union[qcs_api_client.types.Unset, None,
    str] = UNSET, page_size:
    Union[qcs_api_client.types.Unset, None,
    int] = 10, page_token:
    Union[qcs_api_client.types.Unset, None,
    str] = UNSET, httpx_request_kwargs:
    Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.list_e

```

List Endpoints

List all endpoints, optionally filtering by attribute.

Parameters

- **filter** (*Union[Unset, None, str]*) – Filtering logic specified using [rule- engine](<https://zerosteiner.github.io/rule-engine/syntax.html>) grammar
- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns *Response[ListEndpointsResponse]*

```

async qcs_api_client.api.endpoints.list_endpoints.asyncio_from_dict(*, client: httpx.AsyncClient,
    filter_:
    Union[qcs_api_client.types.Unset,
    None, str] = UNSET,
    page_size:
    Union[qcs_api_client.types.Unset,
    None, int] = 10,
    page_token:
    Union[qcs_api_client.types.Unset,
    None, str] = UNSET,
    httpx_request_kwargs:
    Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.

```

qcs_api_client.api.endpoints.restart_endpoint

Module Contents

Functions

<i>sync</i> (→ <i>qcs_api_client.types.Response[Any]</i>)	Restart Endpoint
<i>sync_from_dict</i> (→ <i>qcs_api_client.types.Response[Any]</i>)	
<i>asyncio</i> (→ <i>qcs_api_client.types.Response[Any]</i>)	Restart Endpoint
<i>asyncio_from_dict</i> (→ <i>qcs_api_client.types.Response[Any]</i>)	

```
qcs_api_client.api.endpoints.restart_endpoint.sync(endpoint_id: str, *, client: httpx.Client, json_body:
    qcs_api_client.models.restart_endpoint_request.RestartEndpointReq
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[Any]
```

Restart Endpoint

Restart an entire endpoint or a single component within an endpoint.

Parameters

- **endpoint_id** (*str*) –
- **json_body** (*RestartEndpointRequest*) –

Returns *Response*[*Any*]

```
qcs_api_client.api.endpoints.restart_endpoint.sync_from_dict(endpoint_id: str, *, client:
    httpx.Client, json_body_dict: Dict,
    httpx_request_kwargs: Dict[str, Any]
    = {}) →
    qcs_api_client.types.Response[Any]
```

```
async qcs_api_client.api.endpoints.restart_endpoint.asyncio(endpoint_id: str, *, client:
    httpx.AsyncClient, json_body:
    qcs_api_client.models.restart_endpoint_request.RestartE
    httpx_request_kwargs: Dict[str, Any]
    = {}) →
    qcs_api_client.types.Response[Any]
```

Restart Endpoint

Restart an entire endpoint or a single component within an endpoint.

Parameters

- **endpoint_id** (*str*) –
- **json_body** (*RestartEndpointRequest*) –

Returns *Response*[*Any*]

```
async qcs_api_client.api.endpoints.restart_endpoint.asyncio_from_dict(endpoint_id: str, *,
    client: httpx.AsyncClient,
    json_body_dict: Dict,
    httpx_request_kwargs:
    Dict[str, Any] = {}) →
    qcs_api_client.types.Response[Any]
```

`qcs_api_client.api.engagements`

Submodules

`qcs_api_client.api.engagements.create_engagement`

Module Contents

Functions

<code>sync(...)</code>	Create Engagement
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Create Engagement
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.engagements.create_engagement.sync(*, client: httpx.Client, json_body: qcs_api_client.models.create_engagement_request.CreateEngagementRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.engagement_response.CreateEngagementResponse]`

Create Engagement

Create a new engagement using the specified parameters.

At least one of the following parameters must be supplied: - **endpointId**: The ID of the endpoint on which to engage. - **quantumProcessorId**: The ID of the quantum processor on which to engage, allowing the service to select a default endpoint. Ignored if **endpointId** is set.

Parameters `json_body` (`CreateEngagementRequest`) –

Returns `Response[EngagementWithCredentials]`

`qcs_api_client.api.engagements.create_engagement.sync_from_dict(*, client: httpx.Client, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.engagement_response.CreateEngagementResponse]`

async `qcs_api_client.api.engagements.create_engagement.asyncio(*, client: httpx.AsyncClient, json_body: qcs_api_client.models.create_engagement_request.CreateEngagementRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.engagement_response.CreateEngagementResponse]`

Create Engagement

Create a new engagement using the specified parameters.

At least one of the following parameters must be supplied: - **endpointId**: The ID of the endpoint on which to engage. - **quantumProcessorId**: The ID of the quantum processor on which to engage, allowing the service to select a default endpoint. Ignored if **endpointId** is set.

Parameters `json_body` (`CreateEngagementRequest`) –

Returns `Response[EngagementWithCredentials]`

```
async qcs_api_client.api.engagements.create_engagement.asyncio_from_dict(*, client:
                                                                    httpx.AsyncClient,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {})
→
qcs_api_client.types.Response[qcs_api_
```

`qcs_api_client.api.quantum_processors`

Submodules

`qcs_api_client.api.quantum_processors.get_instruction_set_architecture`

Module Contents

Functions

<code>sync(...)</code>	Get Instruction Set Architecture
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Get Instruction Set Architecture
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.quantum_processors.get_instruction_set_architecture.sync(quantum_processor_id:
                                                                    str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
qcs_api_client.types.Response[qcs_
```

Get Instruction Set Architecture

Retrieve the Instruction Set Architecture of a QuantumProcessor by ID.

Parameters `quantum_processor_id` (`str`) –

Returns `Response[InstructionSetArchitecture]`

```
qcs_api_client.api.quantum_processors.get_instruction_set_architecture.sync_from_dict(quantum_processor_id: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any]) = {}
→ qcs_api_client.types.Response
```

```
async qcs_api_client.api.quantum_processors.get_instruction_set_architecture.asyncio(quantum_processor_id: str, *, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any]) = {}
→ qcs_api_client.types.Response
```

Get Instruction Set Architecture

Retrieve the Instruction Set Architecture of a QuantumProcessor by ID.

Parameters `quantum_processor_id (str)` –

Returns `Response[InstructionSetArchitecture]`

```
async qcs_api_client.api.quantum_processors.get_instruction_set_architecture.asyncio_from_dict(quantum_processor_id: str, *, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any]) = {}
→ qcs_api_client.types.Response
```

`qcs_api_client.api.quantum_processors.get_quantum_processor`

Module Contents

Functions

<code>sync(...)</code>	Get Quantum Processor
<code>sync_from_dict(...)</code>	

<code>asyncio(...)</code>	Get Quantum Processor
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.quantum_processors.get_quantum_processor.sync(quantum_processor_id: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.mo`

Get Quantum Processor

Retrieve a single QuantumProcessor by ID.

Parameters `quantum_processor_id` (`str`) – Public identifier for a quantum processor [example: Aspen-1]

Returns `Response[QuantumProcessor]`

`qcs_api_client.api.quantum_processors.get_quantum_processor.sync_from_dict(quantum_processor_id: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_a`

async `qcs_api_client.api.quantum_processors.get_quantum_processor.asyncio(quantum_processor_id: str, *, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_ap`

Get Quantum Processor

Retrieve a single QuantumProcessor by ID.

Parameters `quantum_processor_id` (`str`) – Public identifier for a quantum processor [example: Aspen-1]

Returns `Response[QuantumProcessor]`

```

async qcs_api_client.api.quantum_processors.get_quantum_processor.asyncio_from_dict(quantum_processor_id:
                                                                    str, *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Resp

```

`qcs_api_client.api.quantum_processors.list_quantum_processor_accessors`

Module Contents

Functions

<code>sync(...)</code>	List Quantum Processor Accessors
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List Quantum Processor Accessors
<code>asyncio_from_dict(...)</code>	

```

qcs_api_client.api.quantum_processors.list_quantum_processor_accessors.sync(quantum_processor_id:
                                                                    str, *, client:
                                                                    httpx.Client,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, int] = 10,
                                                                    page_token:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] =
                                                                    UNSET,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_

```

List Quantum Processor Accessors

List all means of accessing a QuantumProcessor available to the user.

Parameters

- **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]
- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns `Response[ListQuantumProcessorAccessorsResponse]`


```
qcs_api_client.api.quantum_processors.list_quantum_processor_accessors.sync_from_dict(quantum_processor_id:
    str,
    *,
    client:
        httpx.Client,
    page_size:
        Union[qcs_api_client.types.PAGE_SIZE,
        None,
        int]
    =
    10,
    page_token:
        Union[qcs_api_client.types.PAGE_TOKEN,
        None,
        str]
    =
    UN-
    SET,
    httpx_request_kwargs:
        Dict[str,
        Any]
    =
    {})
    →
    qcs_api_client.types.Resource
```

```
async qcs_api_client.api.quantum_processors.list_quantum_processor_accessors.asyncio(quantum_processor_id:
    str, *,
    client:
        httpx.AsyncClient,
    page_size:
        Union[qcs_api_client.types.PAGE_SIZE,
        None,
        int]
    = 10,
    page_token:
        Union[qcs_api_client.types.PAGE_TOKEN,
        None,
        str] =
        UN-
        SET,
    httpx_request_kwargs:
        Dict[str,
        Any]
    = {})
    →
    qcs_api_client.types.Resource
```

List Quantum Processor Accessors

List all means of accessing a QuantumProcessor available to the user.

Parameters

- **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]

- `page_size` (`Union[Unset, None, int]`) – Default: 10.
- `page_token` (`Union[Unset, None, str]`) –

Returns `Response[ListQuantumProcessorAccessorsResponse]`

`async qcs_api_client.api.quantum_processors.list_quantum_processor_accessors.asyncio_from_dict(quantum_p`
 `str,`
 `*,`
 `client:`
 `httpx.AsyncClient,`
 `page_size:`
 `Union[qcs,`
 `None,`
 `int]`
 `=`
 `10,`
 `page_token:`
 `Union[qcs,`
 `None,`
 `str]`
 `=`
 `UN-`
 `SET,`
 `httpx_request_headers:`
 `Dict[str,`
 `Any]`
 `=`
 `{}`
 `→`
 `qcs_api_client`

`qcs_api_client.api.quantum_processors.list_quantum_processors`

Module Contents

Functions

<code>sync(...)</code>	List Quantum Processors
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List Quantum Processors
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.quantum_processors.list_quantum_processors.sync(*, client: httpx.Client,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, int] = 10, page_token:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] = UNSET,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

List Quantum Processors

List all QuantumProcessors available to the user.

Parameters

- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns *Response[ListQuantumProcessorsResponse]*

```
qcs_api_client.api.quantum_processors.list_quantum_processors.sync_from_dict(*, client:
                                                                    httpx.Client,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, int] = 10,
                                                                    page_token:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] =
                                                                    UNSET,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_
```

```
async qcs_api_client.api.quantum_processors.list_quantum_processors.asyncio(*, client:
                                                                    httpx.AsyncClient,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, int] = 10,
                                                                    page_token:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] =
                                                                    UNSET,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_
```

List Quantum Processors

List all QuantumProcessors available to the user.

Parameters

- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns Response[ListQuantumProcessorsResponse]

```
async qcs_api_client.api.quantum_processors.list_quantum_processors.asyncio_from_dict(*,
                                                                                      client:
                                                                                      httpx.AsyncClient,
                                                                                      page_size:
                                                                                      Union[qcs_api_client.
                                                                                      None,
                                                                                      int]
                                                                                      =
                                                                                      10,
                                                                                      page_token:
                                                                                      Union[qcs_api_client.
                                                                                      None,
                                                                                      str]
                                                                                      =
                                                                                      UN-
                                                                                      SET,
                                                                                      httpx_request_kwargs:
                                                                                      Dict[str,
                                                                                      Any]
                                                                                      =
                                                                                      {})
→
qcs_api_client.types.R
```

qcs_api_client.api.reservations

Submodules

qcs_api_client.api.reservations.create_reservation

Module Contents

Functions

sync(...)	Create Reservation
sync_from_dict(...)	
asyncio(...)	Create Reservation
asyncio_from_dict(...)	

```
qcs_api_client.api.reservations.create_reservation.sync(*, client: httpx.Client, json_body:
qcs_api_client.models.create_reservation_request.CreateReser
httpx_request_kwargs: Dict[str, Any] = {})
→
qcs_api_client.types.Response[qcs_api_client.models.reservat
```

Create Reservation

Create a new reservation.

The following precedence applies when specifying the reservation subject account ID and type: * request body *accountId* field, or if unset then *X-QCS-ACCOUNT-ID* header, or if unset then requesting user’s ID. * request body *accountType* field, or if unset then *X-QCS-ACCOUNT-TYPE* header, or if unset then “user” type.

Parameters `json_body` ([CreateReservationRequest](#)) –

Returns `Response[Reservation]`

```
qcs_api_client.api.reservations.create_reservation.sync_from_dict(*, client: httpx.Client,
                                                                    json_body_dict: Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mo

async qcs_api_client.api.reservations.create_reservation.asyncio(*, client: httpx.AsyncClient,
                                                                    json_body:
                                                                    qcs_api_client.models.create_reservation_request.
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mo
```

Create Reservation

Create a new reservation.

The following precedence applies when specifying the reservation subject account ID and type: * request body *accountId* field, or if unset then *X-QCS-ACCOUNT-ID* header, or if unset then requesting user’s ID. * request body *accountType* field, or if unset then *X-QCS-ACCOUNT-TYPE* header, or if unset then “user” type.

Parameters `json_body` ([CreateReservationRequest](#)) –

Returns `Response[Reservation]`

```
async qcs_api_client.api.reservations.create_reservation.asyncio_from_dict(*, client:
                                                                    httpx.AsyncClient,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_a
```

`qcs_api_client.api.reservations.delete_reservation`

Module Contents

Functions

<code>sync(...)</code>	Delete Reservation
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Delete Reservation
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.reservations.delete_reservation.sync(reservation_id: int, *, client: httpx.Client,
                                                         httpx_request_kwargs: Dict[str, Any] = {})
→
qcs_api_client.types.Response[qcs_api_client.models.reservation]
```

Delete Reservation

Cancel an existing reservation for the user.

Parameters `reservation_id (int)` –

Returns `Response[Reservation]`

```
qcs_api_client.api.reservations.delete_reservation.sync_from_dict(reservation_id: int, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mo
```

```
async qcs_api_client.api.reservations.delete_reservation.asyncio(reservation_id: int, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mo
```

Delete Reservation

Cancel an existing reservation for the user.

Parameters `reservation_id (int)` –

Returns `Response[Reservation]`

```
async qcs_api_client.api.reservations.delete_reservation.asyncio_from_dict(reservation_id:
                                                                              int, *, client:
                                                                              httpx.AsyncClient,
                                                                              httpx_request_kwargs:
                                                                              Dict[str, Any] =
                                                                              {}) →
                                                                              qcs_api_client.types.Response[qcs_a
```

`qcs_api_client.api.reservations.find_available_reservations`

Module Contents

Functions

<code>sync(...)</code>	Find Available Reservations
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Find Available Reservations
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.reservations.find_available_reservations.sync(*, client: httpx.Client,
                                                                quantum_processor_id: str,
                                                                start_time_from:
                                                                datetime.datetime, duration:
                                                                str, httpx_request_kwargs:
                                                                Dict[str, Any] = {}) →
                                                                qcs_api_client.types.Response[qcs_api_client.mo
```

Find Available Reservations

List currently available reservations on the requested Rigetti quantum computer.

Parameters

- **quantum_processor_id**(str) –
- **start_time_from**(datetime.datetime) –
- **duration**(str) – Formatted as specified for golang <https://golang.org/pkg/time/#ParseDuration>.

Returns Response[FindAvailableReservationsResponse]

```
qcs_api_client.api.reservations.find_available_reservations.sync_from_dict(*, client:
                                                                httpx.Client, quan-
                                                                tum_processor_id:
                                                                str,
                                                                start_time_from:
                                                                datetime.datetime,
                                                                duration: str,
                                                                httpx_request_kwargs:
                                                                Dict[str, Any] =
                                                                {}) →
                                                                qcs_api_client.types.Response[qcs_a
```

```
async qcs_api_client.api.reservations.find_available_reservations.asyncio(*, client:
                                                                httpx.AsyncClient,
                                                                quan-
                                                                tum_processor_id:
                                                                str,
                                                                start_time_from:
                                                                datetime.datetime,
                                                                duration: str,
                                                                httpx_request_kwargs:
                                                                Dict[str, Any] = {})
                                                                →
                                                                qcs_api_client.types.Response[qcs_ap
```

Find Available Reservations

List currently available reservations on the requested Rigetti quantum computer.

Parameters

- **quantum_processor_id**(str) –
- **start_time_from**(datetime.datetime) –
- **duration**(str) – Formatted as specified for golang <https://golang.org/pkg/time/#ParseDuration>.

Returns Response[FindAvailableReservationsResponse]

```
async qcs_api_client.api.reservations.find_available_reservations.asyncio_from_dict(*,
                                                                                      client:
                                                                                      httpx.AsyncClient,
                                                                                      quan-
                                                                                      tum_processor_id:
                                                                                      str,
                                                                                      start_time_from:
                                                                                      date-
                                                                                      time.datetime,
                                                                                      dura-
                                                                                      tion:
                                                                                      str,
                                                                                      httpx_request_kwargs:
                                                                                      Dict[str,
                                                                                      Any] =
                                                                                      {}) →
                                                                                      qcs_api_client.types.Resp
```

qcs_api_client.api.reservations.list_group_reservations

Module Contents

Functions

<code>sync(...)</code>	List Group Reservations
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List Group Reservations
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.reservations.list_group_reservations.sync(group_name: str, *, client:
                                                                 httpx.Client, httpx_request_kwargs:
                                                                 Dict[str, Any] = {}) →
                                                                 qcs_api_client.types.Response[qcs_api_client.models.li
```

List Group Reservations

List existing reservations for the requested group.

Available filter fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer
- *quantumProcessorId* - string

Available order fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer

Parameters *group_name* (*str*) –

Returns Response[ListReservationsResponse]

```
qcs_api_client.api.reservations.list_group_reservations.sync_from_dict(group_name: str, *,
                                                                    client: httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client
```

```
async qcs_api_client.api.reservations.list_group_reservations.asyncio(group_name: str, *,
                                                                    client: httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client
```

List Group Reservations

List existing reservations for the requested group.

Available filter fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer
- *quantumProcessorId* - string

Available order fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer

Parameters *group_name* (*str*) –

Returns Response[ListReservationsResponse]

```
async qcs_api_client.api.reservations.list_group_reservations.asyncio_from_dict(group_name:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any] = {})
                                                                    →
                                                                    qcs_api_client.types.Response
```

`qcs_api_client.api.reservations.list_reservations`

Module Contents

Functions

<code>sync(...)</code>	List Reservations
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	List Reservations
<code>asyncio_from_dict(...)</code>	

`qcs_api_client.api.reservations.list_reservations.sync(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.list_reser`

List Reservations

List existing reservations for the authenticated user,
or a target user when specifying *X-QCS-ACCOUNT-ID* and *X-QCS-ACCOUNT-TYPE* headers.

Available filter fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer
- *cancelled* - boolean (deprecated, use *showDeleted* parameter)
- *quantumProcessorId* - string

Available order fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer

Returns Response[ListReservationsResponse]

`qcs_api_client.api.reservations.list_reservations.sync_from_dict(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.mo`

async `qcs_api_client.api.reservations.list_reservations.asyncio(*, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.mode`

List Reservations

List existing reservations for the authenticated user,
or a target user when specifying *X-QCS-ACCOUNT-ID* and *X-QCS-ACCOUNT-TYPE* headers.

Available filter fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer
- *cancelled* - boolean (deprecated, use *showDeleted* parameter)
- *quantumProcessorId* - string

Available order fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer

Returns Response[ListReservationsResponse]

```
async qcs_api_client.api.reservations.list_reservations.asyncio_from_dict(*, client:
    httpx.AsyncClient,
    httpx_request_kwargs:
    Dict[str, Any] = {})
    →
    qcs_api_client.types.Response[qcs_ap
```

`qcs_api_client.api.translation`

Submodules

`qcs_api_client.api.translation.get_quilt_calibrations`

Module Contents

Functions

<code>sync(...)</code>	Get Quilt Calibrations
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Get Quilt Calibrations
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.translation.get_quilt_calibrations.sync(quantum_processor_id: str, *, client:
                                                         httpx.Client, httpx_request_kwargs:
                                                         Dict[str, Any] = {}) →
                                                         qcs_api_client.types.Response[qcs_api_client.models.get_
```

Get Quilt Calibrations

Retrieve the calibration data used for client-side Quilt generation.

Parameters `quantum_processor_id` (`str`) – Public identifier for a quantum processor [example: Aspen-1]

Returns `Response[GetQuiltCalibrationsResponse]`

```
qcs_api_client.api.translation.get_quilt_calibrations.sync_from_dict(quantum_processor_id:
                                                                    str, *, client: httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client
```

```
async qcs_api_client.api.translation.get_quilt_calibrations.asyncio(quantum_processor_id: str,
                                                                    *, client: httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.
```

Get Quilt Calibrations

Retrieve the calibration data used for client-side Quilt generation.

Parameters `quantum_processor_id` (`str`) – Public identifier for a quantum processor [example: Aspen-1]

Returns `Response[GetQuiltCalibrationsResponse]`

```
async qcs_api_client.api.translation.get_quilt_calibrations.asyncio_from_dict(quantum_processor_id:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any]
                                                                    = {}) →
                                                                    qcs_api_client.types.Response[qc
```

`qcs_api_client.api.translation.translate_native_quil_to_encrypted_binary`

Module Contents

Functions

<code>sync(...)</code>	Translate Native Quil To Encrypted Binary
<code>sync_from_dict(...)</code>	
<code>asyncio(...)</code>	Translate Native Quil To Encrypted Binary
<code>asyncio_from_dict(...)</code>	

```
qcs_api_client.api.translation.translate_native_quil_to_encrypted_binary.sync(quantum_processor_id:
    str, *, client:
    httpx.Client,
    json_body:
    qcs_api_client.models.translate_native_quil_to_encrypted_binary.TranslateNativeQuilToEncryptedBinaryRequest,
    httpx_request_kwargs:
    Dict[str, Any]
    = {}) →
    qcs_api_client.types.Response[TranslateNativeQuilToEncryptedBinaryResponse]
```

Translate Native Quil To Encrypted Binary

Compile Rigetti-native Quil code to encrypted binary form, ready for execution on a Rigetti Quantum Processor.

Parameters

- **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]
- **json_body** (*TranslateNativeQuilToEncryptedBinaryRequest*) –

Returns *Response[TranslateNativeQuilToEncryptedBinaryResponse]*

```
qcs_api_client.api.translation.translate_native_quil_to_encrypted_binary.sync_from_dict(quantum_processor_id:
    str,
    *,
    client:
    httpx.Client,
    json_body_dict:
    Dict[str, Any]
    = {}) →
    qcs_api_client.types.Response[TranslateNativeQuilToEncryptedBinaryResponse]
```

```
async qcs_api_client.api.translation.translate_native_quil_to_encrypted_binary.asyncio(quantum_processor_id:
    str,
    *,
    client:
    httpx.AsyncClient,
    json_body:
    qcs_api_client.models.translate_native_quil_to_encrypted_binary.TranslateNativeQuilToEncryptedBinaryRequest,
    httpx_request_kwargs:
    Dict[str, Any]
    = {}) →
    qcs_api_client.types.Response[TranslateNativeQuilToEncryptedBinaryResponse]
```

Translate Native Quil To Encrypted Binary

Compile Rigetti-native Quil code to encrypted binary form, ready for execution on a Rigetti Quantum Processor.

Parameters

- **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]
- **json_body** (*TranslateNativeQuilToEncryptedBinaryRequest*) –

Returns *Response[TranslateNativeQuilToEncryptedBinaryResponse]*

`async qcs_api_client.api.translation.translate_native_quil_to_encrypted_binary.asyncio_from_dict(quantum_processor_id: str, *, client: httpx.AsyncClient, json_body: Dict[str, Any]) -> Response[TranslateNativeQuilToEncryptedBinaryResponse]`

`qcs_api_client.client`

Submodules

`qcs_api_client.client.auth`

Module Contents

Classes

<code>QCSAuthConfiguration</code>	This configures how QCSAuth implements its access token refresh mechanism.
<code>QCSAuth</code>	Implements <code>httpx.Auth</code> <code>sync_auth_flow</code> and <code>async_auth_flow</code> .

`class qcs_api_client.client.auth.QCSAuthConfiguration`

Bases: `pydantic.BaseModel`

This configures how QCSAuth implements its access token refresh mechanism.

pre :bool = False

Pre-emptively refresh access tokens.

When set to True, this will check the access token’s expiration and refresh when necessary before setting the access token in the outgoing Authorization header.

post :bool = True

Refresh access tokens based on response status code.

When set to True, this will check responses for the status codes configured in `post_refresh_statuses`. On match, QCSAuth will refresh the access token and retry the request.

post_refresh_statuses :Set[int]

Response status codes which indicates a possible expired token payload.

This contains a set of HTTP status codes which QCSAuth will check on responses when `post` is set to True.

exception `qcs_api_client.client.auth.QCSAuthRefreshError(response: httpx.Response)`

Bases: `Exception`

Common base class for all non-exit exceptions.

Initialize self. See `help(type(self))` for accurate signature.

class `qcs_api_client.client.auth.QCSAuth(client_configuration: qcs_api_client.client._configuration.QCSClientConfiguration, auth_configuration: QCSAuthConfiguration = None)`

Bases: `httpx.Auth`

Implements `httpx.Auth.sync_auth_flow` and `async_auth_flow`.

If the `QCSClientConfiguration` that initializes this class has a valid `TokenPayload` on `QCSClientConfiguration.credentials`, it will set the a refreshed access token as a Bearer token on the Authorization header of outgoing requests.

Access tokens are refreshed via OAuth2 refresh mechanism as indicated by `QCSAuthConfiguration`.

sync_refresh_token()

sync_auth_flow(request)

async async_refresh_token()

async async_auth_flow(request)

`qcs_api_client.client.client`

Module Contents

Functions

<code>build_sync_client(→ httpx.Client)</code>	Yield a client object suitable for use with the <code>qcs_api_client.sync</code> API functions.
<code>build_async_client(→ httpx.AsyncClient)</code>	Yield a client object suitable for use with the <code>qcs_api_client.asyncio</code> API functions.

qcs_api_client.client.client.build_sync_client(*, configuration: Optional[qcs_api_client.client._configuration.QCSClientConfiguration] = None, client_kwargs: Optional[dict] = None) → httpx.Client

Yield a client object suitable for use with the `qcs_api_client.sync` API functions.

```

async qcs_api_client.client.client.build_async_client(*, configuration: Optional[qcs_api_client.client._configuration.QCSClientConfiguration] = None, client_kwargs: Optional[dict] = None) → httpx.AsyncClient

```

Yield a client object suitable for use with the `qcs_api_client.asyncio` API functions.

Package Contents

Classes

<code>QCSAuth</code>	Implements <code>httpx.Auth</code> <code>sync_auth_flow</code> and <code>async_auth_flow</code> .
<code>QCSAuthConfiguration</code>	This configures how <code>QCSAuth</code> implements its access token refresh mechanism.
<code>QCSClientConfiguration</code>	A user's settings and secrets along with a specified profile name.
<code>QCSClientConfigurationSecrets</code>	The user's full set of QCS secrets.
<code>QCSClientConfigurationSecretsCredentials</code>	A set of credentials containing a <code>TokenPayload</code> .
<code>TokenPayload</code>	<code>TokenPayload</code> represents a response from the OAuth2 POST <code>/token</code> endpoint.
<code>QCSAccountType</code>	Generic enumeration.
<code>QCSAuthServer</code>	Specifies an OAuth2 authorization server against which to refresh tokens.
<code>QCSClientConfigurationSettings</code>	A fully parsed settings configuration file.
<code>QCSClientConfigurationSettingsProfile</code>	Specifies the authorization server, credentials, and API URL.
<code>QCSClientConfigurationSettingsApplications</code>	Section of a profile specifying per-application settings.
<code>QCSClientConfigurationSettingsApplicationsCLI</code>	

Functions

<code>build_sync_client</code> (→ <code>httpx.Client</code>)	Yield a client object suitable for use with the <code>qcs_api_client.sync</code> API functions.
<code>build_async_client</code> (→ <code>httpx.AsyncClient</code>)	Yield a client object suitable for use with the <code>qcs_api_client.asyncio</code> API functions.

```

class qcs_api_client.client.QCSAuth(client_configuration: qcs_api_client.client._configuration.QCSClientConfiguration, auth_configuration: QCSAuthConfiguration = None)

```

Bases: `httpx.Auth`

Implements `httpx.Auth` `sync_auth_flow` and `async_auth_flow`.

If the `QCSClientConfiguration` that initializes this class has a valid `TokenPayload` on `QCSClientConfiguration.credentials`, it will set the a refreshed access token as a Bearer token on the Authorization header of outgoing requests.

Access tokens are refreshed via OAuth2 refresh mechanism as indicated by `QCSAuthConfiguration`.

sync_refresh_token()

sync_auth_flow(request)

async async_refresh_token()

async async_auth_flow(request)

class qcs_api_client.client.QCSAuthConfiguration

Bases: pydantic.BaseModel

This configures how QCSAuth implements its access token refresh mechanism.

pre :bool = False

Pre-emptively refresh access tokens.

When set to True, this will check the access token's expiration and refresh when necessary before setting the access token in the outgoing Authorization header.

post :bool = True

Refresh access tokens based on response status code.

When set to True, this will check responses for the status codes configured in **post_refresh_statuses**. On match, QCSAuth will refresh the access token and retry the request.

post_refresh_statuses :Set[int]

Response status codes which indicates a possible expired token payload.

This contains a set of HTTP status codes which QCSAuth will check on responses when **post** is set to True.

exception qcs_api_client.client.QCSAuthRefreshError(response: httpx.Response)

Bases: Exception

Common base class for all non-exit exceptions.

Initialize self. See help(type(self)) for accurate signature.

qcs_api_client.client.build_sync_client(*, configuration: Optional[qcs_api_client.client._configuration.QCSClientConfiguration] = None, client_kwargs: Optional[dict] = None) → httpx.Client

Yield a client object suitable for use with the qcs_api_client.sync API functions.

async qcs_api_client.client.build_async_client(*, configuration: Optional[qcs_api_client.client._configuration.QCSClientConfiguration] = None, client_kwargs: Optional[dict] = None) → httpx.AsyncClient

Yield a client object suitable for use with the qcs_api_client.asyncio API functions.

class qcs_api_client.client.QCSClientConfiguration

Bases: pydantic.main.BaseModel

A user's settings and secrets along with a specified profile name.

This class contains a full representation of user specified QCSClientConfigurationSecrets and QCSClientConfigurationSettings, as well as a **profile_name** which indicates which QCSClientConfigurationSettingsProfile to access within QCSClientConfigurationSettings.profiles.

Typically, clients will simply call QCSClientConfiguration.load, to initialize this class from the specified secrets and settings paths.

profile_name :str

secrets :qcs_api_client.client._configuration.secrets.QCSClientConfigurationSecrets

settings

:qcs_api_client.client._configuration.settings.QCSClientConfigurationSettings

property auth_server → qcs_api_client.client._configuration.settings.QCSAuthServer

Returns the configured authorization server.

self.profile.auth_server_name serves as key to QCSClientConfigurationSettings.auth_servers.

Returns The specified QCSAuthServer.

Raises *QCSClientConfigurationError* – If QCSClientConfigurationSettings.auth_servers does not have a value for the authorization server name.

property credentials →

qcs_api_client.client._configuration.secrets.QCSClientConfigurationSecretsCredentials

Returns the configured QCSClientConfigurationSecretsCredentials

self.profile.credentials_name serves as key to QCSClientConfigurationSecrets.credentials.

Returns The specified QCSClientConfigurationSecretsCredentials.

Raises *QCSClientConfigurationError* – If QCSClientConfigurationSettings.credentials does not have a value for the specified credentials name.

property profile → qcs_api_client.client._configuration.settings.QCSClientConfigurationSettingsProfile

Returns the configured QCSClientConfigurationSettingsProfile.

self.profile_name serves as key to QCSClientConfigurationSettingsProfile.profiles.

Returns The specified QCSClientConfigurationSettingsProfile.

Raises *QCSClientConfigurationError* – If QCSClientConfigurationSettings.profiles does not have a value for the specified profile name.

classmethod load(profile_name: Optional[str] = None, settings_file_path: Optional[os.PathLike] = None, secrets_file_path: Optional[os.PathLike] = None) → *QCSClientConfiguration*

Loads a fully specified QCSClientConfiguration from file.

It evaluates attribute values according to the following precedence: argument value > environment variable > default value.

Parameters

- **profile_name** – [env: QCS_PROFILE_NAME] The name of the profile referenced in the fully parsed QCSClientConfigurationSettings.profiles. If the profile name does not exist on QCSClientConfigurationSettings, QCSClientConfiguration.profile will raise an error. The default value is “default”, which may be overridden by QCSClientConfigurationSettings.default_profile_name.
- **settings_file_path** – [env: QCS_SETTINGS_FILE_PATH] The file path from which to parse QCSClientConfigurationSettings. This file must exist in TOML format. The default value is ~/.qcs/settings.toml.
- **secrets_file_path** – [env: QCS_SECRETS_FILE_PATH] The file path from which to parse QCSClientConfigurationSecrets. This file must exist in TOML format. The default value is ~/.qcs/secrets.toml.

Returns A fully specified QCSClientConfiguration, which QCSAuth may use for adding re-freshed OAuth2 access tokens to outgoing HTTP requests.

exception qcs_api_client.client.QCSClientConfigurationError

Bases: Exception

Common base class for all non-exit exceptions.

Initialize self. See help(type(self)) for accurate signature.

class qcs_api_client.client.QCSClientConfigurationSecrets

Bases: qcs_api_client.client._configuration.file.QCSClientConfigurationFile

The user's full set of QCS secrets.

This class maps QCSClientConfigurationSecretsCredentials by user specified names. Each set of credentials, in turn, contains a TokenPayload.

credentials :Dict[str, QCSClientConfigurationSecretsCredentials]

update_token(* , credentials_name: str, token: TokenPayload) → None

Update the value of a token payload in memory and (if appropriate) on disk.

class qcs_api_client.client.QCSClientConfigurationSecretsCredentials

Bases: pydantic.BaseModel

A set of credentials containing a TokenPayload.

token_payload :Optional[TokenPayload]

property access_token → Optional[str]

property refresh_token → Optional[str]

class qcs_api_client.client.TokenPayload

Bases: pydantic.BaseModel

TokenPayload represents a response from the OAuth2 POST /token endpoint.

It contains an *access_token* which may be set as a Bearer token in the Authorization header on HTTP requests to the QCS API.

QCSAuth will use the *refresh_token* to refresh the *access_token* if the token expires.

refresh_token :Optional[str]

access_token :Optional[str]

scope :Optional[str]

expires_in :Optional[int]

id_token :Optional[str]

token_type :Optional[str]

get_access_token_claims(key: Union[None, bytes, str] = None)

Return the claims within the encoded access token.

If a JWK is provided as *key*, verify the claims as well. If no key is provided, be aware that the returned claims might be forged or invalid.

property access_token_expires_at → Optional[datetime.datetime]

Return the datetime that the token expires (if any).

should_refresh() → bool

Return True if the token is past or nearing expiration and should be refreshed.

class qcs_api_client.client.QCSAccountType

Bases: enum.Enum

Generic enumeration.

Derive from this class to define new enumerations.

user = user

group = group

class qcs_api_client.client.QCSAuthServer

Bases: pydantic.BaseModel

Specifies an OAuth2 authorization server against which to refresh tokens.

class Config

env_prefix = QCS_SETTINGS_AUTH_SERVER_

client_id :str

issuer :str

authorize_url()

token_url()

static scopes()

class qcs_api_client.client.QCSClientConfigurationSettings

Bases: qcs_api_client.client._configuration.file.QCSClientConfigurationFile

A fully parsed settings configuration file.

This contains all of the user's configured authorization servers and profiles. It may optionally contain a `default_profile_name` to use to override the "default" value.

QCSClientConfiguration keys into these configured values when instantiated.

default_profile_name :str = default

Which profile to select settings from when none is specified.

See QCSClientConfiguration.load.

profiles :Dict[str, QCSClientConfigurationSettingsProfile]

All available configuration profiles, keyed by name

auth_servers :Dict[str, QCSAuthServer]

All available authorization servers, keyed by name

class qcs_api_client.client.QCSClientConfigurationSettingsProfile

Bases: qcs_api_client.client._configuration.environment.EnvironmentModel

Specifies the authorization server, credentials, and API URL.

The attributes of this class can be used to initialize an `httpx.Client` with the correct base URL and the `QCSAuth` middleware for making authenticated API calls against the QCS API.

`QCSClientConfigurationSettings` may contain several profiles, which `QCSClientConfiguration.profile_name` may key into.

class Config

env_prefix = QCS_SETTINGS_

api_url :pydantic.networks.HttpUrl = https://api.qcs.rigetti.com

URL of the QCS API to use for all API calls

auth_server_name :str = default

Which of the configured `QCSClientConfigurationSettings.auth_servers` to use

applications :QCSClientConfigurationSettingsApplications

Application-specific configuration values

credentials_name :str = default

Which of the configured `QCSClientConfigurationSecrets.credentials` to use and update

account_id :Optional[str]

Account ID on behalf of which to make requests. If set to `None`, QCS services will use your personal user account. Clients may also set this to a QCS group name for which they are authorized to make requests.

account_type :Optional[QCSAccountType]

Account type on behalf of which to make requests. When setting the `account_id` to a group name, this must be set to `AccountType.group`.

class qcs_api_client.client.QCSClientConfigurationSettingsApplications

Bases: pydantic.BaseModel

Section of a profile specifying per-application settings.

cli :QCSClientConfigurationSettingsApplicationsCLI

pyquail :QCSClientConfigurationSettingsApplicationsPyquail

class qcs_api_client.client.QCSClientConfigurationSettingsApplicationsCLI

Bases: qcs_api_client.client._configuration.environment.EnvironmentModel

class Config

env_prefix = QCS_SETTINGS_APPLICATIONS_CLI_

verbosity :str =

qcs_api_client.models

Contains all the data models used in inputs/outputs

Submodules

qcs_api_client.models.account_balance

Module Contents

Classes

<i>AccountBalance</i>	Balance of QCS account in billing system. Note, a negative balance signifies that the account has QCS credits to
-----------------------	--

Attributes

<i>T</i>

qcs_api_client.models.account_balance.T

class qcs_api_client.models.account_balance.AccountBalance

Balance of QCS account in billing system. Note, a negative balance signifies that the account has QCS credits to spend. A positive account balance signifies that the account has no additional QCS credits to spend. The QCS UI may display these quantities in absolute or negative value and provide a clear meaning to the significance.

Attributes: balance (int): The balance in cents USD.

balance :int

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

qcs_api_client.models.account_type

Module Contents

Classes

<i>AccountType</i>	str(object=) -> str
--------------------	---------------------

class qcs_api_client.models.account_type.**AccountType**

Bases: str, enum.Enum

str(object=) -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

GROUP = group

USER = user

__str__() → str

Return str(self).

qcs_api_client.models.add_group_user_request

Module Contents

Classes

<i>AddGroupUserRequest</i>	Must provide either <i>userId</i> or <i>userEmail</i> and <i>groupId</i> or <i>groupName</i> .
----------------------------	--

Attributes

<i>T</i>

qcs_api_client.models.add_group_user_request.**T**

class qcs_api_client.models.add_group_user_request.**AddGroupUserRequest**

Must provide either *userId* or *userEmail* and *groupId* or *groupName*.

group_id

Type Union[Unset, str]

```
group_name
    Type Union[Unset, str]
user_email
    Type Union[Unset, str]
user_id
    Type Union[Unset, str]
group_id :Union[qcs_api_client.types.Unset, str]
group_name :Union[qcs_api_client.types.Unset, str]
user_email :Union[qcs_api_client.types.Unset, str]
user_id :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
```

`qcs_api_client.models.architecture`

Module Contents

Classes

<i>Architecture</i>	Represents the logical underlying architecture of a quantum processor.
---------------------	--

Attributes

<i>T</i>

`qcs_api_client.models.architecture.T`

class qcs_api_client.models.architecture.Architecture

Represents the logical underlying architecture of a quantum processor.

The architecture is defined in detail by the nodes and edges that constitute the quantum processor. This defines the set of all nodes that could be operated upon, and indicates to some approximation their physical layout. The main purpose of this is to support geometry calculations that are independent of the available operations, and rendering ISA-based information. Architecture layouts are defined by the *family*, as follows.

The “Aspen” family of quantum processor indicates a 2D planar grid layout of octagon unit cells. The *node_id* in this architecture is computed as $100p_y + 10p_x + p_u$ where p_y is the zero-based Y position in the unit cell grid, p_x is the zero-based X position in the unit cell grid, and p_u is the zero-based position in the octagon unit cell and always ranges from 0 to 7. This scheme has a natural size limit of a 10x10 unit cell grid, which permits the architecture to scale up to 800 nodes.

Note that the operations that are actually available are defined entirely by *Operation* instances. The presence of a node or edge in the *Architecture* model provides no guarantee that any 1Q or 2Q operation will be available to users writing QUIL programs.

Attributes: edges (List[Edge]): A list of all computational edges in the instruction set architecture.
family (Family): Family identifier.

Value ‘None’ implies the architecture has no specific layout topology. Value ‘Full’ implies that each node is connected to every other (a fully-connected architecture)

For other values based on deployed architecture layouts (e.g. *Aspen* and *Ankaa*), refer to the architecture classes themselves for more details.

nodes (List[Node]): A list of all computational nodes in the instruction set architecture.

edges :List[qcs_api_client.models.edge.Edge]

family :qcs_api_client.models.family.Family

nodes :List[qcs_api_client.models.node.Node]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

`qcs_api_client.models.auth_email_password_reset_token_request`

Module Contents

Classes

AuthEmailPasswordResetTokenRequest

qcs_api_client.models.
auth_email_password_reset_token_request.
email

Attributes

T

`qcs_api_client.models.auth_email_password_reset_token_request.T`

`class qcs_api_client.models.auth_email_password_reset_token_request.
AuthEmailPasswordResetTokenRequest`

`email`

`Type str`

`email :str`

`additional_properties :Dict[str, Any]`

`to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]`

`classmethod from_dict(src_dict: Dict[str, Any]) → T`

`property additional_keys → List[str]`

`__getitem__(key: str) → Any`

`__setitem__(key: str, value: Any) → None`

`__delitem__(key: str) → None`

`__contains__(key: str) → bool`

`qcs_api_client.models.auth_reset_password_request`

Module Contents

Classes

AuthResetPasswordRequest

`qcs_api_client.models.
auth_reset_password_request.new_password`

Attributes

T

`qcs_api_client.models.auth_reset_password_request.T`

```
class qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest
    new_password
        Type str
    old_password
        Type str
    new_password :str
    old_password :str
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool
```

qcs_api_client.models.auth_reset_password_with_token_request

Module Contents

Classes

AuthResetPasswordWithTokenRequest	Token may be requested with AuthEmailPasswordResetToken.
---	--

Attributes

T

qcs_api_client.models.auth_reset_password_with_token_request.T

```
class qcs_api_client.models.auth_reset_password_with_token_request.
AuthResetPasswordWithTokenRequest
```

Token may be requested with AuthEmailPasswordResetToken.

```
new_password
    Type str
```

```
token
    Type str
new_password :str
token :str
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
```

`qcs_api_client.models.available_reservation`

Module Contents

Classes

AvailableReservation

`qcs_api_client.models.
available_reservation.duration`

Attributes

T

`qcs_api_client.models.available_reservation.T`

`class qcs_api_client.models.available_reservation.AvailableReservation`

```
    duration
        Type str
    end_time
        Type datetime.datetime
```

```

price
    Type int
quantum_processor_id
    Type str
start_time
    Type datetime.datetime
duration :str
end_time :datetime.datetime
price :int
quantum_processor_id :str
start_time :datetime.datetime
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

```

`qcs_api_client.models.billing_customer`

Module Contents

Classes

<i>BillingCustomer</i>	A representation of a QCS's account billing customer. Note, <i>balance</i> does not account for the upcoming invoice.
------------------------	---

Attributes

T

`qcs_api_client.models.billing_customer.T`

class `qcs_api_client.models.billing_customer.BillingCustomer`

A representation of a QCS's account billing customer. Note, *balance* does not account for the upcoming invoice.

email

Type `str`

id

Type `str`

email :`str`

id :`str`

additional_properties :`Dict[str, Any]`

to_dict(*pick_by_predicate*: `Optional[Callable[[Any], bool]] = is_not_none`) → `Dict[str, Any]`

classmethod from_dict(*src_dict*: `Dict[str, Any]`) → `T`

property additional_keys → `List[str]`

__getitem__(*key*: `str`) → `Any`

__setitem__(*key*: `str`, *value*: `Any`) → `None`

__delitem__(*key*: `str`) → `None`

__contains__(*key*: `str`) → `bool`

`qcs_api_client.models.billing_invoice`

Module Contents

Classes

BillingInvoice

A finalized billing invoice.

Attributes

T

qcs_api_client.models.billing_invoice.T

class qcs_api_client.models.billing_invoice.BillingInvoice

A finalized billing invoice.

period_end

Type datetime.datetime

period_start

Type datetime.datetime

starting_balance

Type int

status

Type *BillingInvoiceStatus*

subtotal

Type int

tax

Type int

total

Type int

id

Type str

period_end :datetime.datetime

period_start :datetime.datetime

starting_balance :int

status :qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus

subtotal :int

tax :int

total :int

id :str

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

```
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
```

`qcs_api_client.models.billing_invoice_line`

Module Contents

Classes

<i>BillingInvoiceLine</i>	A line item on an invoice representing a particular purchase (such as a reservation) or aggregate usage for the
---------------------------	---

Attributes

T

`qcs_api_client.models.billing_invoice_line.T`

class `qcs_api_client.models.billing_invoice_line.BillingInvoiceLine`

A line item on an invoice representing a particular purchase (such as a reservation) or aggregate usage for the invoice period.

Attributes: amount (int): description (str): id (str): line_item_type (BillingInvoiceLineLineItemType): metadata (BillingInvoiceLineMetadata): quantity (int): invoice_item (Union[Unset, str]): price (Union[Unset, BillingPrice]): The price schedule for a particular service applied to an invoice line item. subscription (Union[Unset, str]): subscription_item (Union[Unset, str]):

amount :int

description :str

id :str

line_item_type :qcs_api_client.models.billing_invoice_line_line_item_type.
BillingInvoiceLineLineItemType

metadata
:qcs_api_client.models.billing_invoice_line_metadata.BillingInvoiceLineMetadata

quantity :int

invoice_item :Union[qcs_api_client.types.Unset, str]


```

price :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price.BillingPrice]

subscription :Union[qcs_api_client.types.Unset, str]

subscription_item :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

```

`qcs_api_client.models.billing_invoice_line_line_item_type`

Module Contents

Classes

<code>BillingInvoiceLineLineItemType</code>	<code>str(object=) -> str</code>
---	-------------------------------------

class

`qcs_api_client.models.billing_invoice_line_line_item_type.BillingInvoiceLineLineItemType`

Bases: `str`, `enum.Enum`

`str(object=) -> str` `str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See `help(type(self))` for accurate signature.

INVOICEITEM = invoiceitem

SUBSCRIPTION = subscription

`__str__()` → `str`

Return `str(self)`.

qcs_api_client.models.billing_invoice_line_metadata

Module Contents

Classes

BillingInvoiceLineMetadata

Attributes

T

qcs_api_client.models.billing_invoice_line_metadata.T

class qcs_api_client.models.billing_invoice_line_metadata.**BillingInvoiceLineMetadata**

additional_properties :Dict[str, str]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → str

__setitem__(key: str, value: str) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

qcs_api_client.models.billing_invoice_status

Module Contents

Classes

BillingInvoiceStatus

str(object='') -> str

class qcs_api_client.models.billing_invoice_status.**BillingInvoiceStatus**

 Bases: str, enum.Enum

 str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

 Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of

object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

DRAFT = draft

OPEN = open

PAID = paid

UNCOLLECTIBLE = uncollectible

VOID = void

__str__() → str
Return str(self).

qcs_api_client.models.billing_price

Module Contents

Classes

<i>BillingPrice</i>	The price schedule for a particular service applied to an invoice line item.
---------------------	--

Attributes

<i>T</i>

qcs_api_client.models.billing_price.T

class qcs_api_client.models.billing_price.**BillingPrice**

The price schedule for a particular service applied to an invoice line item.

id
Unique identifier for the object.

Type str

active
Whether the price can be used for new purchases.

Type Union[Unset, bool]

billing_scheme
Describes how to compute the price per period. Either *per_unit* or *tiered*. *per_unit* indicates that the fixed amount (specified in *unitAmount* or *unitAmountDecimal*) will be charged per unit in *quantity* (for prices with *usageType=licensed*), or per unit of total usage (for prices with *usageType=metered*). *tiered* indicates that the unit pricing will be computed using a tiering strategy as defined using the *tiers* and *tiersMode* attributes.

Type Union[Unset, *BillingPriceScheme*]

object_

String representing the object's type. Objects of the same type share the same value.

Type Union[Unset, *BillingPriceObject*]

price_type

One of *one_time* or *recurring* depending on whether the price is for a one-time purchase or a recurring (subscription) purchase.

Type Union[Unset, *BillingPricePriceType*]

product

A QCS service product. This may represent one time (such as reservations) or metered services.

Type Union[Unset, *BillingProduct*]

recurring

The recurring components of a price such as *interval* and *usageType*.

Type Union[Unset, *BillingPriceRecurrence*]

tiers

Each element represents a pricing tier. This parameter requires *billingScheme* to be set to *tiered*. See also the documentation for *billingScheme*.

Type Union[Unset, List[*Tier*]]

tiers_mode

Defines if the tiering price should be *graduated* or *volume* based. In *volume*-based tiering, the maximum quantity within a period determines the per unit price, in *graduated* tiering pricing can successively change as the quantity grows.

Type Union[Unset, *BillingPriceTiersMode*]

unit_amount_decimal

The unit amount in *currency* to be charged. Only set if *billingScheme*=*per_unit*.

Type Union[Unset, float]

id :str

active :Union[qcs_api_client.types.Unset, bool]

billing_scheme :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_scheme.BillingPriceScheme]

object_ :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_object.BillingPriceObject]

price_type :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_price_type.BillingPricePriceType]

product :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_product.BillingProduct]

recurring :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence]

```

tiers :Union[qcs_api_client.types.Unset, List[qcs_api_client.models.tier.Tier]]

tiers_mode :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_tiers_mode.BillingPriceTiersMode]

unit_amount_decimal :Union[qcs_api_client.types.Unset, float]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

```

`qcs_api_client.models.billing_price_object`

Module Contents

Classes

<i>BillingPriceObject</i>	<code>str(object='') -> str</code>
---------------------------	---------------------------------------

class `qcs_api_client.models.billing_price_object.BillingPriceObject`

Bases: `str`, `enum.Enum`

`str(object='') -> str` `str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See `help(type(self))` for accurate signature.

PRICE = price

`__str__()` `→ str`

Return `str(self)`.

qcs_api_client.models.billing_price_price_type

Module Contents

Classes

<i>BillingPricePriceType</i>	str(object='') -> str
------------------------------	-----------------------

class qcs_api_client.models.billing_price_price_type.**BillingPricePriceType**

Bases: str, enum.Enum

str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

ONE_TIME = **one_time**

RECURRING = **recurring**

__str__() -> str

Return str(self).

qcs_api_client.models.billing_price_recurrence

Module Contents

Classes

<i>BillingPriceRecurrence</i>	The recurring components of a price such as <i>interval</i> and <i>usageType</i> .
-------------------------------	--

Attributes

T

qcs_api_client.models.billing_price_recurrence.**T**

class qcs_api_client.models.billing_price_recurrence.**BillingPriceRecurrence**

The recurring components of a price such as *interval* and *usageType*.

interval

Type *BillingPriceRecurrenceInterval*

aggregate_usage

Type Union[Unset, *BillingPriceRecurrenceAggregateUsage*]

interval_count

Type Union[Unset, int]

usage_type

Type Union[Unset, *BillingPriceRecurrenceUsageType*]

interval :qcs_api_client.models.billing_price_recurrence_interval.
BillingPriceRecurrenceInterval

aggregate_usage :Union[qcs_api_client.types.Unset, qcs_api_client.models.
billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsage]

interval_count :Union[qcs_api_client.types.Unset, int]

usage_type :Union[qcs_api_client.types.Unset, qcs_api_client.models.
billing_price_recurrence_usage_type.BillingPriceRecurrenceUsageType]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict: Dict[str, Any]*) → T

property additional_keys → List[str]

__getitem__(*key: str*) → Any

__setitem__(*key: str, value: Any*) → None

__delitem__(*key: str*) → None

__contains__(*key: str*) → bool

qcs_api_client.models.billing_price_recurrence_aggregate_usage

Module Contents

Classes

<i>BillingPriceRecurrenceAggregateUsage</i>	<code>str(object='') -> str</code>
---	---------------------------------------

class qcs_api_client.models.billing_price_recurrence_aggregate_usage.
BillingPriceRecurrenceAggregateUsage

Bases: str, enum.Enum

`str(object='') -> str` `str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

LAST_DURING_PERIOD = `last_during_period`

LAST_EVER = `last_ever`

MAX = `max`

SUM = `sum`

__str__() → str
Return str(self).

`qcs_api_client.models.billing_price_recurrence_interval`

Module Contents

Classes

<i>BillingPriceRecurrenceInterval</i>	<code>str(object='') -> str</code>
---	---------------------------------------

class

`qcs_api_client.models.billing_price_recurrence_interval.BillingPriceRecurrenceInterval`

Bases: `str`, `enum.Enum`

`str(object='') -> str`
`str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

DAY = `day`

MONTH = `month`

WEEK = `week`

YEAR = `year`

__str__() → str
Return str(self).

`qcs_api_client.models.billing_price_recurrence_usage_type`

Module Contents

Classes

<i>BillingPriceRecurrenceUsageType</i>	<code>str(object='') -> str</code>
--	---------------------------------------

class**qcs_api_client.models.billing_price_recurrence_usage_type.BillingPriceRecurrenceUsageType**Bases: `str`, `enum.Enum``str(object='') -> str` `str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See `help(type(self))` for accurate signature.

LICENSED = licensed**METERED = metered**`__str__()` → `str`Return `str(self)`.**qcs_api_client.models.billing_price_scheme****Module Contents****Classes***BillingPriceScheme*`str(object='') -> str`**class qcs_api_client.models.billing_price_scheme.BillingPriceScheme**Bases: `str`, `enum.Enum``str(object='') -> str` `str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See `help(type(self))` for accurate signature.

PER_UNIT = per_unit**TIERED = tiered**`__str__()` → `str`Return `str(self)`.

qcs_api_client.models.billing_price_tiers_mode

Module Contents

Classes

<i>BillingPriceTiersMode</i>	str(object='') -> str
------------------------------	-----------------------

class qcs_api_client.models.billing_price_tiers_mode.**BillingPriceTiersMode**

Bases: str, enum.Enum

str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

GRADUATED = graduated

VOLUME = volume

__str__() -> str

Return str(self).

qcs_api_client.models.billing_product

Module Contents

Classes

<i>BillingProduct</i>	A QCS service product. This may represent one time (such as reservations) or metered services.
-----------------------	--

Attributes

<i>T</i>

qcs_api_client.models.billing_product.T

class qcs_api_client.models.billing_product.**BillingProduct**

A QCS service product. This may represent one time (such as reservations) or metered services.

id

Unique identifier for the object.

Type str

name

This name will show up on associated invoice line item descriptions.

Type str

object_

String representing the object's type. Objects of the same type share the same value.

Type *BillingProductObject*

description

Type Union[Unset, str]

unit_label

A label that represents units of this product. When set, this will be included in associated invoice line item descriptions.

Type Union[Unset, str]

id :str**name :str**

object_ :qcs_api_client.models.billing_product_object.BillingProductObject

description :Union[qcs_api_client.types.Unset, str]

unit_label :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict: Dict[str, Any]*) → T

property additional_keys → List[str]

__getitem__(*key: str*) → Any

__setitem__(*key: str, value: Any*) → None

__delitem__(*key: str*) → None

__contains__(*key: str*) → bool

qcs_api_client.models.billing_product_object

Module Contents

Classes

<i>BillingProductObject</i>	str(object='') -> str
-----------------------------	-----------------------

class qcs_api_client.models.billing_product_object.BillingProductObject

Bases: str, enum.Enum

str(object=”) -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to ‘strict’.

Initialize self. See help(type(self)) for accurate signature.

PRODUCT = **product**

__str__() -> str

Return str(self).

qcs_api_client.models.billing_upcoming_invoice

Module Contents

Classes

BillingUpcomingInvoice

An unfinalized billing invoice.

Attributes

T

qcs_api_client.models.billing_upcoming_invoice.T

class qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice

An unfinalized billing invoice.

period_end

Type datetime.datetime

period_start

Type datetime.datetime

starting_balance

Type int

status

Type *BillingInvoiceStatus*

subtotal

Type int

```

tax
    Type int
total
    Type int
period_end :datetime.datetime
period_start :datetime.datetime
starting_balance :int
status :qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus
subtotal :int
tax :int
total :int
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

```

`qcs_api_client.models.characteristic`

Module Contents

Classes

Characteristic

A measured characteristic of an operation.

Attributes

T

`qcs_api_client.models.characteristic.T`

```
class qcs_api_client.models.characteristic.Characteristic
```

A measured characteristic of an operation.

name

The name of the characteristic.

Type str

timestamp

The date and time at which the characteristic was measured.

Type datetime.datetime

value

The characteristic value measured.

Type float

error

The error in the characteristic value, or None otherwise.

Type Union[Unset, float]

node_ids

The list of architecture node ids for the site where the characteristic is measured, if that is different from the site of the enclosing operation. None if it is the same. The order of this or the enclosing node ids obey the definition of node symmetry from the enclosing operation.

Type Union[Unset, List[int]]

parameter_values

The optional ordered list of parameter values used to generate the characteristic. The order matches the parameters in the enclosing operation, and so the lengths of these two lists must match.

Type Union[Unset, List[float]]

name :str

timestamp :datetime.datetime

value :float

error :Union[qcs_api_client.types.Unset, float]

node_ids :Union[qcs_api_client.types.Unset, List[int]]

parameter_values :Union[qcs_api_client.types.Unset, List[float]]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

`qcs_api_client.models.check_client_application_request`

Module Contents

Classes

CheckClientApplicationRequest

`qcs_api_client.models.
check_client_application_request.name`

Attributes

T

`qcs_api_client.models.check_client_application_request.T`

class

`qcs_api_client.models.check_client_application_request.CheckClientApplicationRequest`

name

Name of component

Type str

version

Semantic version of component.

Type str

name :str

version :str

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict: Dict[str, Any]*) → T

property additional_keys → List[str]

__getitem__(*key: str*) → Any

__setitem__(*key: str, value: Any*) → None

__delitem__(*key: str*) → None

__contains__(*key: str*) → bool

qcs_api_client.models.check_client_application_response

Module Contents

Classes

CheckClientApplicationResponse

qcs_api_client.models.
check_client_application_response.
is_latest_version

Attributes

T

qcs_api_client.models.check_client_application_response.T

class

qcs_api_client.models.check_client_application_response.**CheckClientApplicationResponse**

is_latest_version

Type bool

is_update_required

Set to true if component is not at latest version.

Type bool

message

Type str

is_latest_version :bool

is_update_required :bool

message :str

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict: Dict[str, Any]*) → T

property additional_keys → List[str]

__getitem__(*key: str*) → Any

__setitem__(*key: str, value: Any*) → None

__delitem__(*key: str*) → None

__contains__(*key: str*) → bool

`qcs_api_client.models.checksum_description`

Module Contents

Classes

ChecksumDescription

`qcs_api_client.models.
checksum_description.header_name`

Attributes

T

`qcs_api_client.models.checksum_description.T`

class `qcs_api_client.models.checksum_description.ChecksumDescription`

header_name

Type `str`

type

Type *ChecksumDescriptionType*

header_name :`str`

type :`qcs_api_client.models.checksum_description_type.ChecksumDescriptionType`

additional_properties :`Dict[str, Any]`

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

property additional_keys → `List[str]`

__getitem__(*key: str*) → `Any`

__setitem__(*key: str, value: Any*) → `None`

__delitem__(*key: str*) → `None`

__contains__(*key: str*) → `bool`

`qcs_api_client.models.checksum_description_type`

Module Contents

Classes

ChecksumDescriptionType

`str(object='') -> str`

class `qcs_api_client.models.checksum_description_type.ChecksumDescriptionType`

Bases: `str`, `enum.Enum`

`str(object='') -> str` `str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See `help(type(self))` for accurate signature.

MD5 = `md5`

`__str__()` \rightarrow `str`

Return `str(self)`.

`qcs_api_client.models.client_application`

Module Contents

Classes

ClientApplication

`qcs_api_client.models.client_application.
latest_version`

Attributes

T

`qcs_api_client.models.client_application.T`

class `qcs_api_client.models.client_application.ClientApplication`

latest_version

Semantic version

Type `str`

```

name
    Type str
supported
    Type bool
details_uri
    Type Union[Unset, str]
links
    Type Union[Unset, List[ClientApplicationsDownloadLink]]
minimum_version
    Semantic version
    Type Union[Unset, str]
latest_version :str
name :str
supported :bool
details_uri :Union[qcs_api_client.types.Unset, str]
links :Union[qcs_api_client.types.Unset, List[qcs_api_client.models.
client_applications_download_link.ClientApplicationsDownloadLink]]
minimum_version :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

```

`qcs_api_client.models.client_applications_download_link`

Module Contents

Classes

ClientApplicationsDownloadLink

`qcs_api_client.models.
client_applications_download_link.url`

Attributes

T

`qcs_api_client.models.client_applications_download_link.T`

class

`qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink`

url

Type `str`

checksum_description

Type `Union[Unset, ChecksumDescription]`

platform

Type `Union[Unset, str]`

url :str

checksum_description :Union[qcs_api_client.types.Unset, qcs_api_client.models.checksum_description.ChecksumDescription]

platform :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

property additional_keys → `List[str]`

__getitem__(*key: str*) → `Any`

__setitem__(*key: str, value: Any*) → `None`

__delitem__(*key: str*) → `None`

__contains__(*key: str*) → `bool`

`qcs_api_client.models.create_endpoint_parameters`

Module Contents

Classes

CreateEndpointParameters

A publicly available set of parameters for defining an endpoint.

Attributes

T

`qcs_api_client.models.create_endpoint_parameters.T`

class `qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters`

A publicly available set of parameters for defining an endpoint.

datacenters

Which datacenters are available for endpoint placement. Defaults to berkeley-775

Type `Union[Unset, List[NomadJobDatacenters]]`

quantum_processor_ids

Public identifiers for quantum processors served by this endpoint.

Type `Union[Unset, List[str]]`

datacenters :`Union[qcs_api_client.types.Unset, List[qcs_api_client.models.nomad_job_datacenters.NomadJobDatacenters]]`

quantum_processor_ids :`Union[qcs_api_client.types.Unset, List[str]]`

additional_properties :`Dict[str, Any]`

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

property additional_keys → `List[str]`

__getitem__(*key: str*) → `Any`

__setitem__(*key: str, value: Any*) → `None`

__delitem__(*key: str*) → `None`

__contains__(*key: str*) → `bool`

`qcs_api_client.models.create_engagement_request`

Module Contents

Classes

CreateEngagementRequest

`qcs_api_client.models.
create_engagement_request.account_id`

Attributes

T

`qcs_api_client.models.create_engagement_request.T`

class `qcs_api_client.models.create_engagement_request.CreateEngagementRequest`

account_id

Either the client's user ID or the name of a group on behalf of which the client wishes to engage. This value will override any values set in the headers.

Type `Union[Unset, str]`

account_type

There are two types of accounts within QCS: user (representing a single user in Okta) and group (representing one or more users in Okta).

Type `Union[Unset, AccountType]`

endpoint_id

Unique, opaque identifier for the endpoint

Type `Union[Unset, str]`

quantum_processor_id

Public identifier for a quantum processor [example: Aspen-1]

Type `Union[Unset, str]`

tags

Tags recorded on QPU requests, which reporting services may later use for querying usage records.

Type `Union[Unset, List[str]]`

account_id `:Union[qcs_api_client.types.Unset, str]`

account_type `:Union[qcs_api_client.types.Unset, qcs_api_client.models.account_type.AccountType]`

endpoint_id `:Union[qcs_api_client.types.Unset, str]`

quantum_processor_id `:Union[qcs_api_client.types.Unset, str]`

tags `:Union[qcs_api_client.types.Unset, List[str]]`

additional_properties `:Dict[str, Any]`

to_dict `(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]`

classmethod from_dict `(src_dict: Dict[str, Any]) → T`

property additional_keys `→ List[str]`

__getitem__ `(key: str) → Any`

__setitem__ `(key: str, value: Any) → None`

`__delitem__(key: str) → None`

`__contains__(key: str) → bool`

`qcs_api_client.models.create_reservation_request`

Module Contents

Classes

CreateReservationRequest

`qcs_api_client.models.
create_reservation_request.end_time`

Attributes

T

`qcs_api_client.models.create_reservation_request.T`

`class qcs_api_client.models.create_reservation_request.CreateReservationRequest`

end_time

Type `datetime.datetime`

quantum_processor_id

Type `str`

start_time

Type `datetime.datetime`

account_id

userId for *accountType* “user”, group name for *accountType* “group”.

Type `Union[Unset, str]`

account_type

There are two types of accounts within QCS: user (representing a single user in Okta) and group (representing one or more users in Okta).

Type `Union[Unset, AccountType]`

notes

Type `Union[Unset, str]`

end_time `:datetime.datetime`

```
quantum_processor_id :str
start_time :datetime.datetime
account_id :Union[qcs_api_client.types.Unset, str]
account_type :Union[qcs_api_client.types.Unset,
qcs_api_client.models.account_type.AccountType]
notes :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
```

`qcs_api_client.models.dictionary`

Module Contents

Classes

<i>Dictionary</i>	Generic, arbitrary Dictionary
-------------------	-------------------------------

Attributes

<i>T</i>

`qcs_api_client.models.dictionary.T`

class `qcs_api_client.models.dictionary.Dictionary`

Generic, arbitrary Dictionary

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]


```

__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

```

`qcs_api_client.models.edge`

Module Contents

Classes

<i>Edge</i>	A degree-two logical connection in the quantum processor's architecture.
-------------	--

Attributes

<i>T</i>	
----------	--

`qcs_api_client.models.edge.T`

class `qcs_api_client.models.edge.Edge`

A degree-two logical connection in the quantum processor's architecture.

The existence of an edge in the ISA *Architecture* does not necessarily mean that a given 2Q operation will be available on the edge. This information is conveyed by the presence of the two *node_id* values in instances of *Instruction*.

Note that edges are undirected in this model. Thus edge (a, b) is equivalent to edge (b, a) .

Attributes:

node_ids (List[int]): The integer ids of the computational nodes at the two ends of the edge. Order is not important; an architecture edge is treated as undirected.

node_ids :List[int]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

`qcs_api_client.models.endpoint`

Module Contents

Classes

Endpoint

An Endpoint is the entry point for remote access to a QuantumProcessor.

Attributes

T

`qcs_api_client.models.endpoint.T`

class `qcs_api_client.models.endpoint.Endpoint`

An Endpoint is the entry point for remote access to a QuantumProcessor.

addresses

Addresses at which an endpoint is reachable over the network.

Type *EndpointAddresses*

healthy

Whether the endpoint is operating as intended

Type `bool`

id

Unique, opaque identifier for the endpoint

Type `str`

mock

Whether the endpoint serves simulated or substituted data for testing purposes

Type `bool`

address

Network address at which the endpoint is locally reachable

Type `Union[Unset, None, str]`

datacenter

Datacenter within which the endpoint is deployed

Type `Union[Unset, str]`

quantum_processor_ids

Public identifiers for quantum processors served by this endpoint.

Type `Union[Unset, List[str]]`

addresses :`qcs_api_client.models.endpoint_addresses.EndpointAddresses`

```

healthy :bool

id :str

mock :bool

address :Union[qcs_api_client.types.Unset, None, str]

datacenter :Union[qcs_api_client.types.Unset, str]

quantum_processor_ids :Union[qcs_api_client.types.Unset, List[str]]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

```

`qcs_api_client.models.endpoint_addresses`

Module Contents

Classes

EndpointAddresses

Addresses at which an endpoint is reachable over the network.

Attributes

T

`qcs_api_client.models.endpoint_addresses.T`

class `qcs_api_client.models.endpoint_addresses.EndpointAddresses`

Addresses at which an endpoint is reachable over the network.

grpc

Type Union[Unset, str]

rpcq

Type Union[Unset, str]

```
grpc :Union[qcs_api_client.types.Unset, str]
rpcq :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
```

`qcs_api_client.models.engagement_credentials`

Module Contents

Classes

<i>EngagementCredentials</i>	Credentials are the ZeroMQ CURVE Keys used to encrypt the connection with the Quantum Processor
------------------------------	---

Attributes

T

`qcs_api_client.models.engagement_credentials.T`

class `qcs_api_client.models.engagement_credentials.EngagementCredentials`

Credentials are the ZeroMQ CURVE Keys used to encrypt the connection with the Quantum Processor Endpoint.

Attributes: `client_public` (str): `client_secret` (str): `server_public` (str):

`client_public` :str

`client_secret` :str

`server_public` :str

`additional_properties` :Dict[str, Any]

`to_dict`(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

`classmethod from_dict`(*src_dict*: Dict[str, Any]) → T

```

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

```

`qcs_api_client.models.engagement_with_credentials`

Module Contents

Classes

EngagementWithCredentials

An engagement is the authorization of a user to execute work on a Quantum Processor Endpoint.

Attributes

T

`qcs_api_client.models.engagement_with_credentials.T`

class `qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials`

An engagement is the authorization of a user to execute work on a Quantum Processor Endpoint.

address

The network address of the endpoint to which this engagement grants access

Type str

credentials

Credentials are the ZeroMQ CURVE Keys used to encrypt the connection with the Quantum Processor Endpoint.

Type *EngagementCredentials*

endpoint_id

The ID of the endpoint to which this engagement grants access

Type str

expires_at

Time after which the engagement is no longer valid. Given in RFC3339 format.

Type str

user_id

Type str

account_id

User ID or group name on behalf of which the engagement is made.

Type Union[Unset, str]

account_type

There are two types of accounts within QCS: user (representing a single user in Okta) and group (representing one or more users in Okta).

Type Union[Unset, *AccountType*]

minimum_priority

The minimum priority value allowed for execution

Type Union[Unset, int]

quantum_processor_ids

The quantum processors for which this engagement enables access and execution

Type Union[Unset, List[str]]

tags

Tags recorded on QPU requests and recorded on usage records.

Type Union[Unset, List[str]]

address :str

credentials :qcs_api_client.models.engagement_credentials.EngagementCredentials

endpoint_id :str**expires_at :str****user_id :str**

account_id :Union[qcs_api_client.types.Unset, str]

account_type :Union[qcs_api_client.types.Unset, qcs_api_client.models.account_type.AccountType]

minimum_priority :Union[qcs_api_client.types.Unset, int]

quantum_processor_ids :Union[qcs_api_client.types.Unset, List[str]]

tags :Union[qcs_api_client.types.Unset, List[str]]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict: Dict[str, Any]*) → T

property additional_keys → List[str]

__getitem__(*key: str*) → Any

__setitem__(*key: str, value: Any*) → None

__delitem__(*key: str*) → None

__contains__(*key: str*) → bool

`qcs_api_client.models.error`

Module Contents

Classes

Error`qcs_api_client.models.error.code`

Attributes

T

`qcs_api_client.models.error.T``class qcs_api_client.models.error.Error``code``Type str``message``Type str``request_id``Type str``validation_errors``Type Union[Unset, List[ValidationError]]``code :str``message :str``request_id :str``validation_errors :Union[qcs_api_client.types.Unset,
List[qcs_api_client.models.validation_error.ValidationError]]``additional_properties :Dict[str, Any]``to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]``classmethod from_dict(src_dict: Dict[str, Any]) → T``property additional_keys → List[str]``__getitem__(key: str) → Any``__setitem__(key: str, value: Any) → None`

`__delitem__(key: str) → None`

`__contains__(key: str) → bool`

`qcs_api_client.models.family`

Module Contents

Classes

Family

`str(object='') -> str`

class `qcs_api_client.models.family.Family`

Bases: `str`, `enum.Enum`

`str(object='') -> str` `str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See `help(type(self))` for accurate signature.

NONE = **None**

FULL = **Full**

ASPEN = **Aspen**

ANKAA = **Ankaa**

`__str__()` → `str`

Return `str(self)`.

`qcs_api_client.models.find_available_reservations_response`

Module Contents

Classes

FindAvailableReservationsResponse

`qcs_api_client.models.
find_available_reservations_response.
available_reservations`

Attributes

T

`qcs_api_client.models.find_available_reservations_response.T`

`class qcs_api_client.models.find_available_reservations_response.
FindAvailableReservationsResponse`

`available_reservations`

`Type List[AvailableReservation]`

`next_page_token`

`Type Union[Unset, str]`

`available_reservations`

`:List[qcs_api_client.models.available_reservation.AvailableReservation]`

`next_page_token :Union[qcs_api_client.types.Unset, str]`

`additional_properties :Dict[str, Any]`

`to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]`

`classmethod from_dict(src_dict: Dict[str, Any]) → T`

`property additional_keys → List[str]`

`__getitem__(key: str) → Any`

`__setitem__(key: str, value: Any) → None`

`__delitem__(key: str) → None`

`__contains__(key: str) → bool`

`qcs_api_client.models.get_quilt_calibrations_response`

Module Contents

Classes

GetQuiltCalibrationsResponse

`qcs_api_client.models.
get_quilt_calibrations_response.quilt`

Attributes

T

`qcs_api_client.models.get_quilt_calibrations_response.T`

class `qcs_api_client.models.get_quilt_calibrations_response.GetQuiltCalibrationsResponse`

quilt

Calibrations suitable for use in a Quil-T program

Type `str`

settings_timestamp

ISO8601 timestamp of the settings used to generate these calibrations

Type `Union[Unset, str]`

quilt :str

settings_timestamp :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

property additional_keys → `List[str]`

__getitem__(*key: str*) → `Any`

__setitem__(*key: str, value: Any*) → `None`

__delitem__(*key: str*) → `None`

__contains__(*key: str*) → `bool`

`qcs_api_client.models.group`

Module Contents

Classes

Group

`qcs_api_client.models.group.created_time`

Attributes

T

qcs_api_client.models.group.T

class qcs_api_client.models.group.Group

created_time

Type datetime.datetime

description

Type str

id

Type str

last_membership_updated_time

Type datetime.datetime

name

Type str

updated_time

Type datetime.datetime

created_time :datetime.datetime

description :str

id :str

last_membership_updated_time :datetime.datetime

name :str

updated_time :datetime.datetime

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

qcs_api_client.models.health

Module Contents

Classes

Health

qcs_api_client.models.health.status

Attributes

T

qcs_api_client.models.health.T

class qcs_api_client.models.health.**Health**

status

Example: PASS.

Type str

status :str

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

qcs_api_client.models.instruction_set_architecture

Module Contents

Classes

InstructionSetArchitecture

The native instruction set architecture of a quantum processor, annotated with characteristics.

Attributes

T

`qcs_api_client.models.instruction_set_architecture.T`

class `qcs_api_client.models.instruction_set_architecture.InstructionSetArchitecture`

The native instruction set architecture of a quantum processor, annotated with characteristics.

The operations described by the *instructions* field are named by their QUIL instruction name, while the operation described by the *benchmarks* field are named by their benchmark routine and are a future extension point that will be populated in future iterations.

The characteristics that annotate both instructions and benchmarks assist the user to generate the best native QUIL program for a desired task, and so are provided as part of the native ISA.

Attributes: *architecture* (Architecture): Represents the logical underlying architecture of a quantum processor.

The architecture is defined in detail by the nodes and edges that constitute the quantum processor. This defines the set of all nodes that could be operated upon, and indicates to some approximation their physical layout. The main purpose of this is to support geometry calculations that are independent of the available operations, and rendering ISA-based information. Architecture layouts are defined by the *family*, as follows.

The “Aspen” family of quantum processor indicates a 2D planar grid layout of octagon unit cells. The *node_id* in this architecture is computed as $100p_y + 10p_x + p_u$ where p_y is the zero-based Y position in the unit cell grid, p_x is the zero-based X position in the unit cell grid, and p_u is the zero-based position in the octagon unit cell and always ranges from 0 to 7. This scheme has a natural size limit of a 10x10 unit cell grid, which permits the architecture to scale up to 800 nodes.

Note that the operations that are actually available are defined entirely by *Operation* instances. The presence of a node or edge in the *Architecture* model provides no guarantee that any 1Q or 2Q operation will be available to users writing QUIL programs.

benchmarks (List[Operation]): The list of benchmarks that have characterized the quantum processor. *instructions* (List[Operation]): The list of native QUIL instructions supported by the quantum processor. *name* (str): The name of the quantum processor.

architecture :`qcs_api_client.models.architecture.Architecture`

benchmarks :List[`qcs_api_client.models.operation.Operation`]

instructions :List[`qcs_api_client.models.operation.Operation`]

name :str

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

qcs_api_client.models.invite_user_request

Module Contents

Classes

InviteUserRequest

qcs_api_client.models.invite_user_request.
email

Attributes

T

qcs_api_client.models.invite_user_request.T

class qcs_api_client.models.invite_user_request.**InviteUserRequest**

email

Type str

group_name

Type Union[Unset, str]

email :str

group_name :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

`qcs_api_client.models.list_account_billing_invoice_lines_response`

Module Contents

Classes

ListAccountBillingInvoiceLinesResponse

`qcs_api_client.models.
list_account_billing_invoice_lines_response.
billing_invoice_lines`

Attributes

T

`qcs_api_client.models.list_account_billing_invoice_lines_response.T`

`class qcs_api_client.models.list_account_billing_invoice_lines_response.
ListAccountBillingInvoiceLinesResponse`

`billing_invoice_lines`

`Type List[BillingInvoiceLine]`

`next_page_token`

`Type Union[Unset, str]`

`billing_invoice_lines`

`:List[qcs_api_client.models.billing_invoice_line.BillingInvoiceLine]`

`next_page_token :Union[qcs_api_client.types.Unset, str]`

`additional_properties :Dict[str, Any]`

`to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]`

`classmethod from_dict(src_dict: Dict[str, Any]) → T`

`property additional_keys → List[str]`

`__getitem__(key: str) → Any`

`__setitem__(key: str, value: Any) → None`

`__delitem__(key: str) → None`

`__contains__(key: str) → bool`

qcs_api_client.models.list_account_billing_invoices_response

Module Contents

Classes

ListAccountBillingInvoicesResponse

qcs_api_client.models.
list_account_billing_invoices_response.
billing_invoices

Attributes

T

qcs_api_client.models.list_account_billing_invoices_response.T

class qcs_api_client.models.list_account_billing_invoices_response.
ListAccountBillingInvoicesResponse

billing_invoices

 Type List[BillingInvoice]

next_page_token

 Type Union[Unset, str]

billing_invoices :List[qcs_api_client.models.billing_invoice.BillingInvoice]

next_page_token :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

qcs_api_client.models.list_client_applications_response

Module Contents

Classes

ListClientApplicationsResponse

qcs_api_client.models.
list_client_applications_response.
client_applications

Attributes

T

qcs_api_client.models.list_client_applications_response.T

class

qcs_api_client.models.list_client_applications_response.**ListClientApplicationsResponse**

client_applications

Type List[*ClientApplication*]

client_applications

:List[qcs_api_client.models.client_application.ClientApplication]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

`qcs_api_client.models.list_endpoints_response`

Module Contents

Classes

ListEndpointsResponse

`qcs_api_client.models.
list_endpoints_response.endpoints`

Attributes

T

`qcs_api_client.models.list_endpoints_response.T`

class `qcs_api_client.models.list_endpoints_response.ListEndpointsResponse`

endpoints

Type `List[Endpoint]`

next_page_token

Opaque token indicating the start of the next page of results to return; do not decode

Type `Union[Unset, str]`

endpoints `:List[qcs_api_client.models.endpoint.Endpoint]`

next_page_token `:Union[qcs_api_client.types.Unset, str]`

additional_properties `:Dict[str, Any]`

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) `→ Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) `→ T`

property additional_keys `→ List[str]`

__getitem__(*key: str*) `→ Any`

__setitem__(*key: str, value: Any*) `→ None`

__delitem__(*key: str*) `→ None`

__contains__(*key: str*) `→ bool`

`qcs_api_client.models.list_group_users_response`

Module Contents

Classes

ListGroupUsersResponse

`qcs_api_client.models.
list_group_users_response.users`

Attributes

T

`qcs_api_client.models.list_group_users_response.T`

class `qcs_api_client.models.list_group_users_response.ListGroupUsersResponse`

users

Type `List[User]`

next_page_token

Type `Union[Unset, str]`

users `:List[qcs_api_client.models.user.User]`

next_page_token `:Union[qcs_api_client.types.Unset, str]`

additional_properties `:Dict[str, Any]`

to_dict `(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]`

classmethod from_dict `(src_dict: Dict[str, Any]) → T`

property additional_keys `→ List[str]`

__getitem__ `(key: str) → Any`

__setitem__ `(key: str, value: Any) → None`

__delitem__ `(key: str) → None`

__contains__ `(key: str) → bool`

qcs_api_client.models.list_groups_response

Module Contents

Classes

ListGroupsResponse

qcs_api_client.models.
list_groups_response.**groups**

Attributes

T

qcs_api_client.models.list_groups_response.T

class qcs_api_client.models.list_groups_response.**ListGroupsResponse**

groups

Type List[*Group*]

next_page_token

Type Union[Unset, str]

groups :List[qcs_api_client.models.group.Group]

next_page_token :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

`qcs_api_client.models.list_quantum_processor_accessors_response`

Module Contents

Classes

ListQuantumProcessorAccessorsResponse

`qcs_api_client.models.
list_quantum_processor_accessors_response.
accessors`

Attributes

T

`qcs_api_client.models.list_quantum_processor_accessors_response.T`

class `qcs_api_client.models.list_quantum_processor_accessors_response.
ListQuantumProcessorAccessorsResponse`

accessors

Methods of accessing the relevant Quantum Processor

Type `List[QuantumProcessorAccessor]`

next_page_token

Opaque token indicating the start of the next page of results to return; do not decode

Type `Union[Unset, str]`

accessors

:List`[qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessor]`

next_page_token **:Union**`[qcs_api_client.types.Unset, str]`

additional_properties **:Dict**`[str, Any]`

to_dict`(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]`

classmethod from_dict`(src_dict: Dict[str, Any]) → T`

property additional_keys `→ List[str]`

__getitem__`(key: str) → Any`

__setitem__`(key: str, value: Any) → None`

__delitem__`(key: str) → None`

__contains__`(key: str) → bool`

qcs_api_client.models.list_quantum_processors_response

Module Contents

Classes

ListQuantumProcessorsResponse

qcs_api_client.models.
list_quantum_processors_response.
quantum_processors

Attributes

T

qcs_api_client.models.list_quantum_processors_response.T

class

qcs_api_client.models.list_quantum_processors_response.**ListQuantumProcessorsResponse**

quantum_processors

Type List[*QuantumProcessor*]

next_page_token

Opaque token indicating the start of the next page of results to return; do not decode

Type Union[Unset, str]

quantum_processors :List[qcs_api_client.models.quantum_processor.QuantumProcessor]

next_page_token :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

`qcs_api_client.models.list_reservations_response`

Module Contents

Classes

ListReservationsResponse

`qcs_api_client.models.
list_reservations_response.next_page_token`

Attributes

T

`qcs_api_client.models.list_reservations_response.T`

class `qcs_api_client.models.list_reservations_response.ListReservationsResponse`

next_page_token

Type `str`

reservations

Type `List[Reservation]`

next_page_token `:str`

reservations `:List[qcs_api_client.models.reservation.Reservation]`

additional_properties `:Dict[str, Any]`

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) `→ Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) `→ T`

property additional_keys `→ List[str]`

__getitem__(*key: str*) `→ Any`

__setitem__(*key: str, value: Any*) `→ None`

__delitem__(*key: str*) `→ None`

__contains__(*key: str*) `→ bool`

qcs_api_client.models.node

Module Contents

Classes

<i>Node</i>	A logical node in the quantum processor's architecture.
-------------	---

Attributes

<i>T</i>

qcs_api_client.models.node.T

class qcs_api_client.models.node.Node

A logical node in the quantum processor's architecture.

The existence of a node in the *ISA Architecture* does not necessarily mean that a given 1Q operation will be available on the node. This information is conveyed by the presence of the specific *node_id* in instances of *Instruction*.

Attributes:

node_id (int): An integer id assigned to the computational node. The ids may not be contiguous and will be assigned based on the architecture family.

node_id :int

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

qcs_api_client.models.nomad_job_datacenters

Module Contents

Classes

<i>NomadJobDatacenters</i>	str(object='') -> str
----------------------------	-----------------------

class qcs_api_client.models.nomad_job_datacenters.NomadJobDatacenters

Bases: str, enum.Enum

str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

BERKELEY_775 = **berkeley-775**

FREMONT_FAB = **fremont-fab**

OXFORD_INSTRUMENTS = **oxford-instruments**

__str__() → str

Return str(self).

`qcs_api_client.models.operation`

Module Contents

Classes

<i>Operation</i>	An operation, with its sites and site-independent characteristics.
------------------	--

Attributes

<i>T</i>	
----------	--

`qcs_api_client.models.operation.T`

class `qcs_api_client.models.operation.Operation`

An operation, with its sites and site-independent characteristics.

characteristics

The list of site-independent characteristics of this operation.

Type List[*Characteristic*]

name

The name of the operation.

Type str

parameters

The list of parameters. Each parameter must be uniquely named. May be empty.

Type List[*Parameter*]

sites

The list of sites at which this operation can be applied, together with its site- dependent characteristics.

Type List[*OperationSite*]

node_count

The number of nodes that this operation applies to. None if unspecified.

Type Union[Unset, int]

```
characteristics :List[qcs_api_client.models.characteristic.Characteristic]
name :str
parameters :List[qcs_api_client.models.parameter.Parameter]
sites :List[qcs_api_client.models.operation_site.OperationSite]
node_count :Union[qcs_api_client.types.Unset, int]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
```

`qcs_api_client.models.operation_site`

Module Contents

Classes

<i>OperationSite</i>	A site for an operation, with its site-dependent characteristics.
----------------------	---

Attributes

<i>T</i>

`qcs_api_client.models.operation_site.T`

class `qcs_api_client.models.operation_site.OperationSite`

A site for an operation, with its site-dependent characteristics.

characteristics

The list of site-dependent characteristics of this operation.

Type `List[Characteristic]`

node_ids

The list of architecture node ids for the site. The order of these node ids obey the definition of node symmetry from the enclosing operation.

Type `List[int]`

characteristics :`List[qcs_api_client.models.characteristic.Characteristic]`

node_ids :`List[int]`

to_dict(*pick_by_predicate*: `Optional[Callable[[Any], bool]] = is_not_none`) → `Dict[str, Any]`

classmethod from_dict(*src_dict*: `Dict[str, Any]`) → `T`

qcs_api_client.models.parameter

Module Contents

Classes

<i>Parameter</i>	A parameter to an operation.
------------------	------------------------------

Attributes

<i>T</i>

qcs_api_client.models.parameter.T

class qcs_api_client.models.parameter.Parameter

A parameter to an operation.

name

The name of the parameter, such as the name of a mathematical symbol.

Type str

name :str

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

qcs_api_client.models.parameter_spec

Module Contents

Classes

<i>ParameterSpec</i>	qcs_api_client.models.parameter_spec. length
----------------------	--

Attributes

T

`qcs_api_client.models.parameter_spec.T`

class `qcs_api_client.models.parameter_spec.ParameterSpec`

length

Type `Union[Unset, int]`

length `:Union[qcs_api_client.types.Unset, int]`

additional_properties `:Dict[str, Any]`

to_dict `(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]`

classmethod from_dict `(src_dict: Dict[str, Any]) → T`

property additional_keys `→ List[str]`

__getitem__ `(key: str) → Any`

__setitem__ `(key: str, value: Any) → None`

__delitem__ `(key: str) → None`

__contains__ `(key: str) → bool`

`qcs_api_client.models.quantum_processor`

Module Contents

Classes

QuantumProcessor

`qcs_api_client.models.quantum_processor.id`

Attributes

T

`qcs_api_client.models.quantum_processor.T`

class `qcs_api_client.models.quantum_processor.QuantumProcessor`

id

Immutable, unique identifier for a quantum processor [example: Aspen-1]

Type str**id :str****additional_properties :Dict[str, Any]****to_dict**(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]**classmethod from_dict**(*src_dict: Dict[str, Any]*) → T**property additional_keys** → List[str]**__getitem__**(*key: str*) → Any**__setitem__**(*key: str, value: Any*) → None**__delitem__**(*key: str*) → None**__contains__**(*key: str*) → bool`qcs_api_client.models.quantum_processor_accessor`

Module Contents

Classes

QuantumProcessorAccessor

Method of accessing an available QPU.

Attributes

T`qcs_api_client.models.quantum_processor_accessor.T`**class** `qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessor`

Method of accessing an available QPU.

access_type

Types of access mechanisms for a QPU. Each accessor type has its own access characteristics, benefits, and drawbacks.

Type *QuantumProcessorAccessorType***live**

Whether an accessor represents access to a physical, live quantum processor. When false, this accessor provides access instead to a simulated or test QPU.

Type bool

url

Address used to connect to the accessor.

Type str

id

Unique identifier for the accessor.

Type Union[Unset, str]

rank

Rank of this accessor against others for the same QPU. If two accessors both serve a client's purposes, that with the lower rank value should be used for access.

Type Union[Unset, int]

access_type

:qcs_api_client.models.quantum_processor_accessor_type.QuantumProcessorAccessorType

live :bool

url :str

id :Union[qcs_api_client.types.Unset, str]

rank :Union[qcs_api_client.types.Unset, int]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

qcs_api_client.models.quantum_processor_accessor_type

Module Contents

Classes

QuantumProcessorAccessorType

str(object='') -> str

```
class qcs_api_client.models.quantum_processor_accessor_type.QuantumProcessorAccessorType
    Bases: str, enum.Enum

    str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

    Create a new string object from the given object. If encoding or errors is specified, then the object must expose
    a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of
    object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to
    'strict'.

    Initialize self. See help(type(self)) for accurate signature.

    GATEWAY_V1 = gateway.v1

    __str__() -> str
        Return str(self).
```

qcs_api_client.models.remove_group_user_request

Module Contents

Classes

<i>RemoveGroupUserRequest</i>	Must provide either <i>userId</i> or <i>userEmail</i> and <i>groupId</i> or <i>groupName</i> .
-------------------------------	--

Attributes

<i>T</i>

qcs_api_client.models.remove_group_user_request.T

```
class qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest
    Must provide either userId or userEmail and groupId or groupName.

    group_id
        Type Union[Unset, str]

    group_name
        Type Union[Unset, str]

    user_email
        Type Union[Unset, str]

    user_id
        Type Union[Unset, str]

    group_id :Union[qcs_api_client.types.Unset, str]
```

```
group_name :Union[qcs_api_client.types.Unset, str]
user_email :Union[qcs_api_client.types.Unset, str]
user_id :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
```

`qcs_api_client.models.reservation`

Module Contents

Classes

Reservation

`qcs_api_client.models.reservation.
account_id`

Attributes

T

`qcs_api_client.models.reservation.T`

class `qcs_api_client.models.reservation.Reservation`

account_id

userId for *accountType* “user”, group name for *accountType* “group”.

Type `str`

account_type

There are two types of accounts within QCS: user (representing a single user in Okta) and group (representing one or more users in Okta).

Type *AccountType*


```

created_time
    Type datetime.datetime
end_time
    Type datetime.datetime
id
    Type int
price
    Type int
quantum_processor_id
    Type str
start_time
    Type datetime.datetime
user_id
    Deprecated in favor of accountId.
    Type str
cancellation_billing_invoice_item_id
    Type Union[Unset, str]
cancelled
    Type Union[Unset, bool]
creation_billing_invoice_item_id
    Type Union[Unset, str]
notes
    Type Union[Unset, str]
updated_time
    Type Union[Unset, datetime.datetime]
account_id :str
account_type :qcs_api_client.models.account_type.AccountType
created_time :datetime.datetime
end_time :datetime.datetime
id :int
price :int
quantum_processor_id :str
start_time :datetime.datetime

```

```
user_id :str
cancellation_billing_invoice_item_id :Union[qcs_api_client.types.Unset, str]
cancelled :Union[qcs_api_client.types.Unset, bool]
creation_billing_invoice_item_id :Union[qcs_api_client.types.Unset, str]
notes :Union[qcs_api_client.types.Unset, str]
updated_time :Union[qcs_api_client.types.Unset, datetime.datetime]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
```

`qcs_api_client.models.restart_endpoint_request`

Module Contents

Classes

RestartEndpointRequest

`qcs_api_client.models.restart_endpoint_request.component_name`

Attributes

T

`qcs_api_client.models.restart_endpoint_request.T`

`class qcs_api_client.models.restart_endpoint_request.RestartEndpointRequest`

component_name

Individual component to restart

Type Union[Unset, str]

```

component_name :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

```

`qcs_api_client.models.tier`

Module Contents

Classes

Tier

`qcs_api_client.models.tier.up_to`

Attributes

T

`qcs_api_client.models.tier.T`

class `qcs_api_client.models.tier.Tier`

up_to

A value of *-1* will imply that this tier is up to Infinity.

Type `int`

flat_amount

Type `Union[Unset, int]`

flat_amount_decimal

Type `Union[Unset, float]`

unit_amount

Type `Union[Unset, int]`

```
unit_amount_decimal
    Type Union[Unset, float]
up_to :int
flat_amount :Union[qcs_api_client.types.Unset, int]
flat_amount_decimal :Union[qcs_api_client.types.Unset, float]
unit_amount :Union[qcs_api_client.types.Unset, int]
unit_amount_decimal :Union[qcs_api_client.types.Unset, float]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
```

```
qcs_api_client.models.translate_native_quil_to_encrypted_binary_request
```

Module Contents

Classes

TranslateNativeQuilToEncryptedBinaryRequest

```
qcs_api_client.models.  
translate_native_quil_to_encrypted_binary_request.  
num_shots
```

Attributes

T

```
qcs_api_client.models.translate_native_quil_to_encrypted_binary_request.T
```

```
class qcs_api_client.models.translate_native_quil_to_encrypted_binary_request.  
TranslateNativeQuilToEncryptedBinaryRequest
```

num_shots

Number of iterations to execute on the control hardware

Type int

quil

The native Quil program to be translated for execution

Type str

settings_timestamp

ISO8601 timestamp of the latest settings to be used in translation. If omitted, latest settings will be used.

Type Union[Unset, str]

num_shots :int

quil :str

settings_timestamp :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

`qcs_api_client.models.translate_native_quil_to_encrypted_binary_response`

Module Contents

Classes

TranslateNativeQuilToEncryptedBinaryResponse

```
qcs_api_client.models.  
translate_native_quil_to_encrypted_binary_response.  
program
```

Attributes

T

`qcs_api_client.models.translate_native_quil_to_encrypted_binary_response.T`

`class qcs_api_client.models.translate_native_quil_to_encrypted_binary_response.
TranslateNativeQuilToEncryptedBinaryResponse`

program

Encrypted binary built for execution on the target quantum processor

Type `str`

memory_descriptors

Type `Union[Unset, TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors]`

ro_sources

Type `Union[Unset, List[List[str]]]`

settings_timestamp

ISO8601 timestamp of the settings used to translate the program. Translation is deterministic; a program translated twice with the same settings by the same version of the service will have identical output.

Type `Union[Unset, str]`

program :str

**memory_descriptors :Union[qcs_api_client.types.Unset, qcs_api_client.models.
translate_native_quil_to_encrypted_binary_response_memory_descriptors.
TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors]**

ro_sources :Union[qcs_api_client.types.Unset, List[List[str]]]

settings_timestamp :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

property additional_keys → `List[str]`

__getitem__(*key: str*) → `Any`

__setitem__(*key: str, value: Any*) → `None`

__delitem__(*key: str*) → `None`

__contains__(*key: str*) → `bool`

`qcs_api_client.models.translate_native_quil_to_encrypted_binary_response_memory_descriptors`

Module Contents

Classes

TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors

Attributes

T

`qcs_api_client.models.`
`translate_native_quil_to_encrypted_binary_response_memory_descriptors.T`

class `qcs_api_client.models.`
`translate_native_quil_to_encrypted_binary_response_memory_descriptors.`
TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors

additional_properties :`Dict[str, qcs_api_client.models.parameter_spec.ParameterSpec]`

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

property additional_keys → `List[str]`

__getitem__(*key: str*) → `qcs_api_client.models.parameter_spec.ParameterSpec`

__setitem__(*key: str, value: qcs_api_client.models.parameter_spec.ParameterSpec*) → `None`

__delitem__(*key: str*) → `None`

__contains__(*key: str*) → `bool`

`qcs_api_client.models.user`

Module Contents

Classes

User

`qcs_api_client.models.user.created_time`

Attributes

T

`qcs_api_client.models.user.T``class qcs_api_client.models.user.User``created_time``Type datetime.datetime``id``Type int``idp_id``Type str``profile``Type Union[Unset, UserProfile]``created_time :datetime.datetime``id :int``idp_id :str``profile :Union[qcs_api_client.types.Unset,
 qcs_api_client.models.user_profile.UserProfile]``additional_properties :Dict[str, Any]``to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]``classmethod from_dict(src_dict: Dict[str, Any]) → T``property additional_keys → List[str]``__getitem__(key: str) → Any``__setitem__(key: str, value: Any) → None``__delitem__(key: str) → None``__contains__(key: str) → bool`

`qcs_api_client.models.user_credentials`

Module Contents

Classes

UserCredentials

`qcs_api_client.models.user_credentials.
password`

Attributes

T

`qcs_api_client.models.user_credentials.T`

class `qcs_api_client.models.user_credentials.UserCredentials`

password

Type *UserCredentialsPassword*

password :`qcs_api_client.models.user_credentials_password.UserCredentialsPassword`

additional_properties :`Dict[str, Any]`

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

property additional_keys → `List[str]`

__getitem__(*key: str*) → `Any`

__setitem__(*key: str, value: Any*) → `None`

__delitem__(*key: str*) → `None`

__contains__(*key: str*) → `bool`

`qcs_api_client.models.user_credentials_password`

Module Contents

Classes

UserCredentialsPassword

qcs_api_client.models.
user_credentials_password.**value**

Attributes

T

qcs_api_client.models.user_credentials_password.T

class qcs_api_client.models.user_credentials_password.**UserCredentialsPassword**

value

Type str

value :str

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

qcs_api_client.models.user_profile

Module Contents

Classes

UserProfile

qcs_api_client.models.user_profile.**email**

Attributes

T

`qcs_api_client.models.user_profile.T`

`class qcs_api_client.models.user_profile.UserProfile`

`email`

`Type str`

`first_name`

`Type str`

`last_name`

`Type str`

`organization`

`Type str`

`email :str`

`first_name :str`

`last_name :str`

`organization :str`

`additional_properties :Dict[str, Any]`

`to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]`

`classmethod from_dict(src_dict: Dict[str, Any]) → T`

`property additional_keys → List[str]`

`__getitem__(key: str) → Any`

`__setitem__(key: str, value: Any) → None`

`__delitem__(key: str) → None`

`__contains__(key: str) → bool`

`qcs_api_client.models.validation_error`

Module Contents

Classes

*ValidationError**qcs_api_client.models.validation_error.in_*

Attributes

T

`qcs_api_client.models.validation_error.T``class qcs_api_client.models.validation_error.ValidationError``in_``Type ValidationErrorIn``message``Type str``path``Type Union[Unset, List[str]]``in_ :qcs_api_client.models.validation_error_in.ValidationErrorIn``message :str``path :Union[qcs_api_client.types.Unset, List[str]]``additional_properties :Dict[str, Any]``to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]``classmethod from_dict(src_dict: Dict[str, Any]) → T``property additional_keys → List[str]``__getitem__(key: str) → Any``__setitem__(key: str, value: Any) → None``__delitem__(key: str) → None``__contains__(key: str) → bool`

`qcs_api_client.models.validation_error_in`

Module Contents

Classes

<i>ValidationErrorIn</i>	<code>str(object="") -> str</code>
--------------------------	---------------------------------------

class `qcs_api_client.models.validation_error_in.ValidationErrorIn`

Bases: `str`, `enum.Enum`

`str(object="") -> str` `str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See `help(type(self))` for accurate signature.

HEADER = `header`

QUERY = `query`

PATH = `path`

BODY = `body`

`__str__()` → `str`
Return `str(self)`.

Package Contents

Classes

<i>AccountBalance</i>	Balance of QCS account in billing system. Note, a negative balance signifies that the account has QCS credits to
<i>AccountType</i>	<code>str(object="") -> str</code>
<i>AddGroupUserRequest</i>	Must provide either <i>userId</i> or <i>userEmail</i> and <i>groupId</i> or <i>groupName</i> .
<i>Architecture</i>	Represents the logical underlying architecture of a quantum processor.
<i>AuthEmailPasswordResetTokenRequest</i>	<code>qcs_api_client.models.email</code>
<i>AuthResetPasswordRequest</i>	<code>qcs_api_client.models.new_password</code>
<i>AuthResetPasswordWithTokenRequest</i>	Token may be requested with <i>AuthEmailPasswordResetToken</i> .

continues on next page

Table 1 – continued from previous page

<i>AvailableReservation</i>	<code>qcs_api_client.models.duration</code>
<i>BillingCustomer</i>	A representation of a QCS's account billing customer. Note, <i>balance</i> does not account for the upcoming invoice.
<i>BillingInvoice</i>	A finalized billing invoice.
<i>BillingInvoiceLine</i>	A line item on an invoice representing a particular purchase (such as a reservation) or aggregate usage for the
<i>BillingInvoiceLineLineItemType</i>	<code>str(object='') -> str</code>
<i>BillingInvoiceLineMetadata</i>	
<i>BillingInvoiceStatus</i>	<code>str(object='') -> str</code>
<i>BillingPrice</i>	The price schedule for a particular service applied to an invoice line item.
<i>BillingPriceObject</i>	<code>str(object='') -> str</code>
<i>BillingPricePriceType</i>	<code>str(object='') -> str</code>
<i>BillingPriceRecurrence</i>	The recurring components of a price such as <i>interval</i> and <i>usageType</i> .
<i>BillingPriceRecurrenceAggregateUsage</i>	<code>str(object='') -> str</code>
<i>BillingPriceRecurrenceInterval</i>	<code>str(object='') -> str</code>
<i>BillingPriceRecurrenceUsageType</i>	<code>str(object='') -> str</code>
<i>BillingPriceScheme</i>	<code>str(object='') -> str</code>
<i>BillingPriceTiersMode</i>	<code>str(object='') -> str</code>
<i>BillingProduct</i>	A QCS service product. This may represent one time (such as reservations) or metered services.
<i>BillingProductObject</i>	<code>str(object='') -> str</code>
<i>BillingUpcomingInvoice</i>	An unfinalized billing invoice.
<i>Characteristic</i>	A measured characteristic of an operation.
<i>CheckClientApplicationRequest</i>	<code>qcs_api_client.models.name</code>
<i>CheckClientApplicationResponse</i>	<code>qcs_api_client.models.is_latest_version</code>
<i>ChecksumDescription</i>	<code>qcs_api_client.models.header_name</code>
<i>ChecksumDescriptionType</i>	<code>str(object='') -> str</code>
<i>ClientApplication</i>	<code>qcs_api_client.models.latest_version</code>
<i>ClientApplicationsDownloadLink</i>	<code>qcs_api_client.models.url</code>
<i>CreateEndpointParameters</i>	A publicly available set of parameters for defining an endpoint.

continues on next page

Table 1 – continued from previous page

<i>CreateEngagementRequest</i>	<code>qcs_api_client.models.account_id</code>
<i>CreateReservationRequest</i>	<code>qcs_api_client.models.end_time</code>
<i>Dictionary</i>	Generic, arbitrary Dictionary
<i>Edge</i>	A degree-two logical connection in the quantum processor's architecture.
<i>Endpoint</i>	An Endpoint is the entry point for remote access to a QuantumProcessor.
<i>EndpointAddresses</i>	Addresses at which an endpoint is reachable over the network.
<i>EngagementCredentials</i>	Credentials are the ZeroMQ CURVE Keys used to encrypt the connection with the Quantum Processor
<i>EngagementWithCredentials</i>	An engagement is the authorization of a user to execute work on a Quantum Processor Endpoint.
<i>Error</i>	<code>qcs_api_client.models.code</code>
<i>Family</i>	<code>str(object='') -> str</code>
<i>FindAvailableReservationsResponse</i>	<code>qcs_api_client.models.available_reservations</code>
<i>GetQuiltCalibrationsResponse</i>	<code>qcs_api_client.models.quilt</code>
<i>Group</i>	<code>qcs_api_client.models.created_time</code>
<i>Health</i>	<code>qcs_api_client.models.status</code>
<i>InstructionSetArchitecture</i>	The native instruction set architecture of a quantum processor, annotated with characteristics.
<i>InviteUserRequest</i>	<code>qcs_api_client.models.email</code>
<i>ListAccountBillingInvoiceLinesResponse</i>	<code>qcs_api_client.models.billing_invoice_lines</code>
<i>ListAccountBillingInvoicesResponse</i>	<code>qcs_api_client.models.billing_invoices</code>

continues on next page

Table 1 – continued from previous page

<i>ListClientApplicationsResponse</i>	<code>qcs_api_client.models.client_applications</code>
<i>ListEndpointsResponse</i>	<code>qcs_api_client.models.endpoints</code>
<i>ListGroupUsersResponse</i>	<code>qcs_api_client.models.users</code>
<i>ListGroupsResponse</i>	<code>qcs_api_client.models.groups</code>
<i>ListQuantumProcessorAccessorsResponse</i>	<code>qcs_api_client.models.accessors</code>
<i>ListQuantumProcessorsResponse</i>	<code>qcs_api_client.models.quantum_processors</code>
<i>ListReservationsResponse</i>	<code>qcs_api_client.models.next_page_token</code>
<i>Node</i>	A logical node in the quantum processor's architecture.
<i>NomadJobDatacenters</i>	<code>str(object=)</code> -> str
<i>Operation</i>	An operation, with its sites and site-independent characteristics.
<i>OperationSite</i>	A site for an operation, with its site-dependent characteristics.
<i>Parameter</i>	A parameter to an operation.
<i>ParameterSpec</i>	<code>qcs_api_client.models.length</code>
<i>QuantumProcessor</i>	<code>qcs_api_client.models.id</code>
<i>QuantumProcessorAccessor</i>	Method of accessing an available QPU.
<i>QuantumProcessorAccessorType</i>	<code>str(object=)</code> -> str
<i>RemoveGroupUserRequest</i>	Must provide either <i>userId</i> or <i>userEmail</i> and <i>groupId</i> or <i>groupName</i> .
<i>Reservation</i>	<code>qcs_api_client.models.account_id</code>
<i>RestartEndpointRequest</i>	<code>qcs_api_client.models.component_name</code>
<i>Tier</i>	<code>qcs_api_client.models.up_to</code>

continues on next page

Table 1 – continued from previous page

<i>TranslateNativeQuilToEncryptedBinaryRequest</i>	<code>qcs_api_client.models.num_shots</code>
<i>TranslateNativeQuilToEncryptedBinaryResponse</i>	<code>qcs_api_client.models.program</code>
<i>TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors</i>	
<i>User</i>	<code>qcs_api_client.models.created_time</code>
<i>UserCredentials</i>	<code>qcs_api_client.models.password</code>
<i>UserCredentialsPassword</i>	<code>qcs_api_client.models.value</code>
<i>UserProfile</i>	<code>qcs_api_client.models.email</code>
<i>ValidationError</i>	<code>qcs_api_client.models.in_</code>
<i>ValidationErrorIn</i>	<code>str(object='') -> str</code>

class qcs_api_client.models.AccountBalance

Balance of QCS account in billing system. Note, a negative balance signifies that the account has QCS credits to spend. A positive account balance signifies that the account has no additional QCS credits to spend. The QCS UI may display these quantities in absolute or negative value and provide a clear meaning to the significance.

Attributes: balance (int): The balance in cents USD.

balance :int

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.AccountType

Bases: str, enum.Enum

`str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str`

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of `object.__str__()` (if defined) or `repr(object)`. encoding defaults to `sys.getdefaultencoding()`. errors defaults to 'strict'.

Initialize self. See `help(type(self))` for accurate signature.

GROUP = group

USER = user

__str__() → str

Return `str(self)`.

class qcs_api_client.models.AddGroupUserRequest

Must provide either *userId* or *userEmail* and *groupId* or *groupName*.

group_id

Type Union[Unset, str]

group_name

Type Union[Unset, str]

user_email

Type Union[Unset, str]

user_id

Type Union[Unset, str]

group_id :Union[qcs_api_client.types.Unset, str]

group_name :Union[qcs_api_client.types.Unset, str]

user_email :Union[qcs_api_client.types.Unset, str]

user_id :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.Architecture

Represents the logical underlying architecture of a quantum processor.

The architecture is defined in detail by the nodes and edges that constitute the quantum processor. This defines the set of all nodes that could be operated upon, and indicates to some approximation their physical layout. The main purpose of this is to support geometry calculations that are independent of the available operations, and rendering ISA-based information. Architecture layouts are defined by the *family*, as follows.

The “Aspen” family of quantum processor indicates a 2D planar grid layout of octagon unit cells. The *node_id* in this architecture is computed as $100p_y + 10p_x + p_u$ where p_y is the zero-based Y position in the unit cell grid, p_x is the zero-based X position in the unit cell grid, and p_u is the zero-based position in the octagon unit cell and always ranges from 0 to 7. This scheme has a natural size limit of a 10x10 unit cell grid, which permits the architecture to scale up to 800 nodes.

Note that the operations that are actually available are defined entirely by *Operation* instances. The presence of a node or edge in the *Architecture* model provides no guarantee that any 1Q or 2Q operation will be available to users writing QUIL programs.

Attributes: edges (List[Edge]): A list of all computational edges in the instruction set architecture.
family (Family): Family identifier.

Value ‘None’ implies the architecture has no specific layout topology. Value ‘Full’ implies that each node is connected to every other (a fully-connected architecture)

For other values based on deployed architecture layouts (e.g. *Aspen* and *Ankaa*), refer to the architecture classes themselves for more details.

nodes (List[Node]): A list of all computational nodes in the instruction set architecture.

edges :List[qcs_api_client.models.edge.Edge]

family :qcs_api_client.models.family.Family

nodes :List[qcs_api_client.models.node.Node]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

class qcs_api_client.models.AuthEmailPasswordResetTokenRequest

email

Type str

email :str

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

```
    __contains__(key: str) → bool

class qcs_api_client.models.AuthResetPasswordRequest
    new_password
        Type str
    old_password
        Type str
    new_password :str
    old_password :str
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool

class qcs_api_client.models.AuthResetPasswordWithTokenRequest
    Token may be requested with AuthEmailPasswordResetToken.
    new_password
        Type str
    token
        Type str
    new_password :str
    token :str
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool
```

```
class qcs_api_client.models.AvailableReservation
```

```
    duration
```

```
        Type str
```

```
    end_time
```

```
        Type datetime.datetime
```

```
    price
```

```
        Type int
```

```
    quantum_processor_id
```

```
        Type str
```

```
    start_time
```

```
        Type datetime.datetime
```

```
    duration :str
```

```
    end_time :datetime.datetime
```

```
    price :int
```

```
    quantum_processor_id :str
```

```
    start_time :datetime.datetime
```

```
    additional_properties :Dict[str, Any]
```

```
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
```

```
    classmethod from_dict(src_dict: Dict[str, Any]) → T
```

```
    property additional_keys → List[str]
```

```
    __getitem__(key: str) → Any
```

```
    __setitem__(key: str, value: Any) → None
```

```
    __delitem__(key: str) → None
```

```
    __contains__(key: str) → bool
```

```
class qcs_api_client.models.BillingCustomer
```

A representation of a QCS's account billing customer. Note, *balance* does not account for the upcoming invoice.

```
    email
```

```
        Type str
```

```
    id
```

```
        Type str
```

```
    email :str
```

```
    id :str
```

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict: Dict[str, Any]*) → T

property additional_keys → List[str]

__getitem__(*key: str*) → Any

__setitem__(*key: str, value: Any*) → None

__delitem__(*key: str*) → None

__contains__(*key: str*) → bool

class qcs_api_client.models.**BillingInvoice**

A finalized billing invoice.

period_end

Type datetime.datetime

period_start

Type datetime.datetime

starting_balance

Type int

status

Type *BillingInvoiceStatus*

subtotal

Type int

tax

Type int

total

Type int

id

Type str

period_end :datetime.datetime

period_start :datetime.datetime

starting_balance :int

status :qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus

subtotal :int

tax :int

```

total :int

id :str

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

```

class qcs_api_client.models.BillingInvoiceLine

A line item on an invoice representing a particular purchase (such as a reservation) or aggregate usage for the invoice period.

Attributes: amount (int): description (str): id (str): line_item_type (BillingInvoiceLineLineItemType): metadata (BillingInvoiceLineMetadata): quantity (int): invoice_item (Union[Unset, str]): price (Union[Unset, BillingPrice]): The price schedule for a particular service applied to an invoice line item. subscription (Union[Unset, str]): subscription_item (Union[Unset, str]):

```

amount :int

description :str

id :str

line_item_type :qcs_api_client.models.billing_invoice_line_line_item_type.
BillingInvoiceLineLineItemType

metadata
:qcs_api_client.models.billing_invoice_line_metadata.BillingInvoiceLineMetadata

quantity :int

invoice_item :Union[qcs_api_client.types.Unset, str]

price :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price.BillingPrice]

subscription :Union[qcs_api_client.types.Unset, str]

subscription_item :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

```

```
__getitem__(key: str) → Any  
__setitem__(key: str, value: Any) → None  
__delitem__(key: str) → None  
__contains__(key: str) → bool
```

class qcs_api_client.models.BillingInvoiceLineItemType

Bases: str, enum.Enum

str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

INVOICEITEM = **invoiceitem**

SUBSCRIPTION = **subscription**

```
__str__() → str  
Return str(self).
```

class qcs_api_client.models.BillingInvoiceLineMetadata

additional_properties :Dict[str, str]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

```
__getitem__(key: str) → str  
__setitem__(key: str, value: str) → None  
__delitem__(key: str) → None  
__contains__(key: str) → bool
```

class qcs_api_client.models.BillingInvoiceStatus

Bases: str, enum.Enum

str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

DRAFT = **draft**

OPEN = **open**

PAID = paid

UNCOLLECTIBLE = uncollectible

VOID = void

__str__() → str
Return str(self).

class qcs_api_client.models.BillingPrice

The price schedule for a particular service applied to an invoice line item.

id

Unique identifier for the object.

Type str

active

Whether the price can be used for new purchases.

Type Union[Unset, bool]

billing_scheme

Describes how to compute the price per period. Either *per_unit* or *tiered*. *per_unit* indicates that the fixed amount (specified in *unitAmount* or *unitAmountDecimal*) will be charged per unit in *quantity* (for prices with *usageType=licensed*), or per unit of total usage (for prices with *usageType=metered*). *tiered* indicates that the unit pricing will be computed using a tiering strategy as defined using the *tiers* and *tiersMode* attributes.

Type Union[Unset, [BillingPriceScheme](#)]

object_

String representing the object's type. Objects of the same type share the same value.

Type Union[Unset, [BillingPriceObject](#)]

price_type

One of *one_time* or *recurring* depending on whether the price is for a one-time purchase or a recurring (subscription) purchase.

Type Union[Unset, [BillingPricePriceType](#)]

product

A QCS service product. This may represent one time (such as reservations) or metered services.

Type Union[Unset, [BillingProduct](#)]

recurring

The recurring components of a price such as *interval* and *usageType*.

Type Union[Unset, [BillingPriceRecurrence](#)]

tiers

Each element represents a pricing tier. This parameter requires *billingScheme* to be set to *tiered*. See also the documentation for *billingScheme*.

Type Union[Unset, List[[Tier](#)]]

tiers_mode

Defines if the tiering price should be *graduated* or *volume* based. In *volume*-based tiering, the maximum quantity within a period determines the per unit price, in *graduated* tiering pricing can successively change as the quantity grows.

Type Union[Unset, *BillingPriceTiersMode*]

unit_amount_decimal

The unit amount in *currency* to be charged. Only set if *billingScheme=per_unit*.

Type Union[Unset, float]

id :str

active :Union[qcs_api_client.types.Unset, bool]

billing_scheme :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_scheme.BillingPriceScheme]

object_ :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_object.BillingPriceObject]

price_type :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_price_type.BillingPricePriceType]

product :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_product.BillingProduct]

recurring :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence]

tiers :Union[qcs_api_client.types.Unset, List[qcs_api_client.models.tier.Tier]]

tiers_mode :Union[qcs_api_client.types.Unset,
qcs_api_client.models.billing_price_tiers_mode.BillingPriceTiersMode]

unit_amount_decimal :Union[qcs_api_client.types.Unset, float]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.BillingPriceObject

Bases: str, enum.Enum

str(object=”) -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of

object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

PRICE = price

__str__() → str

Return str(self).

class qcs_api_client.models.BillingPricePriceType

Bases: str, enum.Enum

str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

ONE_TIME = one_time

RECURRING = recurring

__str__() → str

Return str(self).

class qcs_api_client.models.BillingPriceRecurrence

The recurring components of a price such as *interval* and *usageType*.

interval

Type *BillingPriceRecurrenceInterval*

aggregate_usage

Type Union[Unset, *BillingPriceRecurrenceAggregateUsage*]

interval_count

Type Union[Unset, int]

usage_type

Type Union[Unset, *BillingPriceRecurrenceUsageType*]

interval :qcs_api_client.models.billing_price_recurrence_interval.
BillingPriceRecurrenceInterval

aggregate_usage :Union[qcs_api_client.types.Unset, qcs_api_client.models.
billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsage]

interval_count :Union[qcs_api_client.types.Unset, int]

usage_type :Union[qcs_api_client.types.Unset, qcs_api_client.models.
billing_price_recurrence_usage_type.BillingPriceRecurrenceUsageType]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: *Optional*[*Callable*[[*Any*], *bool*]] = *is_not_none*) → *Dict*[*str*, *Any*]

classmethod from_dict(*src_dict*: *Dict*[*str*, *Any*]) → *T*

property additional_keys → *List*[*str*]

__getitem__(*key*: *str*) → *Any*

__setitem__(*key*: *str*, *value*: *Any*) → *None*

__delitem__(*key*: *str*) → *None*

__contains__(*key*: *str*) → *bool*

class qcs_api_client.models.BillingPriceRecurrenceAggregateUsage

Bases: *str*, *enum.Enum*

str(*object*=) -> *str* *str*(*bytes_or_buffer*[, *encoding*[, *errors*]]) -> *str*

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of *object.__str__*() (if defined) or *repr(object)*. encoding defaults to *sys.getdefaultencoding()*. errors defaults to 'strict'.

Initialize self. See *help(type(self))* for accurate signature.

LAST_DURING_PERIOD = *last_during_period*

LAST_EVER = *last_ever*

MAX = *max*

SUM = *sum*

__str__() → *str*

Return *str(self)*.

class qcs_api_client.models.BillingPriceRecurrenceInterval

Bases: *str*, *enum.Enum*

str(*object*=) -> *str* *str*(*bytes_or_buffer*[, *encoding*[, *errors*]]) -> *str*

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of *object.__str__*() (if defined) or *repr(object)*. encoding defaults to *sys.getdefaultencoding()*. errors defaults to 'strict'.

Initialize self. See *help(type(self))* for accurate signature.

DAY = *day*

MONTH = *month*

WEEK = *week*

YEAR = *year*

__str__() → *str*

Return *str(self)*.

class qcs_api_client.models.BillingPriceRecurrenceUsageType

Bases: str, enum.Enum

str(object=”) -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

LICENSED = licensed**METERED = metered****__str__()** → str

Return str(self).

class qcs_api_client.models.BillingPriceScheme

Bases: str, enum.Enum

str(object=”) -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

PER_UNIT = per_unit**TIERED = tiered****__str__()** → str

Return str(self).

class qcs_api_client.models.BillingPriceTiersMode

Bases: str, enum.Enum

str(object=”) -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

GRADUATED = graduated**VOLUME = volume****__str__()** → str

Return str(self).

class qcs_api_client.models.BillingProduct

A QCS service product. This may represent one time (such as reservations) or metered services.

id

Unique identifier for the object.

Type str**name**

This name will show up on associated invoice line item descriptions.

Type str**object_**

String representing the object's type. Objects of the same type share the same value.

Type *BillingProductObject***description****Type** Union[Unset, str]**unit_label**

A label that represents units of this product. When set, this will be included in associated invoice line item descriptions.

Type Union[Unset, str]**id :str****name :str****object_ :qcs_api_client.models.billing_product_object.BillingProductObject****description :Union[qcs_api_client.types.Unset, str]****unit_label :Union[qcs_api_client.types.Unset, str]****additional_properties :Dict[str, Any]****to_dict**(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]**classmethod from_dict**(*src_dict: Dict[str, Any]*) → T**property additional_keys** → List[str]**__getitem__**(*key: str*) → Any**__setitem__**(*key: str, value: Any*) → None**__delitem__**(*key: str*) → None**__contains__**(*key: str*) → bool**class** qcs_api_client.models.**BillingProductObject**

Bases: str, enum.Enum

str(object=”) -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

```

PRODUCT = product

__str__() → str
    Return str(self).

class qcs_api_client.models.BillingUpcomingInvoice
    An unfinalized billing invoice.

    period_end
        Type datetime.datetime

    period_start
        Type datetime.datetime

    starting_balance
        Type int

    status
        Type BillingInvoiceStatus

    subtotal
        Type int

    tax
        Type int

    total
        Type int

    period_end :datetime.datetime
    period_start :datetime.datetime
    starting_balance :int
    status :qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus
    subtotal :int
    tax :int
    total :int
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None

```

__contains__(key: str) → bool

class qcs_api_client.models.Characteristic

A measured characteristic of an operation.

name

The name of the characteristic.

Type str

timestamp

The date and time at which the characteristic was measured.

Type datetime.datetime

value

The characteristic value measured.

Type float

error

The error in the characteristic value, or None otherwise.

Type Union[Unset, float]

node_ids

The list of architecture node ids for the site where the characteristic is measured, if that is different from the site of the enclosing operation. None if it is the same. The order of this or the enclosing node ids obey the definition of node symmetry from the enclosing operation.

Type Union[Unset, List[int]]

parameter_values

The optional ordered list of parameter values used to generate the characteristic. The order matches the parameters in the enclosing operation, and so the lengths of these two lists must match.

Type Union[Unset, List[float]]

name :str

timestamp :datetime.datetime

value :float

error :Union[qcs_api_client.types.Unset, float]

node_ids :Union[qcs_api_client.types.Unset, List[int]]

parameter_values :Union[qcs_api_client.types.Unset, List[float]]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

class qcs_api_client.models.CheckClientApplicationRequest

name

Name of component

Type str

version

Semantic version of component.

Type str

name :str

version :str

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.**CheckClientApplicationResponse**

is_latest_version

Type bool

is_update_required

Set to true if component is not at latest version.

Type bool

message

Type str

is_latest_version :bool

is_update_required :bool

message :str

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

```
class qcs_api_client.models.ChecksumDescription
```

```
    header_name
```

```
        Type str
```

```
    type
```

```
        Type ChecksumDescriptionType
```

```
    header_name :str
```

```
    type :qcs_api_client.models.checksum_description_type.ChecksumDescriptionType
```

```
    additional_properties :Dict[str, Any]
```

```
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
```

```
    classmethod from_dict(src_dict: Dict[str, Any]) → T
```

```
    property additional_keys → List[str]
```

```
    __getitem__(key: str) → Any
```

```
    __setitem__(key: str, value: Any) → None
```

```
    __delitem__(key: str) → None
```

```
    __contains__(key: str) → bool
```

```
class qcs_api_client.models.ChecksumDescriptionType
```

```
    Bases: str, enum.Enum
```

```
    str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str
```

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

```
    MD5 = md5
```

```
    __str__() → str
```

```
        Return str(self).
```

```
class qcs_api_client.models.ClientApplication
```

```
    latest_version
```

```
        Semantic version
```

```
        Type str
```

```
    name
```

```
        Type str
```

```
    supported
```

```
        Type bool
```

```

details_uri
    Type Union[Unset, str]
links
    Type Union[Unset, List[ClientApplicationsDownloadLink]]
minimum_version
    Semantic version
    Type Union[Unset, str]
latest_version :str
name :str
supported :bool
details_uri :Union[qcs_api_client.types.Unset, str]
links :Union[qcs_api_client.types.Unset, List[qcs_api_client.models.
client_applications_download_link.ClientApplicationsDownloadLink]]
minimum_version :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
class qcs_api_client.models.ClientApplicationsDownloadLink
    url
        Type str
    checksum_description
        Type Union[Unset, ChecksumDescription]
    platform
        Type Union[Unset, str]
    url :str
    checksum_description :Union[qcs_api_client.types.Unset,
qcs_api_client.models.checksum_description.ChecksumDescription]
    platform :Union[qcs_api_client.types.Unset, str]

```

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.CreateEndpointParameters

A publicly available set of parameters for defining an endpoint.

datacenters

Which datacenters are available for endpoint placement. Defaults to berkeley-775

Type Union[Unset, List[NomadJobDatacenters]]

quantum_processor_ids

Public identifiers for quantum processors served by this endpoint.

Type Union[Unset, List[str]]

datacenters :Union[qcs_api_client.types.Unset,
List[qcs_api_client.models.nomad_job_datacenters.NomadJobDatacenters]]

quantum_processor_ids :Union[qcs_api_client.types.Unset, List[str]]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.CreateEngagementRequest

account_id

Either the client's user ID or the name of a group on behalf of which the client wishes to engage. This value will override any values set in the headers.

Type Union[Unset, str]

account_type

There are two types of accounts within QCS: user (representing a single user in Okta) and group (representing one or more users in Okta).

Type Union[Unset, *AccountType*]

endpoint_id

Unique, opaque identifier for the endpoint

Type Union[Unset, str]

quantum_processor_id

Public identifier for a quantum processor [example: Aspen-1]

Type Union[Unset, str]

tags

Tags recorded on QPU requests, which reporting services may later use for querying usage records.

Type Union[Unset, List[str]]

account_id :Union[qcs_api_client.types.Unset, str]

account_type :Union[qcs_api_client.types.Unset, qcs_api_client.models.account_type.AccountType]

endpoint_id :Union[qcs_api_client.types.Unset, str]

quantum_processor_id :Union[qcs_api_client.types.Unset, str]

tags :Union[qcs_api_client.types.Unset, List[str]]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.CreateReservationRequest

end_time

Type datetime.datetime

quantum_processor_id

Type str

start_time

Type datetime.datetime

account_id

userId for *accountType* “user”, group name for *accountType* “group”.

Type Union[Unset, str]

account_type

There are two types of accounts within QCS: user (representing a single user in Okta) and group (representing one or more users in Okta).

Type Union[Unset, *AccountType*]

notes

Type Union[Unset, str]

end_time :datetime.datetime

quantum_processor_id :str

start_time :datetime.datetime

account_id :Union[qcs_api_client.types.Unset, str]

account_type :Union[qcs_api_client.types.Unset,
qcs_api_client.models.account_type.AccountType]

notes :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.Dictionary

Generic, arbitrary Dictionary

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

`__contains__(key: str) → bool`

class qcs_api_client.models.Edge

A degree-two logical connection in the quantum processor's architecture.

The existence of an edge in the *ISA Architecture* does not necessarily mean that a given 2Q operation will be available on the edge. This information is conveyed by the presence of the two *node_id* values in instances of *Instruction*.

Note that edges are undirected in this model. Thus edge (a, b) is equivalent to edge (b, a) .

Attributes:

node_ids (List[int]): The integer ids of the computational nodes at the two ends of the edge. Order is not important; an architecture edge is treated as undirected.

node_ids :List[int]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

class qcs_api_client.models.Endpoint

An Endpoint is the entry point for remote access to a QuantumProcessor.

addresses

Addresses at which an endpoint is reachable over the network.

Type *EndpointAddresses*

healthy

Whether the endpoint is operating as intended

Type bool

id

Unique, opaque identifier for the endpoint

Type str

mock

Whether the endpoint serves simulated or substituted data for testing purposes

Type bool

address

Network address at which the endpoint is locally reachable

Type Union[Unset, None, str]

datacenter

Datacenter within which the endpoint is deployed

Type Union[Unset, str]

quantum_processor_ids

Public identifiers for quantum processors served by this endpoint.

Type Union[Unset, List[str]]

addresses :qcs_api_client.models.endpoint_addresses.EndpointAddresses

```
    healthy :bool
    id :str
    mock :bool
    address :Union[qcs_api_client.types.Unset, None, str]
    datacenter :Union[qcs_api_client.types.Unset, str]
    quantum_processor_ids :Union[qcs_api_client.types.Unset, List[str]]
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool

class qcs_api_client.models.EndpointAddresses
    Addresses at which an endpoint is reachable over the network.

    grpc
        Type Union[Unset, str]

    rpcq
        Type Union[Unset, str]

    grpc :Union[qcs_api_client.types.Unset, str]
    rpcq :Union[qcs_api_client.types.Unset, str]
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool
```


class qcs_api_client.models.EngagementCredentials

Credentials are the ZeroMQ CURVE Keys used to encrypt the connection with the Quantum Processor Endpoint.

Attributes: client_public (str): client_secret (str): server_public (str):

client_public :str

client_secret :str

server_public :str

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

class qcs_api_client.models.EngagementWithCredentials

An engagement is the authorization of a user to execute work on a Quantum Processor Endpoint.

address

The network address of the endpoint to which this engagement grants access

Type str

credentials

Credentials are the ZeroMQ CURVE Keys used to encrypt the connection with the Quantum Processor Endpoint.

Type *EngagementCredentials*

endpoint_id

The ID of the endpoint to which this engagement grants access

Type str

expires_at

Time after which the engagement is no longer valid. Given in RFC3339 format.

Type str

user_id

Type str

account_id

User ID or group name on behalf of which the engagement is made.

Type Union[Unset, str]

account_type

There are two types of accounts within QCS: user (representing a single user in Okta) and group (representing one or more users in Okta).

Type Union[Unset, *AccountType*]

minimum_priority

The minimum priority value allowed for execution

Type Union[Unset, int]

quantum_processor_ids

The quantum processors for which this engagement enables access and execution

Type Union[Unset, List[str]]

tags

Tags recorded on QPU requests and recorded on usage records.

Type Union[Unset, List[str]]

address :str

credentials :qcs_api_client.models.engagement_credentials.EngagementCredentials

endpoint_id :str

expires_at :str

user_id :str

account_id :Union[qcs_api_client.types.Unset, str]

account_type :Union[qcs_api_client.types.Unset, qcs_api_client.models.account_type.AccountType]

minimum_priority :Union[qcs_api_client.types.Unset, int]

quantum_processor_ids :Union[qcs_api_client.types.Unset, List[str]]

tags :Union[qcs_api_client.types.Unset, List[str]]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict: Dict[str, Any]*) → T

property additional_keys → List[str]

__getitem__(*key: str*) → Any

__setitem__(*key: str, value: Any*) → None

__delitem__(*key: str*) → None

__contains__(*key: str*) → bool

class qcs_api_client.models.Error

```

code
    Type str
message
    Type str
request_id
    Type str
validation_errors
    Type Union[Unset, List[ValidationError]]
code :str
message :str
request_id :str
validation_errors :Union[qcs_api_client.types.Unset,
List[qcs_api_client.models.validation_error.ValidationError]]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool
class qcs_api_client.models.Family
    Bases: str, enum.Enum
    str(object=”) -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

    Create a new string object from the given object. If encoding or errors is specified, then the object must expose
    a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of
    object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to
    ‘strict’.

    Initialize self. See help(type(self)) for accurate signature.

    NONE = None
    FULL = Full
    ASPEN = Aspen
    ANKAA = Ankaa

```

```
__str__() → str  
    Return str(self).
```

```
class qcs_api_client.models.FindAvailableReservationsResponse
```

```
    available_reservations
```

```
        Type List[AvailableReservation]
```

```
    next_page_token
```

```
        Type Union[Unset, str]
```

```
    available_reservations
```

```
    :List[qcs_api_client.models.available_reservation.AvailableReservation]
```

```
    next_page_token :Union[qcs_api_client.types.Unset, str]
```

```
    additional_properties :Dict[str, Any]
```

```
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
```

```
    classmethod from_dict(src_dict: Dict[str, Any]) → T
```

```
    property additional_keys → List[str]
```

```
    __getitem__(key: str) → Any
```

```
    __setitem__(key: str, value: Any) → None
```

```
    __delitem__(key: str) → None
```

```
    __contains__(key: str) → bool
```

```
class qcs_api_client.models.GetQuiltCalibrationsResponse
```

```
    quilt
```

```
        Calibrations suitable for use in a Quil-T program
```

```
        Type str
```

```
    settings_timestamp
```

```
        ISO8601 timestamp of the settings used to generate these calibrations
```

```
        Type Union[Unset, str]
```

```
    quilt :str
```

```
    settings_timestamp :Union[qcs_api_client.types.Unset, str]
```

```
    additional_properties :Dict[str, Any]
```

```
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
```

```
    classmethod from_dict(src_dict: Dict[str, Any]) → T
```

```
    property additional_keys → List[str]
```

```
    __getitem__(key: str) → Any
```

```
    __setitem__(key: str, value: Any) → None
```

```

    __delitem__(key: str) → None
    __contains__(key: str) → bool
class qcs_api_client.models.Group
    created_time
        Type datetime.datetime
    description
        Type str
    id
        Type str
    last_membership_updated_time
        Type datetime.datetime
    name
        Type str
    updated_time
        Type datetime.datetime
    created_time :datetime.datetime
    description :str
    id :str
    last_membership_updated_time :datetime.datetime
    name :str
    updated_time :datetime.datetime
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool
class qcs_api_client.models.Health

```

status

Example: PASS.

Type str

status :str

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.**InstructionSetArchitecture**

The native instruction set architecture of a quantum processor, annotated with characteristics.

The operations described by the *instructions* field are named by their QUIL instruction name, while the operation described by the *benchmarks* field are named by their benchmark routine and are a future extension point that will be populated in future iterations.

The characteristics that annotate both instructions and benchmarks assist the user to generate the best native QUIL program for a desired task, and so are provided as part of the native ISA.

Attributes: *architecture* (Architecture): Represents the logical underlying architecture of a quantum processor.

The architecture is defined in detail by the nodes and edges that constitute the quantum processor. This defines the set of all nodes that could be operated upon, and indicates to some approximation their physical layout. The main purpose of this is to support geometry calculations that are independent of the available operations, and rendering ISA-based information. Architecture layouts are defined by the *family*, as follows.

The “Aspen” family of quantum processor indicates a 2D planar grid layout of octagon unit cells. The *node_id* in this architecture is computed as $100p_y + 10p_x + p_u$ where p_y is the zero-based Y position in the unit cell grid, p_x is the zero-based X position in the unit cell grid, and p_u is the zero-based position in the octagon unit cell and always ranges from 0 to 7. This scheme has a natural size limit of a 10x10 unit cell grid, which permits the architecture to scale up to 800 nodes.

Note that the operations that are actually available are defined entirely by *Operation* instances. The presence of a node or edge in the *Architecture* model provides no guarantee that any 1Q or 2Q operation will be available to users writing QUIL programs.

benchmarks (List[Operation]): The list of benchmarks that have characterized the quantum processor. *instructions* (List[Operation]): The list of native QUIL instructions supported by the quantum processor. *name* (str): The name of the quantum processor.

architecture :qcs_api_client.models.architecture.Architecture

benchmarks :List[qcs_api_client.models.operation.Operation]

```

    instructions :List[qcs_api_client.models.operation.Operation]

    name :str

    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

    classmethod from_dict(src_dict: Dict[str, Any]) → T

class qcs_api_client.models.InviteUserRequest

    email

        Type str

    group_name

        Type Union[Unset, str]

    email :str

    group_name :Union[qcs_api_client.types.Unset, str]

    additional_properties :Dict[str, Any]

    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

    classmethod from_dict(src_dict: Dict[str, Any]) → T

    property additional_keys → List[str]

    __getitem__(key: str) → Any

    __setitem__(key: str, value: Any) → None

    __delitem__(key: str) → None

    __contains__(key: str) → bool

class qcs_api_client.models.ListAccountBillingInvoiceLinesResponse

    billing_invoice_lines

        Type List[BillingInvoiceLine]

    next_page_token

        Type Union[Unset, str]

    billing_invoice_lines
    :List[qcs_api_client.models.billing_invoice_line.BillingInvoiceLine]

    next_page_token :Union[qcs_api_client.types.Unset, str]

    additional_properties :Dict[str, Any]

    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

    classmethod from_dict(src_dict: Dict[str, Any]) → T

    property additional_keys → List[str]

    __getitem__(key: str) → Any

```

```
__setitem__(key: str, value: Any) → None
```

```
__delitem__(key: str) → None
```

```
__contains__(key: str) → bool
```

```
class qcs_api_client.models.ListAccountBillingInvoicesResponse
```

```
    billing_invoices
```

```
        Type List[BillingInvoice]
```

```
    next_page_token
```

```
        Type Union[Unset, str]
```

```
    billing_invoices :List[qcs_api_client.models.billing_invoice.BillingInvoice]
```

```
    next_page_token :Union[qcs_api_client.types.Unset, str]
```

```
    additional_properties :Dict[str, Any]
```

```
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
```

```
    classmethod from_dict(src_dict: Dict[str, Any]) → T
```

```
    property additional_keys → List[str]
```

```
    __getitem__(key: str) → Any
```

```
    __setitem__(key: str, value: Any) → None
```

```
    __delitem__(key: str) → None
```

```
    __contains__(key: str) → bool
```

```
class qcs_api_client.models.ListClientApplicationsResponse
```

```
    client_applications
```

```
        Type List[ClientApplication]
```

```
    client_applications
```

```
    :List[qcs_api_client.models.client_application.ClientApplication]
```

```
    additional_properties :Dict[str, Any]
```

```
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
```

```
    classmethod from_dict(src_dict: Dict[str, Any]) → T
```

```
    property additional_keys → List[str]
```

```
    __getitem__(key: str) → Any
```

```
    __setitem__(key: str, value: Any) → None
```

```
    __delitem__(key: str) → None
```

```
    __contains__(key: str) → bool
```



```

class qcs_api_client.models.ListEndpointsResponse
    endpoints
        Type List[Endpoint]
    next_page_token
        Opaque token indicating the start of the next page of results to return; do not decode
        Type Union[Unset, str]
    endpoints :List[qcs_api_client.models.endpoint.Endpoint]
    next_page_token :Union[qcs_api_client.types.Unset, str]
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool

class qcs_api_client.models.ListGroupUsersResponse
    users
        Type List[User]
    next_page_token
        Type Union[Unset, str]
    users :List[qcs_api_client.models.user.User]
    next_page_token :Union[qcs_api_client.types.Unset, str]
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool

class qcs_api_client.models.ListGroupsResponse

```

```
groups
    Type List[Group]
next_page_token
    Type Union[Unset, str]
groups :List[qcs_api_client.models.group.Group]
next_page_token :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

class qcs_api_client.models.ListQuantumProcessorAccessorsResponse
    accessors
        Methods of accessing the relevant Quantum Processor
        Type List[QuantumProcessorAccessor]
    next_page_token
        Opaque token indicating the start of the next page of results to return; do not decode
        Type Union[Unset, str]
    accessors
        :List[qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessor]
    next_page_token :Union[qcs_api_client.types.Unset, str]
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool

class qcs_api_client.models.ListQuantumProcessorsResponse
```

quantum_processors

Type List[*QuantumProcessor*]

next_page_token

Opaque token indicating the start of the next page of results to return; do not decode

Type Union[Unset, str]

quantum_processors :List[qcs_api_client.models.quantum_processor.QuantumProcessor]

next_page_token :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.ListReservationsResponse

next_page_token

Type str

reservations

Type List[*Reservation*]

next_page_token :str

reservations :List[qcs_api_client.models.reservation.Reservation]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(*key*: str) → Any

__setitem__(*key*: str, *value*: Any) → None

__delitem__(*key*: str) → None

__contains__(*key*: str) → bool

class qcs_api_client.models.Node

A logical node in the quantum processor's architecture.

The existence of a node in the ISA *Architecture* does not necessarily mean that a given 1Q operation will be available on the node. This information is conveyed by the presence of the specific *node_id* in instances of *Instruction*.

Attributes:

node_id (int): An integer id assigned to the computational node. The ids may not be contiguous and will be assigned based on the architecture family.

node_id :int

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

class qcs_api_client.models.NomadJobDatacenters

Bases: str, enum.Enum

str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

BERKELEY_775 = **berkeley-775**

FREMONT_FAB = **fremont-fab**

OXFORD_INSTRUMENTS = **oxford-instruments**

__str__() → str

Return str(self).

class qcs_api_client.models.Operation

An operation, with its sites and site-independent characteristics.

characteristics

The list of site-independent characteristics of this operation.

Type List[*Characteristic*]

name

The name of the operation.

Type str

parameters

The list of parameters. Each parameter must be uniquely named. May be empty.

Type List[*Parameter*]

sites

The list of sites at which this operation can be applied, together with its site- dependent characteristics.

Type List[*OperationSite*]

node_count

The number of nodes that this operation applies to. None if unspecified.

Type Union[Unset, int]

characteristics :List[qcs_api_client.models.characteristic.Characteristic]

name :str

parameters :List[qcs_api_client.models.parameter.Parameter]

sites :List[qcs_api_client.models.operation_site.OperationSite]

node_count :Union[qcs_api_client.types.Unset, int]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

class qcs_api_client.models.OperationSite

A site for an operation, with its site-dependent characteristics.

characteristics

The list of site-dependent characteristics of this operation.

Type List[[Characteristic](#)]

node_ids

The list of architecture node ids for the site. The order of these node ids obey the definition of node symmetry from the enclosing operation.

Type List[int]

characteristics :List[qcs_api_client.models.characteristic.Characteristic]

node_ids :List[int]

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

class qcs_api_client.models.Parameter

A parameter to an operation.

name

The name of the parameter, such as the name of a mathematical symbol.

Type str

name :str

to_dict(*pick_by_predicate*: Optional[Callable[[Any], bool]] = *is_not_none*) → Dict[str, Any]

classmethod from_dict(*src_dict*: Dict[str, Any]) → T

class qcs_api_client.models.ParameterSpec**length**

Type Union[Unset, int]

```
length :Union[qcs_api_client.types.Unset, int]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

class qcs_api_client.models.QuantumProcessor
    id
        Immutable, unique identifier for a quantum processor [example: Aspen-1]
        Type str
    id :str
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool

class qcs_api_client.models.QuantumProcessorAccessor
    Method of accessing an available QPU.
    access_type
        Types of access mechanisms for a QPU. Each accessor type has its own access characteristics, benefits, and drawbacks.
        Type QuantumProcessorAccessorType
    live
        Whether an accessor represents access to a physical, live quantum processor. When false, this accessor provides access instead to a simulated or test QPU.
        Type bool
    url
        Address used to connect to the accessor.
        Type str
```

id

Unique identifier for the accessor.

Type Union[Unset, str]**rank**

Rank of this accessor against others for the same QPU. If two accessors both serve a client's purposes, that with the lower rank value should be used for access.

Type Union[Unset, int]**access_type****:qcs_api_client.models.quantum_processor_accessor_type.QuantumProcessorAccessorType****live :bool****url :str****id :Union[qcs_api_client.types.Unset, str]****rank :Union[qcs_api_client.types.Unset, int]****additional_properties :Dict[str, Any]****to_dict**(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → Dict[str, Any]**classmethod from_dict**(*src_dict: Dict[str, Any]*) → T**property additional_keys** → List[str]**__getitem__**(*key: str*) → Any**__setitem__**(*key: str, value: Any*) → None**__delitem__**(*key: str*) → None**__contains__**(*key: str*) → bool**class qcs_api_client.models.QuantumProcessorAccessorType**

Bases: str, enum.Enum

str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

GATEWAY_V1 = gateway.v1**__str__**() → str

Return str(self).

class qcs_api_client.models.RemoveGroupUserRequestMust provide either *userId* or *userEmail* and *groupId* or *groupName*.**group_id****Type** Union[Unset, str]

```
group_name
    Type Union[Unset, str]
user_email
    Type Union[Unset, str]
user_id
    Type Union[Unset, str]
group_id :Union[qcs_api_client.types.Unset, str]
group_name :Union[qcs_api_client.types.Unset, str]
user_email :Union[qcs_api_client.types.Unset, str]
user_id :Union[qcs_api_client.types.Unset, str]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

class qcs_api_client.models.Reservation
    account_id
        userId for accountType “user”, group name for accountType “group”.
        Type str
    account_type
        There are two types of accounts within QCS: user (representing a single user in Okta) and group (representing one or more users in Okta).
        Type AccountType
    created_time
        Type datetime.datetime
    end_time
        Type datetime.datetime
    id
        Type int
```



```

price
    Type int
quantum_processor_id
    Type str
start_time
    Type datetime.datetime
user_id
    Deprecated in favor of accountId.
    Type str
cancellation_billing_invoice_item_id
    Type Union[Unset, str]
cancelled
    Type Union[Unset, bool]
creation_billing_invoice_item_id
    Type Union[Unset, str]
notes
    Type Union[Unset, str]
updated_time
    Type Union[Unset, datetime.datetime]
account_id :str
account_type :qcs_api_client.models.account_type.AccountType
created_time :datetime.datetime
end_time :datetime.datetime
id :int
price :int
quantum_processor_id :str
start_time :datetime.datetime
user_id :str
cancellation_billing_invoice_item_id :Union[qcs_api_client.types.Unset, str]
cancelled :Union[qcs_api_client.types.Unset, bool]
creation_billing_invoice_item_id :Union[qcs_api_client.types.Unset, str]
notes :Union[qcs_api_client.types.Unset, str]

```

```
updated_time :Union[qcs_api_client.types.Unset, datetime.datetime]

additional_properties :Dict[str, Any]

to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

classmethod from_dict(src_dict: Dict[str, Any]) → T

property additional_keys → List[str]

__getitem__(key: str) → Any

__setitem__(key: str, value: Any) → None

__delitem__(key: str) → None

__contains__(key: str) → bool

class qcs_api_client.models.RestartEndpointRequest

    component_name
        Individual component to restart
        Type Union[Unset, str]

    component_name :Union[qcs_api_client.types.Unset, str]

    additional_properties :Dict[str, Any]

    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

    classmethod from_dict(src_dict: Dict[str, Any]) → T

    property additional_keys → List[str]

    __getitem__(key: str) → Any

    __setitem__(key: str, value: Any) → None

    __delitem__(key: str) → None

    __contains__(key: str) → bool

class qcs_api_client.models.Tier

    up_to
        A value of -1 will imply that this tier is up to Infinity.
        Type int

    flat_amount
        Type Union[Unset, int]

    flat_amount_decimal
        Type Union[Unset, float]

    unit_amount
        Type Union[Unset, int]
```

```

unit_amount_decimal
    Type Union[Unset, float]
up_to :int
flat_amount :Union[qcs_api_client.types.Unset, int]
flat_amount_decimal :Union[qcs_api_client.types.Unset, float]
unit_amount :Union[qcs_api_client.types.Unset, int]
unit_amount_decimal :Union[qcs_api_client.types.Unset, float]
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

class qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryRequest
    num_shots
        Number of iterations to execute on the control hardware
        Type int
    quil
        The native Quil program to be translated for execution
        Type str
    settings_timestamp
        ISO8601 timestamp of the latest settings to be used in translation. If omitted, latest settings will be used.
        Type Union[Unset, str]
    num_shots :int
    quil :str
    settings_timestamp :Union[qcs_api_client.types.Unset, str]
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any

```

`__setitem__(key: str, value: Any) → None`

`__delitem__(key: str) → None`

`__contains__(key: str) → bool`

class `qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryResponse`

program

Encrypted binary built for execution on the target quantum processor

Type `str`

memory_descriptors

Type `Union[Unset, TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors]`

ro_sources

Type `Union[Unset, List[List[str]]]`

settings_timestamp

ISO8601 timestamp of the settings used to translate the program. Translation is deterministic; a program translated twice with the same settings by the same version of the service will have identical output.

Type `Union[Unset, str]`

program :str

memory_descriptors :Union[qcs_api_client.types.Unset, qcs_api_client.models.translate_native_quil_to_encrypted_binary_response_memory_descriptors.TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors]

ro_sources :Union[qcs_api_client.types.Unset, List[List[str]]]

settings_timestamp :Union[qcs_api_client.types.Unset, str]

additional_properties :Dict[str, Any]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

property additional_keys → `List[str]`

`__getitem__(key: str) → Any`

`__setitem__(key: str, value: Any) → None`

`__delitem__(key: str) → None`

`__contains__(key: str) → bool`

class `qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors`

additional_properties :Dict[str, qcs_api_client.models.parameter_spec.ParameterSpec]

to_dict(*pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none*) → `Dict[str, Any]`

classmethod from_dict(*src_dict: Dict[str, Any]*) → `T`

```

    property additional_keys → List[str]

    __getitem__(key: str) → qcs_api_client.models.parameter_spec.ParameterSpec

    __setitem__(key: str, value: qcs_api_client.models.parameter_spec.ParameterSpec) → None

    __delitem__(key: str) → None

    __contains__(key: str) → bool

class qcs_api_client.models.User
    created_time
        Type datetime.datetime

    id
        Type int

    idp_id
        Type str

    profile
        Type Union[Unset, UserProfile]

    created_time :datetime.datetime

    id :int

    idp_id :str

    profile :Union[qcs_api_client.types.Unset,
qcs_api_client.models.user_profile.UserProfile]

    additional_properties :Dict[str, Any]

    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

    classmethod from_dict(src_dict: Dict[str, Any]) → T

    property additional_keys → List[str]

    __getitem__(key: str) → Any

    __setitem__(key: str, value: Any) → None

    __delitem__(key: str) → None

    __contains__(key: str) → bool

class qcs_api_client.models.UserCredentials
    password
        Type UserCredentialsPassword

    password :qcs_api_client.models.user_credentials_password.UserCredentialsPassword

    additional_properties :Dict[str, Any]

```

```
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]

    classmethod from_dict(src_dict: Dict[str, Any]) → T

    property additional_keys → List[str]

    __getitem__(key: str) → Any

    __setitem__(key: str, value: Any) → None

    __delitem__(key: str) → None

    __contains__(key: str) → bool

class qcs_api_client.models.UserCredentialsPassword
    value
        Type str
    value :str
    additional_properties :Dict[str, Any]
    to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
    classmethod from_dict(src_dict: Dict[str, Any]) → T
    property additional_keys → List[str]
    __getitem__(key: str) → Any
    __setitem__(key: str, value: Any) → None
    __delitem__(key: str) → None
    __contains__(key: str) → bool

class qcs_api_client.models.UserProfile
    email
        Type str
    first_name
        Type str
    last_name
        Type str
    organization
        Type str
    email :str
    first_name :str
    last_name :str
```

```

organization :str
additional_properties :Dict[str, Any]
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
classmethod from_dict(src_dict: Dict[str, Any]) → T
property additional_keys → List[str]
__getitem__(key: str) → Any
__setitem__(key: str, value: Any) → None
__delitem__(key: str) → None
__contains__(key: str) → bool

```

```
class qcs_api_client.models.ValidationError
```

```
in_
```

```
    Type ValidationErrorIn
```

```
message
```

```
    Type str
```

```
path
```

```
    Type Union[Unset, List[str]]
```

```
in_ :qcs_api_client.models.validation_error_in.ValidationErrorIn
```

```
message :str
```

```
path :Union[qcs_api_client.types.Unset, List[str]]
```

```
additional_properties :Dict[str, Any]
```

```
to_dict(pick_by_predicate: Optional[Callable[[Any], bool]] = is_not_none) → Dict[str, Any]
```

```
classmethod from_dict(src_dict: Dict[str, Any]) → T
```

```
property additional_keys → List[str]
```

```
__getitem__(key: str) → Any
```

```
__setitem__(key: str, value: Any) → None
```

```
__delitem__(key: str) → None
```

```
__contains__(key: str) → bool
```

```
class qcs_api_client.models.ValidationErrorIn
```

```
Bases: str, enum.Enum
```

```
str(object='') -> str str(bytes_or_buffer[, encoding[, errors]]) -> str
```

Create a new string object from the given object. If encoding or errors is specified, then the object must expose a data buffer that will be decoded using the given encoding and error handler. Otherwise, returns the result of object.__str__() (if defined) or repr(object). encoding defaults to sys.getdefaultencoding(). errors defaults to 'strict'.

Initialize self. See help(type(self)) for accurate signature.

HEADER = header

QUERY = query

PATH = path

BODY = body

__str__() → str
Return str(self).

`qcs_api_client.operations`

Subpackages

`qcs_api_client.operations.asyncio`

Package Contents

Functions

<code>add_group_user(→ qcs_api_client.types.Response[Any])</code>	Add user to a group
<code>get_group_balance(...)</code>	Get Group Balance
<code>get_group_billing_customer(...)</code>	Retrieve billing customer for a QCS group account.
<code>get_group_upcoming_billing_invoice(...)</code>	Retrieve upcoming invoice for QCS group billing customer.
<code>get_user_balance(...)</code>	Get User Balance
<code>get_user_billing_customer(...)</code>	Retrieve billing customer for a QCS user account.
<code>get_user_upcoming_billing_invoice(...)</code>	Retrieve upcoming invoice for QCS user billing customer.
<code>list_group_billing_invoice_lines(...)</code>	Retrieve billing invoice lines for a QCS group account's invoice.
<code>list_group_billing_invoices(...)</code>	Retrieve billing invoices for a QCS group account.
<code>list_group_upcoming_billing_invoice_lines(...)</code>	List invoice lines for QCS group billing customer upcoming invoice.
<code>list_group_users(...)</code>	List users belonging to a group
<code>list_user_billing_invoice_lines(...)</code>	Retrieve billing invoice lines for a QCS user account's invoice.
<code>list_user_billing_invoices(...)</code>	Retrieve billing invoices for a QCS user account.
<code>list_user_groups(...)</code>	List QCS groups for the requested user
<code>list_user_upcoming_billing_invoice_lines(...)</code>	List invoice lines for QCS user billing customer upcoming invoice.
<code>remove_group_user(→ qcs_api_client.types.Response[Any])</code>	Remove user from a group.
<code>auth_email_password_reset_token(...)</code>	Email Password Reset Token
<code>auth_get_user(...)</code>	Get User
<code>auth_reset_password(→ qcs_api_client.types.Response[Any])</code>	Reset Password
<code>auth_reset_password_with_token(...)</code>	Reset Password With Token

continues on next page

Table 2 – continued from previous page

<code>check_client_application(...)</code>	Check Client Application
<code>get_client_application(...)</code>	Get Client Application
<code>list_client_applications(...)</code>	List Client Applications
<code>get_health(...)</code>	Retrieve the health status of the API
<code>health_check(→ qcs_api_client.types.Response[Any])</code>	Health Check
<code>create_endpoint(...)</code>	Create Endpoint
<code>delete_endpoint(→ qcs_api_client.types.Response[Any])</code>	Delete Endpoint
<code>get_default_endpoint(...)</code>	Get Default Endpoint
<code>get_endpoint(...)</code>	Get Endpoint
<code>list_endpoints(...)</code>	List Endpoints
<code>restart_endpoint(→ qcs_api_client.types.Response[Any])</code>	Restart Endpoint
<code>create_engagement(...)</code>	Create Engagement
<code>get_instruction_set_architecture(...)</code>	Get Instruction Set Architecture
<code>get_quantum_processor(...)</code>	Get Quantum Processor
<code>list_quantum_processor_accessors(...)</code>	List Quantum Processor Accessors
<code>list_quantum_processors(...)</code>	List Quantum Processors
<code>create_reservation(...)</code>	Create Reservation
<code>delete_reservation(...)</code>	Delete Reservation
<code>find_available_reservations(...)</code>	Find Available Reservations
<code>list_group_reservations(...)</code>	List Group Reservations
<code>list_reservations(...)</code>	List Reservations
<code>get_quilt_calibrations(...)</code>	Get Quilt Calibrations
<code>translate_native_quil_to_encrypted_binary(...)</code>	Translate Native Quil To Encrypted Binary

async `qcs_api_client.operations.asyncio.add_group_user(*, client: httpx.AsyncClient, json_body: qcs_api_client.models.add_group_user_request.AddGroupUserRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Add user to a group

Add a user to a group. Note, group membership may take several minutes to update within our identity provider. After adding a user to a group, please allow up to 60 minutes for changes to be reflected.

Parameters `json_body` (`AddGroupUserRequest`) – Must provide either `userId` or `userEmail` and `groupId` or `groupName`.

Returns `Response[Any]`

async `qcs_api_client.operations.asyncio.get_group_balance(group_name: str, *, client: httpx.AsyncClient, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.account_balance.AccountBalance]`

Get Group Balance

Retrieve the balance of the requested QCS group account.

Parameters `group_name` (`str`) –

Returns `Response[AccountBalance]`

```
async qcs_api_client.operations.asyncio.get_group_billing_customer(group_name: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

Retrieve billing customer for a QCS group account.

Parameters `group_name (str)` –

Returns `Response[BillingCustomer]`

```
async qcs_api_client.operations.asyncio.get_group_upcoming_billing_invoice(group_name: str,
                                                                            *, client:
                                                                            httpx.AsyncClient,
                                                                            httpx_request_kwargs:
                                                                            Dict[str, Any] =
                                                                            {}) →
                                                                            qcs_api_client.types.Response[qcs_a
```

Retrieve upcoming invoice for QCS group billing customer.

Parameters `group_name (str)` –

Returns `Response[BillingUpcomingInvoice]`

```
async qcs_api_client.operations.asyncio.get_user_balance(user_id: str, *, client: httpx.AsyncClient,
                                                         httpx_request_kwargs: Dict[str, Any] =
                                                         {}) →
                                                         qcs_api_client.types.Response[qcs_api_client.models.account
```

Get User Balance

Retrieve the balance of the requested QCS user account.

Parameters `user_id (str)` –

Returns `Response[AccountBalance]`

```
async qcs_api_client.operations.asyncio.get_user_billing_customer(user_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

Retrieve billing customer for a QCS user account.

Parameters `user_id (str)` –

Returns `Response[BillingCustomer]`

```
async qcs_api_client.operations.asyncio.get_user_upcoming_billing_invoice(user_id: str, *,
                                                                            client:
                                                                            httpx.AsyncClient,
                                                                            httpx_request_kwargs:
                                                                            Dict[str, Any] = {})
                                                                            →
                                                                            qcs_api_client.types.Response[qcs_ap
```

Retrieve upcoming invoice for QCS user billing customer.

Parameters `user_id (str)` –

Returns `Response[BillingUpcomingInvoice]`

```

async qcs_api_client.operations.asyncio.list_group_billing_invoice_lines(group_name: str,
                                                                    billing_invoice_id:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.

```

Retrieve billing invoice lines for a QCS group account's invoice.

Parameters

- **group_name** (str) –
- **billing_invoice_id** (str) –

Returns Response[ListAccountBillingInvoiceLinesResponse]

```

async qcs_api_client.operations.asyncio.list_group_billing_invoices(group_name: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.

```

Retrieve billing invoices for a QCS group account.

Parameters **group_name** (str) –

Returns Response[ListAccountBillingInvoicesResponse]

```

async qcs_api_client.operations.asyncio.list_group_upcoming_billing_invoice_lines(group_name:
                                                                    str, *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Respon

```

List invoice lines for QCS group billing customer upcoming invoice.

Parameters **group_name** (str) –

Returns Response[ListAccountBillingInvoiceLinesResponse]

```

async qcs_api_client.operations.asyncio.list_group_users(group_name: str, *, client:
                                                                    httpx.AsyncClient, httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.list_gr

```

List users belonging to a group

List users belonging to a group. Note, group membership may take several minutes to update within our identity provider. After adding or removing a user to or from a group, please allow up to 60 minutes for changes to be reflected.

Parameters **group_name** (str) –

Returns Response[ListGroupUsersResponse]

```
async qcs_api_client.operations.asyncio.list_user_billing_invoice_lines(user_id: str,
                                                                       billing_invoice_id:
                                                                       str, *, client:
                                                                       httpx.AsyncClient,
                                                                       httpx_request_kwargs:
                                                                       Dict[str, Any] = {}) →
                                                                       qcs_api_client.types.Response[qcs_api_c
```

Retrieve billing invoice lines for a QCS user account's invoice.

Parameters

- **user_id** (*str*) –
- **billing_invoice_id** (*str*) –

Returns Response[ListAccountBillingInvoiceLinesResponse]

```
async qcs_api_client.operations.asyncio.list_user_billing_invoices(user_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m
```

Retrieve billing invoices for a QCS user account.

Parameters **user_id** (*str*) –

Returns Response[ListAccountBillingInvoicesResponse]

```
async qcs_api_client.operations.asyncio.list_user_groups(user_id: str, *, client: httpx.AsyncClient,
                                                         httpx_request_kwargs: Dict[str, Any] =
                                                         {}) →
                                                         qcs_api_client.types.Response[qcs_api_client.models.list_gr
```

List QCS groups for the requested user

List QCS groups for the requested user

Parameters **user_id** (*str*) –

Returns Response[ListGroupsResponse]

```
async qcs_api_client.operations.asyncio.list_user_upcoming_billing_invoice_lines(user_id:
                                                                                  str, *,
                                                                                  client:
                                                                                  httpx.AsyncClient,
                                                                                  httpx_request_kwargs:
                                                                                  Dict[str,
                                                                                  Any] = {})
                                                                                  →
                                                                                  qcs_api_client.types.Respons
```

List invoice lines for QCS user billing customer upcoming invoice.

Parameters **user_id** (*str*) –

Returns Response[ListAccountBillingInvoiceLinesResponse]

```
async qcs_api_client.operations.asyncio.remove_group_user(*, client: httpx.AsyncClient, json_body:
                                                         qcs_api_client.models.remove_group_user_request.Remove
                                                         httpx_request_kwargs: Dict[str, Any] =
                                                         {}) →
                                                         qcs_api_client.types.Response[Any]
```

Remove user from a group.

Remove a user from a group. Note, group membership may take several minutes to update within our identity provider. After removing a user from a group, please allow up to 60 minutes for changes to be reflected.

Parameters `json_body` (`RemoveGroupUserRequest`) – Must provide either `userId` or `userEmail` and `groupId` or `groupName`.

Returns `Response[Any]`

```
async qcs_api_client.operations.asyncio.auth_email_password_reset_token(*, client:
    httpx.AsyncClient,
    json_body:
        qcs_api_client.models.auth_email_password_reset_token.AuthEmailPasswordResetTokenRequest,
    httpx_request_kwargs:
        Dict[str, Any] = {}) →
    qcs_api_client.types.Response[Any]
```

Email Password Reset Token

Send a password reset link to the provided email address, if that email matches a registered user.

Parameters `json_body` (`AuthEmailPasswordResetTokenRequest`) –

Returns `Response[Any]`

```
async qcs_api_client.operations.asyncio.auth_get_user(*, client: httpx.AsyncClient,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.user.User]
```

Get User

Retrieve the profile of the authenticated user.

Returns `Response[User]`

```
async qcs_api_client.operations.asyncio.auth_reset_password(*, client: httpx.AsyncClient,
    json_body:
        qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest,
    httpx_request_kwargs: Dict[str, Any]
    = {}) →
    qcs_api_client.types.Response[Any]
```

Reset Password

Reset the password using the user's existing password. Note, this is an authenticated route.

Parameters `json_body` (`AuthResetPasswordRequest`) –

Returns `Response[Any]`

```
async qcs_api_client.operations.asyncio.auth_reset_password_with_token(*, client:
    httpx.AsyncClient,
    json_body:
        qcs_api_client.models.auth_reset_password_with_token.AuthResetPasswordWithTokenRequest,
    httpx_request_kwargs:
        Dict[str, Any] = {}) →
    qcs_api_client.types.Response[Any]
```

Reset Password With Token

Complete the forgot password flow, resetting the new password in exchange for an emailed token.

Parameters `json_body` (`AuthResetPasswordWithTokenRequest`) – Token may be requested with `AuthEmailPasswordResetToken`.

Returns `Response[Any]`

```
async qcs_api_client.operations.asyncio.check_client_application(*, client: httpx.AsyncClient,
                                                                json_body:
qcs_api_client.models.check_client_application_r
httpx_request_kwargs: Dict[str,
Any] = {}) →
qcs_api_client.types.Response[qcs_api_client.mod
```

Check Client Application

Check the requested client application version against the latest and minimum version.

Parameters `json_body` (`CheckClientApplicationRequest`) –

Returns `Response[CheckClientApplicationResponse]`

```
async qcs_api_client.operations.asyncio.get_client_application(client_application_name: str, *,
                                                                client: httpx.AsyncClient,
                                                                httpx_request_kwargs: Dict[str,
Any] = {}) →
qcs_api_client.types.Response[qcs_api_client.model
```

Get Client Application

Get details of a specific Rigetti system component along with its latest and minimum supported versions.

Parameters `client_application_name` (`str`) –

Returns `Response[ClientApplication]`

```
async qcs_api_client.operations.asyncio.list_client_applications(*, client: httpx.AsyncClient,
                                                                httpx_request_kwargs: Dict[str,
Any] = {}) →
qcs_api_client.types.Response[qcs_api_client.mod
```

List Client Applications

List supported clients of Rigetti system components along with their latest and minimum supported versions.

Returns `Response[ListClientApplicationsResponse]`

```
async qcs_api_client.operations.asyncio.get_health(*, client: httpx.AsyncClient,
                                                    httpx_request_kwargs: Dict[str, Any] = {}) →
qcs_api_client.types.Response[qcs_api_client.models.health.Health]
```

Retrieve the health status of the API

Returns `Response[Health]`

```
async qcs_api_client.operations.asyncio.health_check(*, client: httpx.AsyncClient,
                                                    httpx_request_kwargs: Dict[str, Any] = {}) →
qcs_api_client.types.Response[Any]
```

Health Check

Endpoint to return a status 200 for load balancer health checks

Returns Response[Any]

```
async qcs_api_client.operations.asyncio.create_endpoint(* , client: httpx.AsyncClient, json_body:
    qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

Create Endpoint

Create an endpoint associated with your user account.

Parameters **json_body** ([CreateEndpointParameters](#)) – A publicly available set of parameters for defining an endpoint.

Returns Response[Endpoint]

```
async qcs_api_client.operations.asyncio.delete_endpoint(endpoint_id: str, *, client:
    httpx.AsyncClient, httpx_request_kwargs:
    Dict[str, Any] = {}) →
    qcs_api_client.types.Response[Any]
```

Delete Endpoint

Delete an endpoint, releasing its resources. This operation is not reversible.

Parameters **endpoint_id** (*str*) –

Returns Response[Any]

```
async qcs_api_client.operations.asyncio.get_default_endpoint(quantum_processor_id: str, *, client:
    httpx.AsyncClient,
    httpx_request_kwargs: Dict[str, Any]
    = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

Get Default Endpoint

Retrieve the endpoint set as “default” for the given Quantum Processor.

If no endpoint is set as the default, return “not found.”

Parameters **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]

Returns Response[Endpoint]

```
async qcs_api_client.operations.asyncio.get_endpoint(endpoint_id: str, *, client: httpx.AsyncClient,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

Get Endpoint

Retrieve a specific endpoint by its ID.

Parameters **endpoint_id** (*str*) –

Returns Response[Endpoint]

```
async qcs_api_client.operations.asyncio.list_endpoints(*, client: httpx.AsyncClient, filter_:
                                                    Union[qcs_api_client.types.Unset, None, str]
                                                    = UNSET, page_size:
                                                    Union[qcs_api_client.types.Unset, None, int]
                                                    = 10, page_token:
                                                    Union[qcs_api_client.types.Unset, None, str]
                                                    = UNSET, httpx_request_kwargs: Dict[str,
                                                    Any] = {}) →
                                                    qcs_api_client.types.Response[qcs_api_client.models.list_endp
```

List Endpoints

List all endpoints, optionally filtering by attribute.

Parameters

- **filter** (*Union[Unset, None, str]*) – Filtering logic specified using [rule- engine](<https://zerosteiner.github.io/rule-engine/syntax.html>) grammar
- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns *Response[ListEndpointsResponse]*

```
async qcs_api_client.operations.asyncio.restart_endpoint(endpoint_id: str, *, client:
                                                         httpx.AsyncClient, json_body:
                                                         qcs_api_client.models.restart_endpoint_request.RestartEndp
                                                         httpx_request_kwargs: Dict[str, Any] =
                                                         {}) →
                                                         qcs_api_client.types.Response[Any]
```

Restart Endpoint

Restart an entire endpoint or a single component within an endpoint.

Parameters

- **endpoint_id** (*str*) –
- **json_body** (*RestartEndpointRequest*) –

Returns *Response[Any]*

```
async qcs_api_client.operations.asyncio.create_engagement(*, client: httpx.AsyncClient, json_body:
                                                         qcs_api_client.models.create_engagement_request.CreateE
                                                         httpx_request_kwargs: Dict[str, Any] =
                                                         {}) →
                                                         qcs_api_client.types.Response[qcs_api_client.models.engag
```

Create Engagement

Create a new engagement using the specified parameters.

At least one of the following parameters must be supplied: - **endpointId**: The ID of the endpoint on which to engage. - **quantumProcessorId**: The ID of the quantum processor on which to engage, allowing the service to select a default endpoint. Ignored if **endpointId** is set.

Parameters **json_body** (*CreateEngagementRequest*) –

Returns *Response[EngagementWithCredentials]*


```

async qcs_api_client.operations.asyncio.get_instruction_set_architecture(quantum_processor_id:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {})
                                                                    →
                                                                    qcs_api_client.types.Response[qcs_api_

```

Get Instruction Set Architecture

Retrieve the Instruction Set Architecture of a QuantumProcessor by ID.

Parameters **quantum_processor_id** (*str*) –

Returns Response[InstructionSetArchitecture]

```

async qcs_api_client.operations.asyncio.get_quantum_processor(quantum_processor_id: str, *,
                                                                    client: httpx.AsyncClient,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.

```

Get Quantum Processor

Retrieve a single QuantumProcessor by ID.

Parameters **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]

Returns Response[QuantumProcessor]

```

async qcs_api_client.operations.asyncio.list_quantum_processor_accessors(quantum_processor_id:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, int] = 10,
                                                                    page_token:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] = UNSET,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {})
                                                                    →
                                                                    qcs_api_client.types.Response[qcs_api_

```

List Quantum Processor Accessors

List all means of accessing a QuantumProcessor available to the user.

Parameters

- **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]
- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns Response[ListQuantumProcessorAccessorsResponse]

```
async qcs_api_client.operations.asyncio.list_quantum_processors(*, client: httpx.AsyncClient,
                                                                page_size:
                                                                Union[qcs_api_client.types.Unset,
                                                                None, int] = 10, page_token:
                                                                Union[qcs_api_client.types.Unset,
                                                                None, str] = UNSET,
                                                                httpx_request_kwargs: Dict[str,
                                                                Any] = {}) →
                                                                qcs_api_client.types.Response[qcs_api_client.models.
```

List Quantum Processors

List all QuantumProcessors available to the user.

Parameters

- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns *Response[ListQuantumProcessorsResponse]*

```
async qcs_api_client.operations.asyncio.create_reservation(*, client: httpx.AsyncClient, json_body:
qcs_api_client.models.create_reservation_request.CreateReservationRequest,
httpx_request_kwargs: Dict[str, Any] =
{}) →
qcs_api_client.types.Response[qcs_api_client.models.reservation_response.ReservationResponse]
```

Create Reservation

Create a new reservation.

The following precedence applies when specifying the reservation subject account ID and type: * request body *accountId* field, or if unset then *X-QCS-ACCOUNT-ID* header, or if unset then requesting user's ID. * request body *accountType* field, or if unset then *X-QCS-ACCOUNT-TYPE* header, or if unset then "user" type.

Parameters *json_body* (*CreateReservationRequest*) –

Returns *Response[Reservation]*

```
async qcs_api_client.operations.asyncio.delete_reservation(reservation_id: int, *, client:
httpx.AsyncClient,
httpx_request_kwargs: Dict[str, Any] =
{}) →
qcs_api_client.types.Response[qcs_api_client.models.reservation_response.ReservationResponse]
```

Delete Reservation

Cancel an existing reservation for the user.

Parameters *reservation_id* (*int*) –

Returns *Response[Reservation]*

```
async qcs_api_client.operations.asyncio.find_available_reservations(*, client: httpx.AsyncClient,
quantum_processor_id: str,
start_time_from:
datetime.datetime,
duration: str,
httpx_request_kwargs:
Dict[str, Any] = {}) →
qcs_api_client.types.Response[qcs_api_client.models.reservation_response.ReservationResponse]
```

Find Available Reservations

List currently available reservations on the requested Rigetti quantum computer.

Parameters

- **quantum_processor_id** (*str*) –
- **start_time_from** (*datetime.datetime*) –
- **duration** (*str*) – Formatted as specified for go lang <https://golang.org/pkg/time/#ParseDuration>.

Returns Response[FindAvailableReservationsResponse]

```
async qcs_api_client.operations.asyncio.list_group_reservations(group_name: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.
```

List Group Reservations

List existing reservations for the requested group.

Available filter fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer
- *quantumProcessorId* - string

Available order fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer

Parameters **group_name** (*str*) –

Returns Response[ListReservationsResponse]

```
async qcs_api_client.operations.asyncio.list_reservations(*, client: httpx.AsyncClient,
                                                            httpx_request_kwargs: Dict[str, Any] =
                                                            {}) →
                                                            qcs_api_client.types.Response[qcs_api_client.models.list_r
```

List Reservations

List existing reservations for the authenticated user,
or a target user when specifying *X-QCS-ACCOUNT-ID* and *X-QCS-ACCOUNT-TYPE* headers.

Available filter fields include:

- *startTime* - timestamp

- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer
- *cancelled* - boolean (deprecated, use *showDeleted* parameter)
- *quantumProcessorId* - string

Available order fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer

Returns Response[ListReservationsResponse]

```
async qcs_api_client.operations.asyncio.get_quilt_calibrations(quantum_processor_id: str, *,
                                                              client: httpx.AsyncClient,
                                                              httpx_request_kwargs: Dict[str,
                                                              Any] = {}) →
                                                              qcs_api_client.types.Response[qcs_api_client.models.
```

Get Quilt Calibrations

Retrieve the calibration data used for client-side Quilt generation.

Parameters **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]

Returns Response[GetQuiltCalibrationsResponse]

```
async qcs_api_client.operations.asyncio.translate_native_quil_to_encrypted_binary(quantum_processor_id:
                                                                                  str, *,
                                                                                  client:
                                                                                  httpx.AsyncClient,
                                                                                  json_body:
                                                                                  qcs_api_client.models.trans
                                                                                  httpx_request_kwargs:
                                                                                  Dict[str,
                                                                                  Any] =
                                                                                  {}) →
                                                                                  qcs_api_client.types.Respon
```

Translate Native Quil To Encrypted Binary

Compile Rigetti-native Quil code to encrypted binary form, ready for execution on a Rigetti Quantum Processor.

Parameters

- **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]
- **json_body** (*TranslateNativeQuilToEncryptedBinaryRequest*) –

Returns Response[TranslateNativeQuilToEncryptedBinaryResponse]

`qcs_api_client.operations.asyncio_from_dict`

Package Contents

Functions

add_group_user(→ `qcs_api_client.types.Response[Any]`)

get_group_balance(...)

get_group_billing_customer(...)

get_group_upcoming_billing_invoice(...)

get_user_balance(...)

get_user_billing_customer(...)

get_user_upcoming_billing_invoice(...)

list_group_billing_invoice_lines(...)

list_group_billing_invoices(...)

list_group_upcoming_billing_invoice_lines(...)

list_group_users(...)

list_user_billing_invoice_lines(...)

list_user_billing_invoices(...)

list_user_groups(...)

list_user_upcoming_billing_invoice_lines(...)

remove_group_user(→
`qcs_api_client.types.Response[Any]`)

auth_email_password_reset_token(...)

auth_get_user(...)

auth_reset_password(→
`qcs_api_client.types.Response[Any]`)

auth_reset_password_with_token(...)

check_client_application(...)

get_client_application(...)

continues on next page

Table 3 – continued from previous page

<code>list_client_applications(...)</code>
<code>get_health(...)</code>
<code>health_check(→ qcs_api_client.types.Response[Any])</code>
<code>create_endpoint(...)</code>
<code>delete_endpoint(→</code> <code>qcs_api_client.types.Response[Any])</code>
<code>get_default_endpoint(...)</code>
<code>get_endpoint(...)</code>
<code>list_endpoints(...)</code>
<code>restart_endpoint(→</code> <code>qcs_api_client.types.Response[Any])</code>
<code>create_engagement(...)</code>
<code>get_instruction_set_architecture(...)</code>
<code>get_quantum_processor(...)</code>
<code>list_quantum_processor_accessors(...)</code>
<code>list_quantum_processors(...)</code>
<code>create_reservation(...)</code>
<code>delete_reservation(...)</code>
<code>find_available_reservations(...)</code>
<code>list_group_reservations(...)</code>
<code>list_reservations(...)</code>
<code>get_quilt_calibrations(...)</code>
<code>translate_native_quil_to_encrypted_binary(...)</code>

async `qcs_api_client.operations.asyncio_from_dict.add_group_user(*, client: httpx.AsyncClient,`
`json_body_dict: Dict,`
`httpx_request_kwargs: Dict[str,`
`Any] = {})` →
`qcs_api_client.types.Response[Any]`

```

async qcs_api_client.operations.asyncio_from_dict.get_group_balance(group_name: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.

async qcs_api_client.operations.asyncio_from_dict.get_group_billing_customer(group_name:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_

async qcs_api_client.operations.asyncio_from_dict.get_group_upcoming_billing_invoice(group_name:
                                                                    str, *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any]
                                                                    = {})
                                                                    →
                                                                    qcs_api_client.types.Resp

async qcs_api_client.operations.asyncio_from_dict.get_user_balance(user_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.n

async qcs_api_client.operations.asyncio_from_dict.get_user_billing_customer(user_id: str, *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_

async qcs_api_client.operations.asyncio_from_dict.get_user_upcoming_billing_invoice(user_id:
                                                                    str, *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Resp

```

```
async qcs_api_client.operations.asyncio_from_dict.list_group_billing_invoice_lines(group_name:
                                                                                    str,
                                                                                    billing_invoice_id:
                                                                                    str, *,
                                                                                    client:
                                                                                    httpx.AsyncClient,
                                                                                    httpx_request_kwargs:
                                                                                    Dict[str,
                                                                                    Any]
                                                                                    = {}) →
                                                                                    qcs_api_client.types.Respo

async qcs_api_client.operations.asyncio_from_dict.list_group_billing_invoices(group_name:
                                                                                str, *, client:
                                                                                httpx.AsyncClient,
                                                                                httpx_request_kwargs:
                                                                                Dict[str, Any]
                                                                                = {}) →
                                                                                qcs_api_client.types.Response[qc

async qcs_api_client.operations.asyncio_from_dict.list_group_upcoming_billing_invoice_lines(group_name:
                                                                                          str,
                                                                                          *,
                                                                                          client:
                                                                                          httpx.AsyncCli
                                                                                          httpx_request_
                                                                                          Dict[str,
                                                                                          Any]
                                                                                          =
                                                                                          {})
                                                                                          →
                                                                                          qcs_api_client.

async qcs_api_client.operations.asyncio_from_dict.list_group_users(group_name: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m

async qcs_api_client.operations.asyncio_from_dict.list_user_billing_invoice_lines(user_id:
                                                                                    str,
                                                                                    billing_invoice_id:
                                                                                    str, *,
                                                                                    client:
                                                                                    httpx.AsyncClient,
                                                                                    httpx_request_kwargs:
                                                                                    Dict[str,
                                                                                    Any] =
                                                                                    {}) =
                                                                                    {} →
                                                                                    qcs_api_client.types.Respon
```



```

async qcs_api_client.operations.asyncio_from_dict.list_user_billing_invoices(user_id: str, *,
                                                                              client:
                                                                              httpx.AsyncClient,
                                                                              httpx_request_kwargs:
                                                                              Dict[str, Any] =
                                                                              {}) →
                                                                              qcs_api_client.types.Response[qcs

async qcs_api_client.operations.asyncio_from_dict.list_user_groups(user_id: str, *, client:
                                                                              httpx.AsyncClient,
                                                                              httpx_request_kwargs:
                                                                              Dict[str, Any] = {}) →
                                                                              qcs_api_client.types.Response[qcs_api_client.m

async qcs_api_client.operations.asyncio_from_dict.list_user_upcoming_billing_invoice_lines(user_id:
                                                                              str,
                                                                              *,
                                                                              client:
                                                                              httpx.AsyncClient,
                                                                              httpx_request_k
                                                                              Dict[str,
                                                                              Any]
                                                                              =
                                                                              {}
                                                                              →
                                                                              qcs_api_client.t

async qcs_api_client.operations.asyncio_from_dict.remove_group_user(*, client: httpx.AsyncClient,
                                                                              json_body_dict: Dict,
                                                                              httpx_request_kwargs:
                                                                              Dict[str, Any] = {}) →
                                                                              qcs_api_client.types.Response[Any]

async qcs_api_client.operations.asyncio_from_dict.auth_email_password_reset_token(*, client:
                                                                              httpx.AsyncClient,
                                                                              json_body_dict:
                                                                              Dict,
                                                                              httpx_request_kwargs:
                                                                              Dict[str,
                                                                              Any] =
                                                                              {}
                                                                              →
                                                                              qcs_api_client.types.Respon

async qcs_api_client.operations.asyncio_from_dict.auth_get_user(*, client: httpx.AsyncClient,
                                                                              httpx_request_kwargs: Dict[str,
                                                                              Any] = {}) →
                                                                              qcs_api_client.types.Response[qcs_api_client.mode

async qcs_api_client.operations.asyncio_from_dict.auth_reset_password(*, client:
                                                                              httpx.AsyncClient,
                                                                              json_body_dict: Dict,
                                                                              httpx_request_kwargs:
                                                                              Dict[str, Any] = {}) →
                                                                              qcs_api_client.types.Response[Any]

```

```
async qcs_api_client.operations.asyncio_from_dict.auth_reset_password_with_token(*, client:
                                                                    httpx.AsyncClient,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_a

async qcs_api_client.operations.asyncio_from_dict.check_client_application(*, client:
                                                                    httpx.AsyncClient,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_a

async qcs_api_client.operations.asyncio_from_dict.get_client_application(client_application_name:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api

async qcs_api_client.operations.asyncio_from_dict.list_client_applications(*, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_a

async qcs_api_client.operations.asyncio_from_dict.get_health(*, client: httpx.AsyncClient,
                                                                    httpx_request_kwargs: Dict[str, Any]
                                                                    = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.h

async qcs_api_client.operations.asyncio_from_dict.health_check(*, client: httpx.AsyncClient,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[Any]

async qcs_api_client.operations.asyncio_from_dict.create_endpoint(*, client: httpx.AsyncClient,
                                                                    json_body_dict: Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.m

async qcs_api_client.operations.asyncio_from_dict.delete_endpoint(endpoint_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[Any]
```

```

async qcs_api_client.operations.asyncio_from_dict.get_default_endpoint(quantum_processor_id:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.model.

async qcs_api_client.operations.asyncio_from_dict.get_endpoint(endpoint_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.model.

async qcs_api_client.operations.asyncio_from_dict.list_endpoints(*, client: httpx.AsyncClient,
                                                                    filter_:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] = UNSET,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, int] = 10, page_token:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] = UNSET,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mo

async qcs_api_client.operations.asyncio_from_dict.restart_endpoint(endpoint_id: str, *, client:
                                                                    httpx.AsyncClient,
                                                                    json_body_dict: Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[Any]

async qcs_api_client.operations.asyncio_from_dict.create_engagement(*, client: httpx.AsyncClient,
                                                                    json_body_dict: Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.

async qcs_api_client.operations.asyncio_from_dict.get_instruction_set_architecture(quantum_processor_id:
                                                                    str, *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any]
                                                                    = {}) →
                                                                    qcs_api_client.types.Respo

async qcs_api_client.operations.asyncio_from_dict.get_quantum_processor(quantum_processor_id:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_c

```

```
async qcs_api_client.operations.asyncio_from_dict.list_quantum_processor_accessors(quantum_processor_id:
                                                                    str, *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.
                                                                    None,
                                                                    int] =
                                                                    10,
                                                                    page_token:
                                                                    Union[qcs_api_client.types.
                                                                    None,
                                                                    str] =
                                                                    UNSET,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any]
                                                                    = {}) →
                                                                    qcs_api_client.types.Respo

async qcs_api_client.operations.asyncio_from_dict.list_quantum_processors(*, client:
                                                                    httpx.AsyncClient,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, int] = 10,
                                                                    page_token:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] =
                                                                    UNSET,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {})
                                                                    →
                                                                    qcs_api_client.types.Response[qcs_ap

async qcs_api_client.operations.asyncio_from_dict.create_reservation(*, client:
                                                                    httpx.AsyncClient,
                                                                    json_body_dict: Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client

async qcs_api_client.operations.asyncio_from_dict.delete_reservation(reservation_id: int, *,
                                                                    client: httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client
```

```

async qcs_api_client.operations.asyncio_from_dict.find_available_reservations(*client:
                                                                    httpx.AsyncClient,
                                                                    quantum_processor_id:
                                                                    str,
                                                                    start_time_from:
                                                                    date-
                                                                    time.datetime,
                                                                    duration: str,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any]
                                                                    = {}) →
                                                                    qcs_api_client.types.Response[qcs_ap

async qcs_api_client.operations.asyncio_from_dict.list_group_reservations(group_name: str, *,
                                                                    client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {})
                                                                    →
                                                                    qcs_api_client.types.Response[qcs_ap

async qcs_api_client.operations.asyncio_from_dict.list_reservations(*client: httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.

async qcs_api_client.operations.asyncio_from_dict.get_quilt_calibrations(quantum_processor_id:
                                                                    str, *, client:
                                                                    httpx.AsyncClient,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {})
                                                                    →
                                                                    qcs_api_client.types.Response[qcs_api_

async qcs_api_client.operations.asyncio_from_dict.translate_native_quil_to_encrypted_binary(quantum_proc
                                                                    str,
                                                                    *,
                                                                    client:
                                                                    httpx.AsyncCli,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_
                                                                    Dict[str,
                                                                    Any]
                                                                    =
                                                                    {})
                                                                    →
                                                                    qcs_api_client.

```

qcs_api_client.operations.sync

Package Contents

Functions

<i>add_group_user</i> (→ qcs_api_client.types.Response[Any])	Add user to a group
<i>get_group_balance</i> (...)	Get Group Balance
<i>get_group_billing_customer</i> (...)	Retrieve billing customer for a QCS group account.
<i>get_group_upcoming_billing_invoice</i> (...)	Retrieve upcoming invoice for QCS group billing customer.
<i>get_user_balance</i> (...)	Get User Balance
<i>get_user_billing_customer</i> (...)	Retrieve billing customer for a QCS user account.
<i>get_user_upcoming_billing_invoice</i> (...)	Retrieve upcoming invoice for QCS user billing customer.
<i>list_group_billing_invoice_lines</i> (...)	Retrieve billing invoice lines for a QCS group account's invoice.
<i>list_group_billing_invoices</i> (...)	Retrieve billing invoices for a QCS group account.
<i>list_group_upcoming_billing_invoice_lines</i> (...)	List invoice lines for QCS group billing customer upcoming invoice.
<i>list_group_users</i> (...)	List users belonging to a group
<i>list_user_billing_invoice_lines</i> (...)	Retrieve billing invoice lines for a QCS user account's invoice.
<i>list_user_billing_invoices</i> (...)	Retrieve billing invoices for a QCS user account.
<i>list_user_groups</i> (...)	List QCS groups for the requested user
<i>list_user_upcoming_billing_invoice_lines</i> (...)	List invoice lines for QCS user billing customer upcoming invoice.
<i>remove_group_user</i> (→ qcs_api_client.types.Response[Any])	Remove user from a group.
<i>auth_email_password_reset_token</i> (...)	Email Password Reset Token
<i>auth_get_user</i> (...)	Get User
<i>auth_reset_password</i> (→ qcs_api_client.types.Response[Any])	Reset Password
<i>auth_reset_password_with_token</i> (...)	Reset Password With Token
<i>check_client_application</i> (...)	Check Client Application
<i>get_client_application</i> (...)	Get Client Application
<i>list_client_applications</i> (...)	List Client Applications
<i>get_health</i> (...)	Retrieve the health status of the API
<i>health_check</i> (→ qcs_api_client.types.Response[Any])	Health Check
<i>create_endpoint</i> (...)	Create Endpoint
<i>delete_endpoint</i> (→ qcs_api_client.types.Response[Any])	Delete Endpoint
<i>get_default_endpoint</i> (...)	Get Default Endpoint
<i>get_endpoint</i> (...)	Get Endpoint
<i>list_endpoints</i> (...)	List Endpoints
<i>restart_endpoint</i> (→ qcs_api_client.types.Response[Any])	Restart Endpoint
<i>create_engagement</i> (...)	Create Engagement
<i>get_instruction_set_architecture</i> (...)	Get Instruction Set Architecture
<i>get_quantum_processor</i> (...)	Get Quantum Processor

continues on next page

Table 4 – continued from previous page

<code>list_quantum_processor_accessors(...)</code>	List Quantum Processor Accessors
<code>list_quantum_processors(...)</code>	List Quantum Processors
<code>create_reservation(...)</code>	Create Reservation
<code>delete_reservation(...)</code>	Delete Reservation
<code>find_available_reservations(...)</code>	Find Available Reservations
<code>list_group_reservations(...)</code>	List Group Reservations
<code>list_reservations(...)</code>	List Reservations
<code>get_quilt_calibrations(...)</code>	Get Quilt Calibrations
<code>translate_native_quil_to_encrypted_binary(...)</code>	Translate Native Quil To Encrypted Binary

`qcs_api_client.operations.sync.add_group_user(*, client: httpx.Client, json_body: qcs_api_client.models.add_group_user_request.AddGroupUserRequest, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]`

Add user to a group

Add a user to a group. Note, group membership may take several minutes to update within our identity provider. After adding a user to a group, please allow up to 60 minutes for changes to be reflected.

Parameters `json_body` (`AddGroupUserRequest`) – Must provide either `userId` or `userEmail` and `groupId` or `groupName`.

Returns `Response[Any]`

`qcs_api_client.operations.sync.get_group_balance(group_name: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.account_balance.AccountBalance]`

Get Group Balance

Retrieve the balance of the requested QCS group account.

Parameters `group_name` (`str`) –

Returns `Response[AccountBalance]`

`qcs_api_client.operations.sync.get_group_billing_customer(group_name: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.billing_customer.BillingCustomer]`

Retrieve billing customer for a QCS group account.

Parameters `group_name` (`str`) –

Returns `Response[BillingCustomer]`

`qcs_api_client.operations.sync.get_group_upcoming_billing_invoice(group_name: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.billing_invoice.BillingInvoice]`

Retrieve upcoming invoice for QCS group billing customer.

Parameters `group_name` (`str`) –

Returns `Response[BillingUpcomingInvoice]`

```
qcs_api_client.operations.sync.get_user_balance(user_id: str, *, client: httpx.Client,  
                                                httpx_request_kwargs: Dict[str, Any] = {}) →  
qcs_api_client.types.Response[qcs_api_client.models.account_balance.A
```

Get User Balance

Retrieve the balance of the requested QCS user account.

Parameters `user_id (str)` –

Returns `Response[AccountBalance]`

```
qcs_api_client.operations.sync.get_user_billing_customer(user_id: str, *, client: httpx.Client,  
                                                         httpx_request_kwargs: Dict[str, Any] =  
                                                         {}) →  
qcs_api_client.types.Response[qcs_api_client.models.billing.mo
```

Retrieve billing customer for a QCS user account.

Parameters `user_id (str)` –

Returns `Response[BillingCustomer]`

```
qcs_api_client.operations.sync.get_user_upcoming_billing_invoice(user_id: str, *, client:  
                                                                httpx.Client,  
                                                                httpx_request_kwargs: Dict[str,  
                                                                Any] = {}) →  
qcs_api_client.types.Response[qcs_api_client.mo
```

Retrieve upcoming invoice for QCS user billing customer.

Parameters `user_id (str)` –

Returns `Response[BillingUpcomingInvoice]`

```
qcs_api_client.operations.sync.list_group_billing_invoice_lines(group_name: str,  
                                                                billing_invoice_id: str, *, client:  
                                                                httpx.Client,  
                                                                httpx_request_kwargs: Dict[str,  
                                                                Any] = {}) →  
qcs_api_client.types.Response[qcs_api_client.mode
```

Retrieve billing invoice lines for a QCS group account's invoice.

Parameters

- `group_name (str)` –
- `billing_invoice_id (str)` –

Returns `Response[ListAccountBillingInvoiceLinesResponse]`

```
qcs_api_client.operations.sync.list_group_billing_invoices(group_name: str, *, client: httpx.Client,  
                                                           httpx_request_kwargs: Dict[str, Any] =  
                                                           {}) →  
qcs_api_client.types.Response[qcs_api_client.models.list_
```

Retrieve billing invoices for a QCS group account.

Parameters `group_name (str)` –

Returns `Response[ListAccountBillingInvoicesResponse]`


```
qcs_api_client.operations.sync.list_group_upcoming_billing_invoice_lines(group_name: str, *,
                                                                           client: httpx.Client,
                                                                           httpx_request_kwargs:
                                                                           Dict[str, Any] = {}) →
                                                                           qcs_api_client.types.Response[qcs_api_client.models.list_group_upcoming_billing_invoice_lines_response]
```

List invoice lines for QCS group billing customer upcoming invoice.

Parameters `group_name (str)` –

Returns `Response[ListAccountBillingInvoiceLinesResponse]`

```
qcs_api_client.operations.sync.list_group_users(group_name: str, *, client: httpx.Client,
                                                 httpx_request_kwargs: Dict[str, Any] = {}) →
                                                 qcs_api_client.types.Response[qcs_api_client.models.list_group_users_response]
```

List users belonging to a group

List users belonging to a group. Note, group membership may take several minutes to update within our identity provider. After adding or removing a user to or from a group, please allow up to 60 minutes for changes to be reflected.

Parameters `group_name (str)` –

Returns `Response[ListGroupUsersResponse]`

```
qcs_api_client.operations.sync.list_user_billing_invoice_lines(user_id: str, billing_invoice_id:
                                                                str, *, client: httpx.Client,
                                                                httpx_request_kwargs: Dict[str,
                                                                Any] = {}) →
                                                                qcs_api_client.types.Response[qcs_api_client.models.list_user_billing_invoice_lines_response]
```

Retrieve billing invoice lines for a QCS user account's invoice.

Parameters

- `user_id (str)` –
- `billing_invoice_id (str)` –

Returns `Response[ListAccountBillingInvoiceLinesResponse]`

```
qcs_api_client.operations.sync.list_user_billing_invoices(user_id: str, *, client: httpx.Client,
                                                           httpx_request_kwargs: Dict[str, Any] =
                                                           {}) →
                                                           qcs_api_client.types.Response[qcs_api_client.models.list_user_billing_invoices_response]
```

Retrieve billing invoices for a QCS user account.

Parameters `user_id (str)` –

Returns `Response[ListAccountBillingInvoicesResponse]`

```
qcs_api_client.operations.sync.list_user_groups(user_id: str, *, client: httpx.Client,
                                                 httpx_request_kwargs: Dict[str, Any] = {}) →
                                                 qcs_api_client.types.Response[qcs_api_client.models.list_user_groups_response]
```

List QCS groups for the requested user

List QCS groups for the requested user

Parameters `user_id (str)` –

Returns `Response[ListGroupsResponse]`

```
qcs_api_client.operations.sync.list_user_upcoming_billing_invoice_lines(user_id: str, *, client:  
                                                                    httpx.Client,  
                                                                    httpx_request_kwargs:  
                                                                    Dict[str, Any] = {}) →  
                                                                    qcs_api_client.types.Response[qcs_api_c
```

List invoice lines for QCS user billing customer upcoming invoice.

Parameters *user_id* (*str*) –

Returns Response[ListAccountBillingInvoiceLinesResponse]

```
qcs_api_client.operations.sync.remove_group_user(*, client: httpx.Client, json_body:  
                                                                    qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest,  
                                                                    httpx_request_kwargs: Dict[str, Any] = {}) →  
                                                                    qcs_api_client.types.Response[Any]
```

Remove user from a group.

Remove a user from a group. Note, group membership may take several minutes to update within our identity provider. After removing a user from a group, please allow up to 60 minutes for changes to be reflected.

Parameters *json_body* (*RemoveGroupUserRequest*) – Must provide either *userId* or *userEmail* and *groupId* or *groupName*.

Returns Response[Any]

```
qcs_api_client.operations.sync.auth_email_password_reset_token(*, client: httpx.Client, json_body:  
                                                                    qcs_api_client.models.auth_email_password_reset_token_request.AuthEmailPasswordResetTokenRequest,  
                                                                    httpx_request_kwargs: Dict[str,  
                                                                    Any] = {}) →  
                                                                    qcs_api_client.types.Response[Any]
```

Email Password Reset Token

Send a password reset link to the provided email address, if that email matches a registered user.

Parameters *json_body* (*AuthEmailPasswordResetTokenRequest*) –

Returns Response[Any]

```
qcs_api_client.operations.sync.auth_get_user(*, client: httpx.Client, httpx_request_kwargs: Dict[str,  
                                                                    Any] = {}) →  
                                                                    qcs_api_client.types.Response[qcs_api_client.models.user.User]
```

Get User

Retrieve the profile of the authenticated user.

Returns Response[User]

```
qcs_api_client.operations.sync.auth_reset_password(*, client: httpx.Client, json_body:  
                                                                    qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest,  
                                                                    httpx_request_kwargs: Dict[str, Any] = {}) →  
                                                                    qcs_api_client.types.Response[Any]
```

Reset Password

Reset the password using the user's existing password. Note, this is an authenticated route.

Parameters *json_body* (*AuthResetPasswordRequest*) –

Returns Response[Any]

```
qcs_api_client.operations.sync.auth_reset_password_with_token(*, client: httpx.Client, json_body:
    qcs_api_client.models.auth_reset_password_with_token.AuthResetPasswordWithTokenRequest,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[Any]
```

Reset Password With Token

Complete the forgot password flow, resetting the new password in exchange for an emailed token.

Parameters `json_body` (`AuthResetPasswordWithTokenRequest`) – Token may be requested with `AuthEmailPasswordResetToken`.

Returns `Response[Any]`

```
qcs_api_client.operations.sync.check_client_application(*, client: httpx.Client, json_body:
    qcs_api_client.models.check_client_application_request.CheckClientApplicationRequest,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.check_client_application_response.CheckClientApplicationResponse]
```

Check Client Application

Check the requested client application version against the latest and minimum version.

Parameters `json_body` (`CheckClientApplicationRequest`) –

Returns `Response[CheckClientApplicationResponse]`

```
qcs_api_client.operations.sync.get_client_application(client_application_name: str, *, client:
    httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.client_application_response.ClientApplicationResponse]
```

Get Client Application

Get details of a specific Rigetti system component along with its latest and minimum supported versions.

Parameters `client_application_name` (`str`) –

Returns `Response[ClientApplication]`

```
qcs_api_client.operations.sync.list_client_applications(*, client: httpx.Client,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.list_client_applications_response.ListClientApplicationsResponse]
```

List Client Applications

List supported clients of Rigetti system components along with their latest and minimum supported versions.

Returns `Response[ListClientApplicationsResponse]`

```
qcs_api_client.operations.sync.get_health(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] =
    {}) →
    qcs_api_client.types.Response[qcs_api_client.models.health.Health]
```

Retrieve the health status of the API

Returns `Response[Health]`

```
qcs_api_client.operations.sync.health_check(*, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]
```

Health Check

Endpoint to return a status 200 for load balancer health checks

Returns Response[Any]

```
qcs_api_client.operations.sync.create_endpoint(*, client: httpx.Client, json_body: qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

Create Endpoint

Create an endpoint associated with your user account.

Parameters `json_body` (`CreateEndpointParameters`) – A publicly available set of parameters for defining an endpoint.

Returns Response[Endpoint]

```
qcs_api_client.operations.sync.delete_endpoint(endpoint_id: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]
```

Delete Endpoint

Delete an endpoint, releasing its resources. This operation is not reversible.

Parameters `endpoint_id` (`str`) –

Returns Response[Any]

```
qcs_api_client.operations.sync.get_default_endpoint(quantum_processor_id: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

Get Default Endpoint

Retrieve the endpoint set as “default” for the given Quantum Processor.

If no endpoint is set as the default, return “not found.”

Parameters `quantum_processor_id` (`str`) – Public identifier for a quantum processor [example: Aspen-1]

Returns Response[Endpoint]

```
qcs_api_client.operations.sync.get_endpoint(endpoint_id: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.endpoint.Endpoint]
```

Get Endpoint

Retrieve a specific endpoint by its ID.

Parameters `endpoint_id` (`str`) –

Returns Response[Endpoint]

```
qcs_api_client.operations.sync.list_endpoints(*, client: httpx.Client, filter_:
    Union[qcs_api_client.types.Unset, None, str] = UNSET,
    page_size: Union[qcs_api_client.types.Unset, None, int]
    = 10, page_token: Union[qcs_api_client.types.Unset,
    None, str]
    = UNSET, httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.list_endpoints_respon
```

List Endpoints

List all endpoints, optionally filtering by attribute.

Parameters

- **filter** (*Union[Unset, None, str]*) – Filtering logic specified using [rule- engine](<https://zerosteiner.github.io/rule-engine/syntax.html>) grammar
- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns *Response[ListEndpointsResponse]*

```
qcs_api_client.operations.sync.restart_endpoint(endpoint_id: str, *, client: httpx.Client, json_body:
    qcs_api_client.models.restart_endpoint_request.RestartEndpointRequest,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[Any]
```

Restart Endpoint

Restart an entire endpoint or a single component within an endpoint.

Parameters

- **endpoint_id** (*str*) –
- **json_body** (*RestartEndpointRequest*) –

Returns *Response[Any]*

```
qcs_api_client.operations.sync.create_engagement(*, client: httpx.Client, json_body:
    qcs_api_client.models.create_engagement_request.CreateEngagementRequest,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.engagement_with_credentials]
```

Create Engagement

Create a new engagement using the specified parameters.

At least one of the following parameters must be supplied: - **endpointId**: The ID of the endpoint on which to engage. - **quantumProcessorId**: The ID of the quantum processor on which to engage, allowing the service to select a default endpoint. Ignored if **endpointId** is set.

Parameters *json_body* (*CreateEngagementRequest*) –

Returns *Response[EngagementWithCredentials]*

```
qcs_api_client.operations.sync.get_instruction_set_architecture(quantum_processor_id: str, *,
    client: httpx.Client,
    httpx_request_kwargs: Dict[str,
    Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.instruction_set_architecture]
```

Get Instruction Set Architecture

Retrieve the Instruction Set Architecture of a QuantumProcessor by ID.

Parameters `quantum_processor_id (str)` –

Returns `Response[InstructionSetArchitecture]`

```
qcs_api_client.operations.sync.get_quantum_processor(quantum_processor_id: str, *, client:
                                                    httpx.Client, httpx_request_kwargs: Dict[str,
                                                    Any] = {}) →
                                                    qcs_api_client.types.Response[qcs_api_client.models.quantum_pr
```

Get Quantum Processor

Retrieve a single QuantumProcessor by ID.

Parameters `quantum_processor_id (str)` – Public identifier for a quantum processor [example: Aspen-1]

Returns `Response[QuantumProcessor]`

```
qcs_api_client.operations.sync.list_quantum_processor_accessors(quantum_processor_id: str, *,
                                                                client: httpx.Client, page_size:
                                                                Union[qcs_api_client.types.Unset,
                                                                None, int] = 10, page_token:
                                                                Union[qcs_api_client.types.Unset,
                                                                None, str] = UNSET,
                                                                httpx_request_kwargs: Dict[str,
                                                                Any] = {}) →
                                                                qcs_api_client.types.Response[qcs_api_client.mode
```

List Quantum Processor Accessors

List all means of accessing a QuantumProcessor available to the user.

Parameters

- `quantum_processor_id (str)` – Public identifier for a quantum processor [example: Aspen-1]
- `page_size (Union[Unset, None, int])` – Default: 10.
- `page_token (Union[Unset, None, str])` –

Returns `Response[ListQuantumProcessorAccessorsResponse]`

```
qcs_api_client.operations.sync.list_quantum_processors(*, client: httpx.Client, page_size:
                                                       Union[qcs_api_client.types.Unset, None, int]
                                                       = 10, page_token:
                                                       Union[qcs_api_client.types.Unset, None, str]
                                                       = UNSET, httpx_request_kwargs: Dict[str,
                                                       Any] = {}) →
                                                       qcs_api_client.types.Response[qcs_api_client.models.list_quan
```

List Quantum Processors

List all QuantumProcessors available to the user.

Parameters

- **page_size** (*Union[Unset, None, int]*) – Default: 10.
- **page_token** (*Union[Unset, None, str]*) –

Returns *Response[ListQuantumProcessorsResponse]*

```
qcs_api_client.operations.sync.create_reservation(*, client: httpx.Client, json_body:
    qcs_api_client.models.create_reservation_request.CreateReservationRequest,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.reservation.ReservationResponse]
```

Create Reservation

Create a new reservation.

The following precedence applies when specifying the reservation subject account ID and type: * request body *accountId* field, or if unset then *X-QCS-ACCOUNT-ID* header, or if unset then requesting user's ID. * request body *accountType* field, or if unset then *X-QCS-ACCOUNT-TYPE* header, or if unset then "user" type.

Parameters *json_body* (*CreateReservationRequest*) –

Returns *Response[Reservation]*

```
qcs_api_client.operations.sync.delete_reservation(reservation_id: int, *, client: httpx.Client,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.reservation.ReservationResponse]
```

Delete Reservation

Cancel an existing reservation for the user.

Parameters *reservation_id* (*int*) –

Returns *Response[Reservation]*

```
qcs_api_client.operations.sync.find_available_reservations(*, client: httpx.Client,
    quantum_processor_id: str,
    start_time_from: datetime.datetime,
    duration: str, httpx_request_kwargs:
    Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.find_available_reservations.FindAvailableReservationsResponse]
```

Find Available Reservations

List currently available reservations on the requested Rigetti quantum computer.

Parameters

- **quantum_processor_id** (*str*) –
- **start_time_from** (*datetime.datetime*) –
- **duration** (*str*) – Formatted as specified for golang <https://golang.org/pkg/time/#ParseDuration>.

Returns *Response[FindAvailableReservationsResponse]*

```
qcs_api_client.operations.sync.list_group_reservations(group_name: str, *, client: httpx.Client,
    httpx_request_kwargs: Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.list_group_reservations.ListGroupReservationsResponse]
```

List Group Reservations

List existing reservations for the requested group.

Available filter fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer
- *quantumProcessorId* - string

Available order fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer

Parameters *group_name* (*str*) –

Returns Response[ListReservationsResponse]

```
qcs_api_client.operations.sync.list_reservations(*, client: httpx.Client, httpx_request_kwargs:
                                                Dict[str, Any] = {}) →
                                                qcs_api_client.types.Response[qcs_api_client.models.list_reservations_
```

List Reservations

List existing reservations for the authenticated user,

or a target user when specifying *X-QCS-ACCOUNT-ID* and *X-QCS-ACCOUNT-TYPE* headers.

Available filter fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer
- *cancelled* - boolean (deprecated, use *showDeleted* parameter)
- *quantumProcessorId* - string

Available order fields include:

- *startTime* - timestamp
- *endTime* - timestamp
- *createdTime* - timestamp
- *price* - integer

Returns Response[ListReservationsResponse]


```
qcs_api_client.operations.sync.get_quilt_calibrations(quantum_processor_id: str, *, client:
                                                    httpx.Client, httpx_request_kwargs: Dict[str,
                                                    Any] = {}) →
                                                    qcs_api_client.types.Response[qcs_api_client.models.get_quilt_c
```

Get Quilt Calibrations

Retrieve the calibration data used for client-side Quilt generation.

Parameters **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]

Returns `Response[GetQuiltCalibrationsResponse]`

```
qcs_api_client.operations.sync.translate_native_quil_to_encrypted_binary(quantum_processor_id:
                                                                        str, *, client:
                                                                        httpx.Client,
                                                                        json_body:
                                                                        qcs_api_client.models.translate_native_
                                                                        httpx_request_kwargs:
                                                                        Dict[str, Any] = {})
                                                                        →
                                                                        qcs_api_client.types.Response[qcs_api_c
```

Translate Native Quil To Encrypted Binary

Compile Rigetti-native Quil code to encrypted binary form, ready for execution on a Rigetti Quantum Processor.

Parameters

- **quantum_processor_id** (*str*) – Public identifier for a quantum processor [example: Aspen-1]
- **json_body** (`TranslateNativeQuilToEncryptedBinaryRequest`) –

Returns `Response[TranslateNativeQuilToEncryptedBinaryResponse]`

```
qcs_api_client.operations.sync_from_dict
```

Package Contents

Functions

```
add_group_user(→ qcs_api_client.types.Response[Any])
```

```
get_group_balance(...)
```

```
get_group_billing_customer(...)
```

```
get_group_upcoming_billing_invoice(...)
```

```
get_user_balance(...)
```

continues on next page

Table 5 – continued from previous page

<i>get_user_billing_customer(...)</i>
<i>get_user_upcoming_billing_invoice(...)</i>
<i>list_group_billing_invoice_lines(...)</i>
<i>list_group_billing_invoices(...)</i>
<i>list_group_upcoming_billing_invoice_lines(...)</i>
<i>list_group_users(...)</i>
<i>list_user_billing_invoice_lines(...)</i>
<i>list_user_billing_invoices(...)</i>
<i>list_user_groups(...)</i>
<i>list_user_upcoming_billing_invoice_lines(...)</i>
<i>remove_group_user</i> (→ qcs_api_client.types.Response[Any])
<i>auth_email_password_reset_token(...)</i>
<i>auth_get_user(...)</i>
<i>auth_reset_password</i> (→ qcs_api_client.types.Response[Any])
<i>auth_reset_password_with_token(...)</i>
<i>check_client_application(...)</i>
<i>get_client_application(...)</i>
<i>list_client_applications(...)</i>
<i>get_health(...)</i>
<i>health_check</i> (→ qcs_api_client.types.Response[Any])
<i>create_endpoint(...)</i>
<i>delete_endpoint</i> (→ qcs_api_client.types.Response[Any])
<i>get_default_endpoint(...)</i>
<i>get_endpoint(...)</i>
<i>list_endpoints(...)</i>

continues on next page

Table 5 – continued from previous page

<code>restart_endpoint(→</code>
<code>qcs_api_client.types.Response[Any])</code>
<code>create_engagement(...)</code>
<code>get_instruction_set_architecture(...)</code>
<code>get_quantum_processor(...)</code>
<code>list_quantum_processor_accessors(...)</code>
<code>list_quantum_processors(...)</code>
<code>create_reservation(...)</code>
<code>delete_reservation(...)</code>
<code>find_available_reservations(...)</code>
<code>list_group_reservations(...)</code>
<code>list_reservations(...)</code>
<code>get_quilt_calibrations(...)</code>
<code>translate_native_quil_to_encrypted_binary(...)</code>
<code>qcs_api_client.operations.sync_from_dict.add_group_user(*, client: httpx.Client, json_body_dict: Dict, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[Any]</code>
<code>qcs_api_client.operations.sync_from_dict.get_group_balance(group_name: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.account_balance]</code>
<code>qcs_api_client.operations.sync_from_dict.get_group_billing_customer(group_name: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.group_billing_customer]</code>
<code>qcs_api_client.operations.sync_from_dict.get_group_upcoming_billing_invoice(group_name: str, *, client: httpx.Client, httpx_request_kwargs: Dict[str, Any] = {}) → qcs_api_client.types.Response[qcs_api_client.models.group_upcoming_billing_invoice]</code>

```
qcs_api_client.operations.sync_from_dict.get_user_balance(user_id: str, *, client: httpx.Client,
                                                         httpx_request_kwargs: Dict[str, Any] =
                                                         {}) →
                                                         qcs_api_client.types.Response[qcs_api_client.models.account]

qcs_api_client.operations.sync_from_dict.get_user_billing_customer(user_id: str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.customer]

qcs_api_client.operations.sync_from_dict.get_user_upcoming_billing_invoice(user_id: str, *,
                                                                              client:
                                                                              httpx.Client,
                                                                              httpx_request_kwargs:
                                                                              Dict[str, Any] =
                                                                              {}) →
                                                                              qcs_api_client.types.Response[qcs_api_client.models.invoice]

qcs_api_client.operations.sync_from_dict.list_group_billing_invoice_lines(group_name: str,
                                                                            billing_invoice_id:
                                                                            str, *, client:
                                                                            httpx.Client,
                                                                            httpx_request_kwargs:
                                                                            Dict[str, Any] = {})
                                                                            →
                                                                            qcs_api_client.types.Response[qcs_api_client.models.invoice_line]

qcs_api_client.operations.sync_from_dict.list_group_billing_invoices(group_name: str, *, client:
                                                                       httpx.Client,
                                                                       httpx_request_kwargs:
                                                                       Dict[str, Any] = {}) →
                                                                       qcs_api_client.types.Response[qcs_api_client.models.invoice]

qcs_api_client.operations.sync_from_dict.list_group_upcoming_billing_invoice_lines(group_name:
                                                                                      str, *,
                                                                                      client:
                                                                                      httpx.Client,
                                                                                      httpx_request_kwargs:
                                                                                      Dict[str,
                                                                                      Any]
                                                                                      = {}) →
                                                                                      qcs_api_client.types.Response[qcs_api_client.models.invoice_line]

qcs_api_client.operations.sync_from_dict.list_group_users(group_name: str, *, client: httpx.Client,
                                                          httpx_request_kwargs: Dict[str, Any] =
                                                          {}) →
                                                          qcs_api_client.types.Response[qcs_api_client.models.list_group_user]
```

```

qcs_api_client.operations.sync_from_dict.list_user_billing_invoice_lines(user_id: str,
                                                                    billing_invoice_id:
                                                                    str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {})
→
qcs_api_client.types.Response[qcs_api_

qcs_api_client.operations.sync_from_dict.list_user_billing_invoices(user_id: str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
qcs_api_client.types.Response[qcs_api_client.

qcs_api_client.operations.sync_from_dict.list_user_groups(user_id: str, *, client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str, Any] =
                                                                    {}) →
qcs_api_client.types.Response[qcs_api_client.models.list_g

qcs_api_client.operations.sync_from_dict.list_user_upcoming_billing_invoice_lines(user_id:
                                                                    str, *,
                                                                    client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str,
                                                                    Any] =
                                                                    {}) →
qcs_api_client.types.Respon

qcs_api_client.operations.sync_from_dict.remove_group_user(*, client: httpx.Client, json_body_dict:
                                                                    Dict, httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
qcs_api_client.types.Response[Any]

qcs_api_client.operations.sync_from_dict.auth_email_password_reset_token(*, client:
                                                                    httpx.Client,
                                                                    json_body_dict:
                                                                    Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {})
→
qcs_api_client.types.Response[Any]

qcs_api_client.operations.sync_from_dict.auth_get_user(*, client: httpx.Client, httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
qcs_api_client.types.Response[qcs_api_client.models.user.User

qcs_api_client.operations.sync_from_dict.auth_reset_password(*, client: httpx.Client,
                                                                    json_body_dict: Dict,
                                                                    httpx_request_kwargs: Dict[str, Any]
                                                                    = {}) →
qcs_api_client.types.Response[Any]

```

```
qcs_api_client.operations.sync_from_dict.auth_reset_password_with_token(* , client: httpx.Client,
                                                                    json_body_dict: Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[Any]

qcs_api_client.operations.sync_from_dict.check_client_application(* , client: httpx.Client,
                                                                    json_body_dict: Dict,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mo

qcs_api_client.operations.sync_from_dict.get_client_application(client_application_name: str, *,
                                                                    client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mode

qcs_api_client.operations.sync_from_dict.list_client_applications(* , client: httpx.Client,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.mo

qcs_api_client.operations.sync_from_dict.get_health(* , client: httpx.Client, httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.health.Health

qcs_api_client.operations.sync_from_dict.health_check(* , client: httpx.Client, httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[Any]

qcs_api_client.operations.sync_from_dict.create_endpoint(* , client: httpx.Client, json_body_dict:
                                                                    Dict, httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.endpoi

qcs_api_client.operations.sync_from_dict.delete_endpoint(endpoint_id: str, *, client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[Any]

qcs_api_client.operations.sync_from_dict.get_default_endpoint(quantum_processor_id: str, *,
                                                                    client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.

qcs_api_client.operations.sync_from_dict.get_endpoint(endpoint_id: str, *, client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.endpoint.E
```

```

qcs_api_client.operations.sync_from_dict.list_endpoints(*, client: httpx.Client, filter_:
    Union[qcs_api_client.types.Unset, None,
    str] = UNSET, page_size:
    Union[qcs_api_client.types.Unset, None,
    int] = 10, page_token:
    Union[qcs_api_client.types.Unset, None,
    str] = UNSET, httpx_request_kwargs:
    Dict[str, Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.list_endp

qcs_api_client.operations.sync_from_dict.restart_endpoint(endpoint_id: str, *, client: httpx.Client,
    json_body_dict: Dict,
    httpx_request_kwargs: Dict[str, Any] =
    {}) →
    qcs_api_client.types.Response[Any]

qcs_api_client.operations.sync_from_dict.create_engagement(*, client: httpx.Client, json_body_dict:
    Dict, httpx_request_kwargs: Dict[str,
    Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.models.engag

qcs_api_client.operations.sync_from_dict.get_instruction_set_architecture(quantum_processor_id:
    str, *, client:
    httpx.Client,
    httpx_request_kwargs:
    Dict[str, Any] = {})
    →
    qcs_api_client.types.Response[qcs_ap

qcs_api_client.operations.sync_from_dict.get_quantum_processor(quantum_processor_id: str, *,
    client: httpx.Client,
    httpx_request_kwargs: Dict[str,
    Any] = {}) →
    qcs_api_client.types.Response[qcs_api_client.model

qcs_api_client.operations.sync_from_dict.list_quantum_processor_accessors(quantum_processor_id:
    str, *, client:
    httpx.Client,
    page_size:
    Union[qcs_api_client.types.Unset,
    None, int] = 10,
    page_token:
    Union[qcs_api_client.types.Unset,
    None, str] =
    UNSET,
    httpx_request_kwargs:
    Dict[str, Any] = {})
    →
    qcs_api_client.types.Response[qcs_ap

```

```
qcs_api_client.operations.sync_from_dict.list_quantum_processors(* , client: httpx.Client,
                                                                    page_size:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, int] = 10, page_token:
                                                                    Union[qcs_api_client.types.Unset,
                                                                    None, str] = UNSET,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.quantum_processor]

qcs_api_client.operations.sync_from_dict.create_reservation(* , client: httpx.Client, json_body_dict:
                                                                    Dict, httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.reservation]

qcs_api_client.operations.sync_from_dict.delete_reservation(reservation_id: int, *, client:
                                                                    httpx.Client, httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.reservation]

qcs_api_client.operations.sync_from_dict.find_available_reservations(* , client: httpx.Client,
                                                                    quantum_processor_id:
                                                                    str, start_time_from:
                                                                    datetime.datetime,
                                                                    duration: str,
                                                                    httpx_request_kwargs:
                                                                    Dict[str, Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.reservation]

qcs_api_client.operations.sync_from_dict.list_group_reservations(group_name: str, *, client:
                                                                    httpx.Client,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.reservation]

qcs_api_client.operations.sync_from_dict.list_reservations(* , client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str, Any] =
                                                                    {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.reservation]

qcs_api_client.operations.sync_from_dict.get_quilt_calibrations(quantum_processor_id: str, *,
                                                                    client: httpx.Client,
                                                                    httpx_request_kwargs: Dict[str,
                                                                    Any] = {}) →
                                                                    qcs_api_client.types.Response[qcs_api_client.models.reservation]
```


`qcs_api_client.operations.sync_from_dict.translate_native_quil_to_encrypted_binary`(*quantum_processor_id*:
str, *,
client:
httpx.Client,
json_body_dict:
Dict,
httpx_request_kwargs:
Dict[str,
Any]
= {}) →
qcs_api_client.types.Response

`qcs_api_client.util`

Submodules

`qcs_api_client.util.errors`

Module Contents

Classes

QCSHTTPStatusError

Functions

raise_for_status(res) Raise the *QCSHTTPStatusError* if one occurred.

class `qcs_api_client.util.errors.QCSHTTPStatusError`(*message*: str, *, *response*: httpx.Response, *error*:
Optional[`qcs_api_client.models.error.Error`])

Bases: `httpx.HTTPStatusError`

`qcs_api_client.util.errors.raise_for_status`(*res*: httpx.Response)
Raise the *QCSHTTPStatusError* if one occurred.

`qcs_api_client.util.retry`

Module Contents

`qcs_api_client.util.retry.DEFAULT_RETRY_STATUS_CODES`
`qcs_api_client.util.retry.DEFAULT_RETRY_ARGUMENTS`

qcs_api_client.util.serialization

Module Contents

Functions

is_not_none(\rightarrow bool)

qcs_api_client.util.serialization.**is_not_none**(*value: Any*) \rightarrow bool

2.1.1.2 Submodules

qcs_api_client.types

Contains some shared types for properties

Module Contents

Classes

<i>File</i>	Contains information for file uploads
<i>Response</i>	Response from an API endpoint.

class qcs_api_client.types.**File**

Contains information for file uploads

payload :Union[BinaryIO, TextIO]

file_name :Optional[str]

mime_type :Optional[str]

to_tuple() \rightarrow Tuple[Optional[str], Union[BinaryIO, TextIO], Optional[str]]

Return a tuple representation that httpx will accept for multipart/form-data

class qcs_api_client.types.**Response**

Bases: httpx.Response, Generic[T]

Response from an API endpoint.

Serves as a minimal wrapper around an httpx.Response object, supporting parsing into a known API response type.

classmethod **build_from_httpx_response**(**response: httpx.Response*, *parse_function: Callable[[httpx.Response], T]*) \rightarrow *Response*

Mutate an httpx.Response into a Response by respecifying the class and applying required values.

property **parsed** \rightarrow T

Return the response body parsed into an API model.

Value is memoized after the first successful call.

PYTHON MODULE INDEX

q

[qcs_api_client](#), 5
[qcs_api_client.api](#), 5
[qcs_api_client.api.account](#), 5
[qcs_api_client.api.account.add_group_user](#), 5
[qcs_api_client.api.account.get_group_balance](#), 6
[qcs_api_client.api.account.get_group_billing_customer](#), 7
[qcs_api_client.api.account.get_group_upcoming_billing_invoice](#), 8
[qcs_api_client.api.account.get_user_balance](#), 9
[qcs_api_client.api.account.get_user_billing_customer](#), 10
[qcs_api_client.api.account.get_user_upcoming_billing_invoice](#), 11
[qcs_api_client.api.account.list_group_billing_invoice_lines](#), 12
[qcs_api_client.api.account.list_group_billing_invoices](#), 14
[qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines](#), 15
[qcs_api_client.api.account.list_group_users](#), 16
[qcs_api_client.api.account.list_user_billing_invoice_lines](#), 17
[qcs_api_client.api.account.list_user_billing_invoices](#), 18
[qcs_api_client.api.account.list_user_groups](#), 19
[qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines](#), 20
[qcs_api_client.api.account.remove_group_user](#), 21
[qcs_api_client.api.authentication](#), 22
[qcs_api_client.api.authentication.auth_email_password_reset_token](#), 22
[qcs_api_client.api.authentication.auth_get_user](#), 24
[qcs_api_client.api.authentication.auth_reset_password](#), 25
[qcs_api_client.api.authentication.auth_reset_password_with_token](#), 26
[qcs_api_client.api.client_applications](#), 27
[qcs_api_client.api.client_applications.check_client_applications](#), 27
[qcs_api_client.api.client_applications.get_client_applications](#), 28
[qcs_api_client.api.client_applications.list_client_applications](#), 30
[qcs_api_client.api.default](#), 31
[qcs_api_client.api.default.get_health](#), 31
[qcs_api_client.api.default.health_check](#), 32
[qcs_api_client.api.endpoints](#), 32
[qcs_api_client.api.endpoints.create_endpoint](#), 32
[qcs_api_client.api.endpoints.delete_endpoint](#), 34
[qcs_api_client.api.endpoints.get_default_endpoint](#), 35
[qcs_api_client.api.endpoints.get_endpoint](#), 36
[qcs_api_client.api.endpoints.list_endpoints](#), 37
[qcs_api_client.api.endpoints.restart_endpoint](#), 38
[qcs_api_client.api.engagements](#), 40
[qcs_api_client.api.engagements.create_engagement](#), 40
[qcs_api_client.api.quantum_processors](#), 41
[qcs_api_client.api.quantum_processors.get_instruction_set](#), 41
[qcs_api_client.api.quantum_processors.get_quantum_processors](#), 43
[qcs_api_client.api.quantum_processors.list_quantum_processors](#), 44
[qcs_api_client.api.reservations](#), 48
[qcs_api_client.api.reservations.create_reservation](#), 48
[qcs_api_client.api.reservations.delete_reservation](#), 49
[qcs_api_client.api.reservations.find_available_reservation](#), 49

50 qcs_api_client.models.billing_product, 86
 qcs_api_client.api.reservations.list_group_reservations, 87
 52 qcs_api_client.models.billing_product_object,
 qcs_api_client.api.reservations.list_reservations, 88
 54 qcs_api_client.models.billing_upcoming_invoice,
 qcs_api_client.api.translation, 55 qcs_api_client.models.characteristic, 89
 qcs_api_client.api.translation.get_quilt_calibrations, 90 qcs_api_client.models.check_client_application_request,
 55 qcs_api_client.models.client_application_response,
 qcs_api_client.api.translation.translate_native_to_encrypted_model_binary, 92
 56 qcs_api_client.models.checksum_description,
 qcs_api_client.client, 58 qcs_api_client.models.checksum_description_type,
 qcs_api_client.client.auth, 58 qcs_api_client.models.client_application, 94
 qcs_api_client.client.client, 59 qcs_api_client.models.client_applications_download_link,
 qcs_api_client.models, 66 qcs_api_client.models.create_endpoint_parameters,
 qcs_api_client.models.account_balance, 66 qcs_api_client.models.create_engagement_request,
 qcs_api_client.models.account_type, 67 qcs_api_client.models.create_reservation_request,
 qcs_api_client.models.add_group_user_request, 95
 67 qcs_api_client.models.architecture, 68 qcs_api_client.models.create_engagement_request,
 qcs_api_client.models.auth_email_password_reset_request, 97
 69 qcs_api_client.models.auth_reset_password_request, 99
 70 qcs_api_client.models.auth_reset_password_with_token_request, 100
 71 qcs_api_client.models.available_reservation, 101
 72 qcs_api_client.models.billing_customer, 73 qcs_api_client.models.endpoint, 102
 qcs_api_client.models.billing_invoice, 74 qcs_api_client.models.endpoint_addresses, 103
 qcs_api_client.models.billing_invoice_line, qcs_api_client.models.engagement_credentials,
 76 qcs_api_client.models.billing_invoice_line_line_item_type, 104
 qcs_api_client.models.billing_invoice_line_line_item_type, 105
 77 qcs_api_client.models.billing_invoice_line_metadata, 108
 78 qcs_api_client.models.billing_invoice_status, qcs_api_client.models.error, 107
 78 qcs_api_client.models.billing_price, 79 qcs_api_client.models.family, 108
 qcs_api_client.models.billing_price_object, qcs_api_client.models.find_available_reservations_response,
 81 qcs_api_client.models.billing_price_price_type, 112
 qcs_api_client.models.billing_price_recurrence, 114
 82 qcs_api_client.models.billing_price_recurrence_aggregate_usage,
 83 qcs_api_client.models.billing_price_recurrence_interval, 116
 84 qcs_api_client.models.billing_price_recurrence_usage_type, 118
 84 qcs_api_client.models.billing_price_scheme, 119
 85 qcs_api_client.models.billing_price_tiers_mode, 119
 86 qcs_api_client.models.list_groups_response,

120
qcs_api_client.models.list_quantum_processor_accessors_response,
121
qcs_api_client.models.list_quantum_processors_response,
122
qcs_api_client.models.list_reservations_response,
123
qcs_api_client.models.node, 124
qcs_api_client.models.nomad_job_datacenters,
124
qcs_api_client.models.operation, 125
qcs_api_client.models.operation_site, 126
qcs_api_client.models.parameter, 127
qcs_api_client.models.parameter_spec, 127
qcs_api_client.models.quantum_processor, 128
qcs_api_client.models.quantum_processor_accessor,
129
qcs_api_client.models.quantum_processor_accessor_type,
130
qcs_api_client.models.remove_group_user_request,
131
qcs_api_client.models.reservation, 132
qcs_api_client.models.restart_endpoint_request,
134
qcs_api_client.models.tier, 135
qcs_api_client.models.translate_native_quil_to_encrypted_binary_request,
136
qcs_api_client.models.translate_native_quil_to_encrypted_binary_response,
137
qcs_api_client.models.translate_native_quil_to_encrypted_binary_response_memory_descriptors,
139
qcs_api_client.models.user, 139
qcs_api_client.models.user_credentials, 141
qcs_api_client.models.user_credentials_password,
141
qcs_api_client.models.user_profile, 142
qcs_api_client.models.validation_error, 143
qcs_api_client.models.validation_error_in,
145
qcs_api_client.operations, 196
qcs_api_client.operations.asyncio, 196
qcs_api_client.operations.asyncio_from_dict,
209
qcs_api_client.operations.sync, 218
qcs_api_client.operations.sync_from_dict, 229
qcs_api_client.types, 238
qcs_api_client.util, 237
qcs_api_client.util.errors, 237
qcs_api_client.util.retry, 237
qcs_api_client.util.serialization, 238

INDEX

Symbols

`__contains__()` (`qcs_api_client.models.AccountBalance` method), 149
`__contains__()` (`qcs_api_client.models.AddGroupUserRequest` method), 150
`__contains__()` (`qcs_api_client.models.AuthEmailPasswordResetTokenRequest` method), 151
`__contains__()` (`qcs_api_client.models.AuthResetPasswordRequest` method), 152
`__contains__()` (`qcs_api_client.models.AuthResetPasswordWithTokenRequest` method), 152
`__contains__()` (`qcs_api_client.models.AvailableReservation` method), 153
`__contains__()` (`qcs_api_client.models.BillingCustomer` method), 154
`__contains__()` (`qcs_api_client.models.BillingInvoice` method), 155
`__contains__()` (`qcs_api_client.models.BillingInvoiceLine` method), 156
`__contains__()` (`qcs_api_client.models.BillingInvoiceLineMetadata` method), 156
`__contains__()` (`qcs_api_client.models.BillingPrice` method), 158
`__contains__()` (`qcs_api_client.models.BillingPriceRecurring` method), 160
`__contains__()` (`qcs_api_client.models.BillingProduct` method), 162
`__contains__()` (`qcs_api_client.models.BillingUpcomingInvoice` method), 163
`__contains__()` (`qcs_api_client.models.CheckClientApplicationRequest` method), 165
`__contains__()` (`qcs_api_client.models.CheckClientApplicationResponse` method), 165
`__contains__()` (`qcs_api_client.models.ChecksumDescription` method), 166
`__contains__()` (`qcs_api_client.models.ClientApplication` method), 167
`__contains__()` (`qcs_api_client.models.ClientApplicationsDownloadLink` method), 168
`__contains__()` (`qcs_api_client.models.CreateEndpointParameters` method), 168
`__contains__()` (`qcs_api_client.models.CreateEngagementRequest` method), 169
`__contains__()` (`qcs_api_client.models.CreateReservationRequest` method), 170
`__contains__()` (`qcs_api_client.models.Dictionary` method), 170
`__contains__()` (`qcs_api_client.models.Endpoint` method), 172
`__contains__()` (`qcs_api_client.models.EndpointAddresses` method), 172
`__contains__()` (`qcs_api_client.models.EngagementCredentials` method), 173
`__contains__()` (`qcs_api_client.models.EngagementWithCredentials` method), 174
`__contains__()` (`qcs_api_client.models.Error` method), 175
`__contains__()` (`qcs_api_client.models.FindAvailableReservationsResponse` method), 176
`__contains__()` (`qcs_api_client.models.GetQuiltCalibrationsResponse` method), 177
`__contains__()` (`qcs_api_client.models.Group` method), 177
`__contains__()` (`qcs_api_client.models.Health` method), 178
`__contains__()` (`qcs_api_client.models.InviteUserRequest` method), 179
`__contains__()` (`qcs_api_client.models.ListAccountBillingInvoiceLinesResponse` method), 180
`__contains__()` (`qcs_api_client.models.ListAccountBillingInvoicesResponse` method), 180
`__contains__()` (`qcs_api_client.models.ListClientApplicationsResponse` method), 180
`__contains__()` (`qcs_api_client.models.ListEndpointsResponse` method), 181
`__contains__()` (`qcs_api_client.models.ListGroupUsersResponse` method), 181
`__contains__()` (`qcs_api_client.models.ListGroupsResponse` method), 182
`__contains__()` (`qcs_api_client.models.ListQuantumProcessorAccessorsResponse` method), 182
`__contains__()` (`qcs_api_client.models.ListQuantumProcessorsResponse` method), 183
`__contains__()` (`qcs_api_client.models.ListReservationsResponse` method), 183

method), 120
 __contains__ (qcs_api_client.models.list_quantum_processor_requests) (qcs_api_client.models.BillingInvoiceResponse
 method), 121
 __contains__ (qcs_api_client.models.list_quantum_processor_requests) (qcs_api_client.models.BillingPrice
 method), 122
 __contains__ (qcs_api_client.models.list_reservations_response) (qcs_api_client.models.BillingPriceRecurrence
 method), 123
 __contains__ (qcs_api_client.models.parameter_spec.ParameterSpec) (qcs_api_client.models.BillingProduct
 method), 128
 __contains__ (qcs_api_client.models.quantum_processor_definition) (qcs_api_client.models.BillingUpcomingInvoice
 method), 129
 __contains__ (qcs_api_client.models.quantum_processor_definition) (qcs_api_client.models.CheckClientApplicationRequest
 method), 130
 __contains__ (qcs_api_client.models.remove_group_user_definition) (qcs_api_client.models.CheckClientApplicationResponse
 method), 132
 __contains__ (qcs_api_client.models.reservation.Reservation) (qcs_api_client.models.ChecksumDescription
 method), 134
 __contains__ (qcs_api_client.models.restart_endpoint_request) (qcs_api_client.models.ClientApplication
 method), 135
 __contains__ (qcs_api_client.models.tier.Tier) (qcs_api_client.models.ClientApplicationsDownloadLink
 method), 136
 __contains__ (qcs_api_client.models.translate_native_quil_definition) (qcs_api_client.models.ClientApplicationBinary
 method), 137
 __contains__ (qcs_api_client.models.translate_native_quil_definition) (qcs_api_client.models.ClientApplicationBinary
 method), 138
 __contains__ (qcs_api_client.models.translate_native_quil_definition) (qcs_api_client.models.ClientApplicationBinary
 method), 139
 __contains__ (qcs_api_client.models.user.User) (qcs_api_client.models.Dictionary
 method), 140
 __contains__ (qcs_api_client.models.user_credentials.UserCredentials) (qcs_api_client.models.Endpoint
 method), 141
 __contains__ (qcs_api_client.models.user_credentials_password_definition) (qcs_api_client.models.EndpointAddresses
 method), 142
 __contains__ (qcs_api_client.models.user_profile.UserProfile) (qcs_api_client.models.EndpointAddresses
 method), 143
 __contains__ (qcs_api_client.models.validation_error.ValidationError) (qcs_api_client.models.EndpointAddresses
 method), 144
 __delitem__ (qcs_api_client.models.AccountBalance) (qcs_api_client.models.EndpointAddresses
 method), 149
 __delitem__ (qcs_api_client.models.AddGroupUserRequest) (qcs_api_client.models.EndpointAddresses
 method), 150
 __delitem__ (qcs_api_client.models.AuthEmailPasswordResetRequest) (qcs_api_client.models.EndpointAddresses
 method), 151
 __delitem__ (qcs_api_client.models.AuthResetPasswordRequest) (qcs_api_client.models.EndpointAddresses
 method), 152
 __delitem__ (qcs_api_client.models.AuthResetPasswordWithTokenRequest) (qcs_api_client.models.EndpointAddresses
 method), 152
 __delitem__ (qcs_api_client.models.AvailableReservation) (qcs_api_client.models.EndpointAddresses
 method), 153
 __delitem__ (qcs_api_client.models.BillingCustomer) (qcs_api_client.models.EndpointAddresses
 method), 154
 __delitem__ (qcs_api_client.models.BillingInvoice) (qcs_api_client.models.EndpointAddresses
 method), 155
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 156
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 156
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 158
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 160
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 162
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 163
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 165
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 166
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 167
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 168
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 169
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 170
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 171
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 172
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 173
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 174
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 175
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 176
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 177
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 178
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 179
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 180
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 180
 __delitem__ (qcs_api_client.models.BillingInvoiceLine) (qcs_api_client.models.EndpointAddresses
 method), 180

`method), 180`
`__delitem__()` (`qcs_api_client.models.ListEndpointsResponse`
`method), 181`
`__delitem__()` (`qcs_api_client.models.ListGroupUsersResponse`
`method), 181`
`__delitem__()` (`qcs_api_client.models.ListGroupsResponse`
`method), 182`
`__delitem__()` (`qcs_api_client.models.ListQuantumProcessorsResponse`
`method), 182`
`__delitem__()` (`qcs_api_client.models.ListQuantumProcessorsResponse`
`method), 183`
`__delitem__()` (`qcs_api_client.models.ListReservationsResponse`
`method), 183`
`__delitem__()` (`qcs_api_client.models.ParameterSpec`
`method), 186`
`__delitem__()` (`qcs_api_client.models.QuantumProcessor`
`method), 186`
`__delitem__()` (`qcs_api_client.models.QuantumProcessorAdapter`
`method), 187`
`__delitem__()` (`qcs_api_client.models.RemoveGroupUserRequest`
`method), 188`
`__delitem__()` (`qcs_api_client.models.Reservation`
`method), 190`
`__delitem__()` (`qcs_api_client.models.RestartEndpointRequest`
`method), 190`
`__delitem__()` (`qcs_api_client.models.Tier` `method), 191`
`__delitem__()` (`qcs_api_client.models.TranslateNativeQuilToElasmocoqRequest`
`method), 192`
`__delitem__()` (`qcs_api_client.models.TranslateNativeQuilToElasmocoqResponse`
`method), 192`
`__delitem__()` (`qcs_api_client.models.TranslateNativeQuilToElasmocoqResponseMetadata`
`method), 193`
`__delitem__()` (`qcs_api_client.models.User` `method), 193`
`__delitem__()` (`qcs_api_client.models.UserCredentials`
`method), 194`
`__delitem__()` (`qcs_api_client.models.UserCredentialsPassword`
`method), 194`
`__delitem__()` (`qcs_api_client.models.UserProfile` `method), 195`
`__delitem__()` (`qcs_api_client.models.ValidationError` `method), 195`
`__delitem__()` (`qcs_api_client.models.account_balance.AccountBalance`
`method), 66`
`__delitem__()` (`qcs_api_client.models.add_group_user_request.AddGroupUserRequest`
`method), 68`
`__delitem__()` (`qcs_api_client.models.auth_email_password_reset_request.AuthEmailPasswordResetRequest`
`method), 70`
`__delitem__()` (`qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest`
`method), 71`
`__delitem__()` (`qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest`
`method), 72`
`__delitem__()` (`qcs_api_client.models.available_reservation_request.AvailableReservationRequest`
`method), 73`
`__delitem__()` (`qcs_api_client.models.billing_customer.BillingCustomer`
`method), 74`
`__delitem__()` (`qcs_api_client.models.billing_invoice.BillingInvoice`
`method), 76`
`__delitem__()` (`qcs_api_client.models.billing_invoice_line.BillingInvoiceLine`
`method), 77`
`__delitem__()` (`qcs_api_client.models.billing_invoice_line_metadata.BillingInvoiceLineMetadata`
`method), 78`
`__delitem__()` (`qcs_api_client.models.billing_price.BillingPrice`
`method), 81`
`__delitem__()` (`qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence`
`method), 83`
`__delitem__()` (`qcs_api_client.models.billing_product.BillingProduct`
`method), 87`
`__delitem__()` (`qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice`
`method), 89`
`__delitem__()` (`qcs_api_client.models.check_client_application_request.CheckClientApplicationRequest`
`method), 91`
`__delitem__()` (`qcs_api_client.models.check_client_application_response.CheckClientApplicationResponse`
`method), 92`
`__delitem__()` (`qcs_api_client.models.checksum_description.ChecksumDescription`
`method), 93`
`__delitem__()` (`qcs_api_client.models.client_application.ClientApplication`
`method), 95`
`__delitem__()` (`qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink`
`method), 96`
`__delitem__()` (`qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters`
`method), 97`
`__delitem__()` (`qcs_api_client.models.create_engagement_request.CreateEngagementRequest`
`method), 98`
`__delitem__()` (`qcs_api_client.models.create_reservation_request.CreateReservationRequest`
`method), 100`
`__delitem__()` (`qcs_api_client.models.dictionary.Dictionary`
`method), 101`
`__delitem__()` (`qcs_api_client.models.endpoint.Endpoint`
`method), 103`
`__delitem__()` (`qcs_api_client.models.endpoint_addresses.EndpointAddresses`
`method), 104`
`__delitem__()` (`qcs_api_client.models.engagement_credentials.EngagementCredentials`
`method), 105`
`__delitem__()` (`qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials`
`method), 106`
`__delitem__()` (`qcs_api_client.models.error.Error` `method), 107`
`__delitem__()` (`qcs_api_client.models.find_available_reservations_response.FindAvailableReservationsResponse`
`method), 109`
`__delitem__()` (`qcs_api_client.models.get_auth_email_password_reset_response.GetAuthEmailPasswordResetResponse`
`method), 110`
`__delitem__()` (`qcs_api_client.models.group.Group`
`method), 111`
`__delitem__()` (`qcs_api_client.models.group.Group`
`method), 111`
`__delitem__()` (`qcs_api_client.models.group.Group`
`method), 112`
`__delitem__()` (`qcs_api_client.models.invite_user_request.InviteUserRequest`
`method), 113`

<i>method</i>), 176	<i>method</i>), 195
<code>__getitem__()</code> (<i>qcs_api_client.models.Group</i> <i>method</i>), 177	<code>__getitem__()</code> (<i>qcs_api_client.models.account_balance.AccountBalance</i> <i>method</i>), 66
<code>__getitem__()</code> (<i>qcs_api_client.models.Health</i> <i>method</i>), 178	<code>__getitem__()</code> (<i>qcs_api_client.models.add_group_user_request.AddGroupUserRequest</i> <i>method</i>), 68
<code>__getitem__()</code> (<i>qcs_api_client.models.InviteUserRequest</i> <i>method</i>), 179	<code>__getitem__()</code> (<i>qcs_api_client.models.auth_email_password_reset_token.AuthEmailPasswordResetToken</i> <i>method</i>), 70
<code>__getitem__()</code> (<i>qcs_api_client.models.ListAccountBillingInvoicesResponse</i> <i>method</i>), 179	<code>__getitem__()</code> (<i>qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest</i> <i>method</i>), 71
<code>__getitem__()</code> (<i>qcs_api_client.models.ListAccountBillingInvoicesResponse</i> <i>method</i>), 180	<code>__getitem__()</code> (<i>qcs_api_client.models.auth_reset_password_with_token.AuthResetPasswordWithToken</i> <i>method</i>), 72
<code>__getitem__()</code> (<i>qcs_api_client.models.ListClientApplicationsResponse</i> <i>method</i>), 180	<code>__getitem__()</code> (<i>qcs_api_client.models.available_reservation.AvailableReservation</i> <i>method</i>), 73
<code>__getitem__()</code> (<i>qcs_api_client.models.ListEndpointsResponse</i> <i>method</i>), 181	<code>__getitem__()</code> (<i>qcs_api_client.models.billing_customer.BillingCustomer</i> <i>method</i>), 74
<code>__getitem__()</code> (<i>qcs_api_client.models.ListGroupUsersResponse</i> <i>method</i>), 181	<code>__getitem__()</code> (<i>qcs_api_client.models.billing_invoice.BillingInvoice</i> <i>method</i>), 76
<code>__getitem__()</code> (<i>qcs_api_client.models.ListGroupsResponse</i> <i>method</i>), 182	<code>__getitem__()</code> (<i>qcs_api_client.models.billing_invoice_line.BillingInvoiceLine</i> <i>method</i>), 77
<code>__getitem__()</code> (<i>qcs_api_client.models.ListQuantumProcessorsResponse</i> <i>method</i>), 182	<code>__getitem__()</code> (<i>qcs_api_client.models.billing_invoice_line_metadata.BillingInvoiceLineMetadata</i> <i>method</i>), 78
<code>__getitem__()</code> (<i>qcs_api_client.models.ListQuantumProcessorsResponse</i> <i>method</i>), 183	<code>__getitem__()</code> (<i>qcs_api_client.models.billing_price.BillingPrice</i> <i>method</i>), 81
<code>__getitem__()</code> (<i>qcs_api_client.models.ListReservationsResponse</i> <i>method</i>), 183	<code>__getitem__()</code> (<i>qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence</i> <i>method</i>), 83
<code>__getitem__()</code> (<i>qcs_api_client.models.ParameterSpec</i> <i>method</i>), 186	<code>__getitem__()</code> (<i>qcs_api_client.models.billing_product.BillingProduct</i> <i>method</i>), 87
<code>__getitem__()</code> (<i>qcs_api_client.models.QuantumProcessor</i> <i>method</i>), 186	<code>__getitem__()</code> (<i>qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice</i> <i>method</i>), 89
<code>__getitem__()</code> (<i>qcs_api_client.models.QuantumProcessorAgent</i> <i>method</i>), 187	<code>__getitem__()</code> (<i>qcs_api_client.models.check_client_application_request.CheckClientApplicationRequest</i> <i>method</i>), 91
<code>__getitem__()</code> (<i>qcs_api_client.models.RemoveGroupUserRequest</i> <i>method</i>), 188	<code>__getitem__()</code> (<i>qcs_api_client.models.check_client_application_response.CheckClientApplicationResponse</i> <i>method</i>), 92
<code>__getitem__()</code> (<i>qcs_api_client.models.Reservation</i> <i>method</i>), 190	<code>__getitem__()</code> (<i>qcs_api_client.models.checksum_description.ChecksumDescription</i> <i>method</i>), 93
<code>__getitem__()</code> (<i>qcs_api_client.models.RestartEndpointRequest</i> <i>method</i>), 190	<code>__getitem__()</code> (<i>qcs_api_client.models.client_application.ClientApplication</i> <i>method</i>), 95
<code>__getitem__()</code> (<i>qcs_api_client.models.Tier</i> <i>method</i>), 191	<code>__getitem__()</code> (<i>qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink</i> <i>method</i>), 96
<code>__getitem__()</code> (<i>qcs_api_client.models.TranslateNativeQuilToEntryPointRequest</i> <i>method</i>), 191	<code>__getitem__()</code> (<i>qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters</i> <i>method</i>), 97
<code>__getitem__()</code> (<i>qcs_api_client.models.TranslateNativeQuilToEntryPointRequest</i> <i>method</i>), 192	<code>__getitem__()</code> (<i>qcs_api_client.models.create_engagement_request.CreateEngagementRequest</i> <i>method</i>), 98
<code>__getitem__()</code> (<i>qcs_api_client.models.TranslateNativeQuilToEntryPointRequest</i> <i>method</i>), 193	<code>__getitem__()</code> (<i>qcs_api_client.models.create_reservation_request.CreateReservationRequest</i> <i>method</i>), 100
<code>__getitem__()</code> (<i>qcs_api_client.models.User</i> <i>method</i>), 193	<code>__getitem__()</code> (<i>qcs_api_client.models.dictionary.Dictionary</i> <i>method</i>), 100
<code>__getitem__()</code> (<i>qcs_api_client.models.UserCredentials</i> <i>method</i>), 194	<code>__getitem__()</code> (<i>qcs_api_client.models.endpoint.Endpoint</i> <i>method</i>), 103
<code>__getitem__()</code> (<i>qcs_api_client.models.UserCredentialsPassword</i> <i>method</i>), 194	<code>__getitem__()</code> (<i>qcs_api_client.models.endpoint_addresses.EndpointAddresses</i> <i>method</i>), 104
<code>__getitem__()</code> (<i>qcs_api_client.models.UserProfile</i> <i>method</i>), 195	<code>__getitem__()</code> (<i>qcs_api_client.models.engagement_credentials.EngagementCredentials</i> <i>method</i>), 105
<code>__getitem__()</code> (<i>qcs_api_client.models.ValidationError</i> <i>method</i>), 195	<code>__getitem__()</code> (<i>qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials</i> <i>method</i>), 105

method), 172
 __setitem__(qcs_api_client.models.EndpointAddresses__setitem__(qcs_api_client.models.TranslateNativeQuilToEncryptedB
 method), 172
 __setitem__(qcs_api_client.models.EngagementCredentials__setitem__(qcs_api_client.models.User method),
 method), 173
 __setitem__(qcs_api_client.models.EngagementWithCredentials__setitem__(qcs_api_client.models.UserCredentials
 method), 174
 __setitem__(qcs_api_client.models.Error method), __setitem__(qcs_api_client.models.UserCredentialsPassword
 175
 __setitem__(qcs_api_client.models.FindAvailableReservations__setitem__(qcs_api_client.models.UserProfile
 method), 176
 __setitem__(qcs_api_client.models.GetQuilCalibrations__setitem__(qcs_api_client.models.ValidationErrors
 method), 176
 __setitem__(qcs_api_client.models.Group method), __setitem__(qcs_api_client.models.account_balance.AccountBalance
 177
 __setitem__(qcs_api_client.models.Health method), __setitem__(qcs_api_client.models.add_group_user_request.AddGroup
 178
 __setitem__(qcs_api_client.models.InviteUserRequest__setitem__(qcs_api_client.models.auth_email_password_reset_token
 method), 179
 __setitem__(qcs_api_client.models.ListAccountBillingInvoices__setitem__(qcs_api_client.models.auth_reset_password_request.Auth
 method), 179
 __setitem__(qcs_api_client.models.ListAccountBillingInvoices__setitem__(qcs_api_client.models.auth_reset_password_with_token
 method), 180
 __setitem__(qcs_api_client.models.ListClientApplications__setitem__(qcs_api_client.models.available_reservation.AvailableRe
 method), 180
 __setitem__(qcs_api_client.models.ListEndpointsResponse__setitem__(qcs_api_client.models.billing_customer.BillingCustomer
 method), 181
 __setitem__(qcs_api_client.models.ListGroupUsersResponse__setitem__(qcs_api_client.models.billing_invoice.BillingInvoice
 method), 181
 __setitem__(qcs_api_client.models.ListGroupsResponse__setitem__(qcs_api_client.models.billing_invoice_line.BillingInvoice
 method), 182
 __setitem__(qcs_api_client.models.ListQuantumProcessorsResponse__setitem__(qcs_api_client.models.billing_invoice_line_metadata.Bil
 method), 182
 __setitem__(qcs_api_client.models.ListQuantumProcessorsResponse__setitem__(qcs_api_client.models.billing_price.BillingPrice
 method), 183
 __setitem__(qcs_api_client.models.ListReservationsResponse__setitem__(qcs_api_client.models.billing_price_recurrence.BillingPr
 method), 183
 __setitem__(qcs_api_client.models.ParameterSpec __setitem__(qcs_api_client.models.billing_product.BillingProduct
 method), 186
 __setitem__(qcs_api_client.models.QuantumProcessor__setitem__(qcs_api_client.models.billing_upcoming_invoice.BillingU
 method), 186
 __setitem__(qcs_api_client.models.QuantumProcessorAssemblies__setitem__(qcs_api_client.models.check_client_application_request.
 method), 187
 __setitem__(qcs_api_client.models.RemoveGroupUserRequest__setitem__(qcs_api_client.models.check_client_application_response
 method), 188
 __setitem__(qcs_api_client.models.Reservation __setitem__(qcs_api_client.models.checksum_description.ChecksumD
 method), 190
 __setitem__(qcs_api_client.models.RestartEndpointRequest__setitem__(qcs_api_client.models.client_application.ClientApplicati
 method), 190
 __setitem__(qcs_api_client.models.Tier method), __setitem__(qcs_api_client.models.client_applications_download_line
 191
 __setitem__(qcs_api_client.models.TranslateNativeQuilToEncryptedQuil__setitem__(qcs_api_client.models.create_endpoint_parameters.Crea
 method), 191
 __setitem__(qcs_api_client.models.TranslateNativeQuilToEncryptedQuil__setitem__(qcs_api_client.models.create_engagement_request.Crea

[illegible]

`__str__()` (`qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus` (in module `qcs_api_client.models.reservation`), 132
 method), 79
`__str__()` (`qcs_api_client.models.billing_price_object.BillingPriceObject` (`qcs_api_client.client.QCSClientConfigurationSettingsProfile`
 method), 81
 attribute), 65
`__str__()` (`qcs_api_client.models.billing_price_price_type.BillingPricePriceType` (`qcs_api_client.models.create_engagement_request.CreateEngagementRequest`
 method), 82
 attribute), 98
`__str__()` (`qcs_api_client.models.billing_price_recurrence_account_type.BillingPriceRecurrenceAccountType` (`qcs_api_client.models.create_reservation_request.CreateReservationRequest`
 method), 84
 attribute), 99, 100
`__str__()` (`qcs_api_client.models.billing_price_recurrence_account_type.BillingPriceRecurrenceAccountType` (`qcs_api_client.models.create_engagement_request.CreateEngagementRequest`
 method), 84
 attribute), 168, 169
`__str__()` (`qcs_api_client.models.billing_price_recurrence_account_type.BillingPriceRecurrenceAccountType` (`qcs_api_client.models.create_reservation_request.CreateReservationRequest`
 method), 85
 attribute), 169, 170
`__str__()` (`qcs_api_client.models.billing_price_scheme.BillingPriceScheme` (`qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials`
 method), 85
 attribute), 105, 106
`__str__()` (`qcs_api_client.models.billing_price_tiers_model.BillingPriceTiersModel` (`qcs_api_client.models.EngagementWithCredentials`
 method), 86
 attribute), 173, 174
`__str__()` (`qcs_api_client.models.billing_product_object.BillingProductObject` (`qcs_api_client.models.Reservation` attribute), 188, 189
 method), 88
`__str__()` (`qcs_api_client.models.checksum_description_type.ChecksumDescriptionType` (`qcs_api_client.models.reservation.Reservation`
 method), 94
 attribute), 132, 133
`__str__()` (`qcs_api_client.models.family.Family` (`qcs_api_client.client.QCSClientConfigurationSettingsProfile` attribute), 65
 method), 108
`__str__()` (`qcs_api_client.models.nomad_job_datacenters_account_type.NomadJobDatacentersAccountType` (`qcs_api_client.models.create_engagement_request.CreateEngagementRequest`
 method), 125
 attribute), 98
`__str__()` (`qcs_api_client.models.quantum_processor_access_type.QuantumProcessorAccessType` (`qcs_api_client.models.create_reservation_request.CreateReservationRequest`
 method), 131
 attribute), 99, 100
`__str__()` (`qcs_api_client.models.validation_error_in_validation_type.ValidationErrorInValidationType` (`qcs_api_client.models.CreateEngagementRequest`
 method), 145
 attribute), 168, 169
 attribute), 170
A
`access_token` (`qcs_api_client.client.QCSClientConfigurationSettingsCredentials` attribute), 63
`access_token` (`qcs_api_client.client.TokenPayload` attribute), 63
`access_token_expires_at` (`qcs_api_client.client.TokenPayload` property), 63
`access_type` (`qcs_api_client.models.quantum_processor_access_type.QuantumProcessorAccessType` attribute), 129, 130
`access_type` (`qcs_api_client.models.QuantumProcessorAccessType` attribute), 186, 187
`accessors` (in module `qcs_api_client.models`), 148
`accessors` (in module `qcs_api_client.models`), 149
`accessors` (`qcs_api_client.models.list_quantum_processor_accessors_response.ListQuantumProcessorAccessorsResponse` attribute), 121
`accessors` (`qcs_api_client.models.ListQuantumProcessorAccessorsResponse` attribute), 182
`account_id` (in module `qcs_api_client.models`), 147, 148
`account_id` (in module `qcs_api_client.models`), 149
`account_id` (`qcs_api_client.models.create_engagement_request.CreateEngagementRequest` attribute), 97
`account_id` (`qcs_api_client.models.create_reservation_request.CreateReservationRequest` attribute), 170
`account_type` (`qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials` attribute), 106
`account_type` (`qcs_api_client.models.EngagementWithCredentials` attribute), 173, 174
`account_type` (`qcs_api_client.models.Reservation` attribute), 188, 189
`account_type` (`qcs_api_client.models.reservation.Reservation` attribute), 132, 133
`AccountBalance` (class in `qcs_api_client.models`), 149
`AccountBalance` (class in `qcs_api_client.models`), 149
`AccountType` (class in `qcs_api_client.models`), 149
`AccountType` (class in `qcs_api_client.models`), 149
`active` (`qcs_api_client.models.billing_price.BillingPrice` attribute), 79, 80
`active` (`qcs_api_client.models.BillingPrice` attribute), 157, 158
`add_group_user()` (in module `qcs_api_client.operations.asyncio`), 197
`add_group_user()` (in module `qcs_api_client.operations.asyncio_from_dict`), 210

`add_group_user()` (in module `qcs_api_client.operations.sync`), 219
`add_group_user()` (in module `qcs_api_client.operations.sync_from_dict`), 231
`AddGroupUserRequest` (class in `qcs_api_client.models`), 150
`AddGroupUserRequest` (class in `qcs_api_client.models.add_group_user_request`), 67
`additional_keys(qcs_api_client.models.account_balance_additional_keys)` (property), 66
`additional_keys(qcs_api_client.models.AccountBalance_additional_keys)` (property), 149
`additional_keys(qcs_api_client.models.add_group_user_additional_keys)` (property), 68
`additional_keys(qcs_api_client.models.AddGroupUserRequest_additional_keys)` (property), 150
`additional_keys(qcs_api_client.models.auth_email_password_reset_request_additional_keys)` (property), 70
`additional_keys(qcs_api_client.models.auth_reset_password_request_additional_keys)` (property), 71
`additional_keys(qcs_api_client.models.auth_reset_password_request_additional_keys)` (property), 72
`additional_keys(qcs_api_client.models.AuthEmailPasswordResetRequest_additional_keys)` (property), 151
`additional_keys(qcs_api_client.models.AuthResetPasswordRequest_additional_keys)` (property), 152
`additional_keys(qcs_api_client.models.AuthResetPasswordRequest_additional_keys)` (property), 152
`additional_keys(qcs_api_client.models.available_reservation_additional_keys)` (property), 73
`additional_keys(qcs_api_client.models.AvailableReservation_additional_keys)` (property), 153
`additional_keys(qcs_api_client.models.billing_customer_additional_keys)` (property), 74
`additional_keys(qcs_api_client.models.billing_invoice_additional_keys)` (property), 76
`additional_keys(qcs_api_client.models.billing_invoice_additional_keys)` (property), 77
`additional_keys(qcs_api_client.models.billing_invoice_additional_keys)` (property), 78
`additional_keys(qcs_api_client.models.billing_price.BillingPrice_additional_keys)` (property), 81
`additional_keys(qcs_api_client.models.billing_price_read_additional_keys)` (property), 83
`additional_keys(qcs_api_client.models.billing_product.BillingProduct_additional_keys)` (property), 87
`additional_keys(qcs_api_client.models.billing_upcoming_invoice_additional_keys)` (property), 89
`additional_keys(qcs_api_client.models.BillingCustomer_additional_keys)` (property), 154
`additional_keys(qcs_api_client.models.BillingInvoice_additional_keys)` (property), 155
`additional_keys(qcs_api_client.models.BillingInvoiceLine_additional_keys)` (property), 155
`additional_keys(qcs_api_client.models.BillingInvoiceLineMetadata_additional_keys)` (property), 156
`additional_keys(qcs_api_client.models.BillingPrice_additional_keys)` (property), 158
`additional_keys(qcs_api_client.models.BillingPriceRecurrence_additional_keys)` (property), 160
`additional_keys(qcs_api_client.models.BillingProduct_additional_keys)` (property), 162
`additional_keys(qcs_api_client.models.BillingUpcomingInvoice_additional_keys)` (property), 163
`additional_keys(qcs_api_client.models.check_client_application_request_additional_keys)` (property), 91
`additional_keys(qcs_api_client.models.check_client_application_response_additional_keys)` (property), 92
`additional_keys(qcs_api_client.models.CheckClientApplicationRequest_additional_keys)` (property), 165
`additional_keys(qcs_api_client.models.CheckClientApplicationResponse_additional_keys)` (property), 165
`additional_keys(qcs_api_client.models.checksum_description.Checksum_additional_keys)` (property), 93
`additional_keys(qcs_api_client.models.Checksum_additional_keys)` (property), 166
`additional_keys(qcs_api_client.models.client_application.ClientApplication_additional_keys)` (property), 95
`additional_keys(qcs_api_client.models.client_applications_download_additional_keys)` (property), 96
`additional_keys(qcs_api_client.models.ClientApplication_additional_keys)` (property), 167
`additional_keys(qcs_api_client.models.ClientApplicationsDownloadLink_additional_keys)` (property), 168
`additional_keys(qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters_additional_keys)` (property), 97
`additional_keys(qcs_api_client.models.create_engagement_request.CreateEngagementRequest_additional_keys)` (property), 98
`additional_keys(qcs_api_client.models.create_reservation_request.CreateReservationRequest_additional_keys)` (property), 100
`additional_keys(qcs_api_client.models.CreateEndpointParameters_additional_keys)` (property), 168
`additional_keys(qcs_api_client.models.CreateEngagementRequest_additional_keys)` (property), 169
`additional_keys(qcs_api_client.models.CreateReservationRequest_additional_keys)` (property), 170
`additional_keys(qcs_api_client.models.Dictionary_additional_keys)` (property), 170
`additional_keys(qcs_api_client.models.dictionary.Dictionary_additional_keys)` (property), 100
`additional_keys(qcs_api_client.models.Endpoint_additional_keys)` (property), 172
`additional_keys(qcs_api_client.models.endpoint.Endpoint_additional_keys)` (property), 103
`additional_keys(qcs_api_client.models.endpoint_addresses.EndpointAddresses_additional_keys)` (property), 104

`additional_keys(qcs_api_client.models.EndpointAddressAdditionalKeys(property)), 172`
`additional_keys(qcs_api_client.models.engagement_created_additional_keys(property)), 104`
`additional_keys(qcs_api_client.models.engagement_with_credentials_additional_keys(property)), 106`
`additional_keys(qcs_api_client.models.EngagementCreatedAdditionalKeys(property)), 173`
`additional_keys(qcs_api_client.models.EngagementWithCredentialsAdditionalKeys(property)), 174`
`additional_keys(qcs_api_client.models.Error property), 175`
`additional_keys(qcs_api_client.models.error.Error property), 107`
`additional_keys(qcs_api_client.models.find_available_resources_additional_keys(property)), 109`
`additional_keys(qcs_api_client.models.FindAvailableResourcesAdditionalKeys(property)), 176`
`additional_keys(qcs_api_client.models.get_quilt_calibration_additional_keys(property)), 110`
`additional_keys(qcs_api_client.models.GetQuiltCalibrationAdditionalKeys(property)), 176`
`additional_keys(qcs_api_client.models.Group property), 177`
`additional_keys(qcs_api_client.models.group.Group property), 111`
`additional_keys(qcs_api_client.models.Health property), 178`
`additional_keys(qcs_api_client.models.health.Health property), 112`
`additional_keys(qcs_api_client.models.invite_user_request_additional_keys(property)), 114`
`additional_keys(qcs_api_client.models.InviteUserRequestAdditionalKeys(property)), 179`
`additional_keys(qcs_api_client.models.list_account_billing_invoices_response_additional_keys(property)), 115`
`additional_keys(qcs_api_client.models.list_account_billing_invoices_response_additional_keys(property)), 116`
`additional_keys(qcs_api_client.models.list_client_applications_response_additional_keys(property)), 117`
`additional_keys(qcs_api_client.models.list_endpoints_response_additional_keys(property)), 118`
`additional_keys(qcs_api_client.models.list_group_users_response_additional_keys(property)), 119`
`additional_keys(qcs_api_client.models.list_groups_response_additional_keys(property)), 120`
`additional_keys(qcs_api_client.models.list_quantum_processors_response_additional_keys(property)), 121`
`additional_keys(qcs_api_client.models.list_quantum_processors_response_additional_keys(property)), 122`
`additional_keys(qcs_api_client.models.list_reservations_response_additional_keys(property)), 123`
`additional_keys(qcs_api_client.models.ListAccountBillingInvoicesResponseAdditionalKeys(property)), 179`
`additional_keys(qcs_api_client.models.ListAccountBillingInvoicesResponseAdditionalKeys(property)), 180`
`additional_keys(qcs_api_client.models.ListClientApplicationsResponseAdditionalKeys(property)), 180`
`additional_keys(qcs_api_client.models.ListEndpointsResponseAdditionalKeys(property)), 181`
`additional_keys(qcs_api_client.models.ListGroupsResponseAdditionalKeys(property)), 182`
`additional_keys(qcs_api_client.models.ListGroupUsersResponseAdditionalKeys(property)), 181`
`additional_keys(qcs_api_client.models.ListQuantumProcessorAccessorsResponseAdditionalKeys(property)), 182`
`additional_keys(qcs_api_client.models.ListQuantumProcessorsResponseAdditionalKeys(property)), 183`
`additional_keys(qcs_api_client.models.ListAvailableResourcesResponseAdditionalKeys(property)), 183`
`additional_keys(qcs_api_client.models.parameter_spec.ParameterSpecAdditionalKeys(property)), 128`
`additional_keys(qcs_api_client.models.get_quilt_calibration_additional_keys(property)), 186`
`additional_keys(qcs_api_client.models.quantum_processor.QuantumProcessorAdditionalKeys(property)), 129`
`additional_keys(qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessorAdditionalKeys(property)), 130`
`additional_keys(qcs_api_client.models.QuantumProcessorAdditionalKeys(property)), 186`
`additional_keys(qcs_api_client.models.QuantumProcessorAccessorAdditionalKeys(property)), 187`
`additional_keys(qcs_api_client.models.remove_group_user_request.RestartEndpointRequestAdditionalKeys(property)), 132`
`additional_keys(qcs_api_client.models.RemoveGroupUserRequestAdditionalKeys(property)), 188`
`additional_keys(qcs_api_client.models.ReservationAdditionalKeys(property)), 190`
`additional_keys(qcs_api_client.models.list_account_billing_invoices_response_additional_keys(property)), 134`
`additional_keys(qcs_api_client.models.list_account_billing_invoices_response_additional_keys(property)), 135`
`additional_keys(qcs_api_client.models.list_client_applications_response_additional_keys(property)), 190`
`additional_keys(qcs_api_client.models.list_endpoints_response_additional_keys(property)), 191`
`additional_keys(qcs_api_client.models.list_group_users_response_additional_keys(property)), 136`
`additional_keys(qcs_api_client.models.translate_native_quil_to_encrypted_response_additional_keys(property)), 137`
`additional_keys(qcs_api_client.models.list_quantum_processors_response_additional_keys(property)), 138`
`additional_keys(qcs_api_client.models.list_quantum_processors_response_additional_keys(property)), 139`
`additional_keys(qcs_api_client.models.list_reservations_response_additional_keys(property)), 191`
`additional_keys(qcs_api_client.models.TranslateNativeQuilToEncryptedResponseAdditionalKeys(property)), 192`

additional_keys (qcs_api_client.models.TranslateNativeQuiltToEncryptedBinaryResponseMemoryDescriptors property), 192	additional_properties (qcs_api_client.models.AvailableReservation attribute), 153
additional_keys (qcs_api_client.models.User property), 193	additional_properties (qcs_api_client.models.billing_customer.BillingCustomer attribute), 74
additional_keys (qcs_api_client.models.user.User property), 140	additional_properties (qcs_api_client.models.billing_invoice.BillingInvoice attribute), 75
additional_keys (qcs_api_client.models.user_credentials.UserCredentials attribute), 74	additional_properties (qcs_api_client.models.billing_invoice_line.BillingInvoiceLine attribute), 77
additional_keys (qcs_api_client.models.user_credentials_password_reset_token.PasswordResetToken attribute), 75	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_keys (qcs_api_client.models.user_profile.UserProfile attribute), 143	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_keys (qcs_api_client.models.UserCredentials attribute), 194	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_keys (qcs_api_client.models.UserCredentialsPassword attribute), 194	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_keys (qcs_api_client.models.UserProfile attribute), 195	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_keys (qcs_api_client.models.validation_error.ValidationError attribute), 144	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_keys (qcs_api_client.models.ValidationErrorMessage attribute), 195	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.account_balance.AccountBalance attribute), 66	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.AccountBalance attribute), 149	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.add_group_user_request.AddGroupUserRequest attribute), 68	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.AddGroupUserRequest attribute), 150	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.auth_email_password_reset_token_request.AuthEmailPasswordResetTokenRequest attribute), 70	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest attribute), 71	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.auth_reset_password_with_token_request.AuthResetPasswordWithTokenRequest attribute), 72	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.AuthEmailPasswordResetTokenRequest attribute), 151	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.AuthResetPasswordRequest attribute), 152	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.AuthResetPasswordWithTokenRequest attribute), 152	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83
additional_properties (qcs_api_client.models.available_reservation.AvailableReservation attribute), 153	additional_properties (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 83

<i>attribute</i>), 91	172
additional_properties (<i>qcs_api_client.models.check_client_application_response.CheckClientApplicationResponse.Endpoint</i> <i>attribute</i>), 92	additional_properties (<i>qcs_api_client.models.check_client_application_response.CheckClientApplicationResponse.Endpoint</i> <i>attribute</i>), 103
additional_properties (<i>qcs_api_client.models.CheckClientApplicationRequest</i> <i>attribute</i>), 165	additional_properties (<i>qcs_api_client.models.endpoint_addresses.EndpointAddresses</i> <i>attribute</i>), 104
additional_properties (<i>qcs_api_client.models.CheckClientApplicationResponse</i> <i>attribute</i>), 165	additional_properties (<i>qcs_api_client.models.EndpointAddresses</i> <i>attribute</i>), 172
additional_properties (<i>qcs_api_client.models.checksum_description.ChecksumDescription</i> <i>attribute</i>), 93	additional_properties (<i>qcs_api_client.models.engagement_credentials.EngagementCredentials</i> <i>attribute</i>), 104
additional_properties (<i>qcs_api_client.models.ChecksumDescription</i> <i>attribute</i>), 166	additional_properties (<i>qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials</i> <i>attribute</i>), 106
additional_properties (<i>qcs_api_client.models.client_application.ClientApplication</i> <i>attribute</i>), 95	additional_properties (<i>qcs_api_client.models.EngagementCredentials</i> <i>attribute</i>), 173
additional_properties (<i>qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink</i> <i>attribute</i>), 96	additional_properties (<i>qcs_api_client.models.ClientApplicationsDownloadLinkWithCredentials</i> <i>attribute</i>), 174
additional_properties (<i>qcs_api_client.models.ClientApplication</i> <i>attribute</i>), 167	additional_properties (<i>qcs_api_client.models.Error</i> <i>attribute</i>), 175
additional_properties (<i>qcs_api_client.models.ClientApplicationsDownloadLink</i> <i>attribute</i>), 167	additional_properties (<i>qcs_api_client.models.error.Error</i> <i>attribute</i>), 107
additional_properties (<i>qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters</i> <i>attribute</i>), 97	additional_properties (<i>qcs_api_client.models.find_available_reservations_response.Fin</i> <i>attribute</i>), 100
additional_properties (<i>qcs_api_client.models.create_engagement_request.CreateEngagementRequest</i> <i>attribute</i>), 98	additional_properties (<i>qcs_api_client.models.FindAvailableReservationsResponse</i> <i>attribute</i>), 100
additional_properties (<i>qcs_api_client.models.create_reservation_request.CreateReservationRequest</i> <i>attribute</i>), 100	additional_properties (<i>qcs_api_client.models.get_quilt_calibrations_response.GetQuiltCalibrationsResponse</i> <i>attribute</i>), 100
additional_properties (<i>qcs_api_client.models.CreateEndpointParameters</i> <i>attribute</i>), 168	additional_properties (<i>qcs_api_client.models.GetQuiltCalibrationsResponse</i> <i>attribute</i>), 176
additional_properties (<i>qcs_api_client.models.CreateEngagementRequest</i> <i>attribute</i>), 169	additional_properties (<i>qcs_api_client.models.Group</i> <i>attribute</i>), 177
additional_properties (<i>qcs_api_client.models.CreateReservationRequest</i> <i>attribute</i>), 170	additional_properties (<i>qcs_api_client.models.group.Group</i> <i>attribute</i>), 111
additional_properties (<i>qcs_api_client.models.Dictionary</i> <i>attribute</i>), 170	additional_properties (<i>qcs_api_client.models.Health</i> <i>attribute</i>), 178
additional_properties (<i>qcs_api_client.models.dictionary.Dictionary</i> <i>attribute</i>), 100	additional_properties (<i>qcs_api_client.models.health.Health</i> <i>at</i> <i>tribute</i>), 112
additional_properties (<i>qcs_api_client.models.Endpoint</i> <i>attribute</i>),	additional_properties (<i>qcs_api_client.models.invite_user_request.InviteUserRequest</i> <i>attribute</i>), 114

additional_properties (qcs_api_client.models.InviteUserRequest attribute), 179	additional_properties (qcs_api_client.models.ListReservationsResponse attribute), 183
additional_properties (qcs_api_client.models.list_account_billing_invoice_lines_response.ListAccountBillingInvoiceLinesResponseSpec attribute), 115	additional_properties (qcs_api_client.models.ListAccountBillingInvoiceLinesResponseSpec attribute), 128
additional_properties (qcs_api_client.models.list_account_billing_invoices_response.ListAccountBillingInvoicesResponseSpec attribute), 116	additional_properties (qcs_api_client.models.ListAccountBillingInvoicesResponseSpec attribute), 186
additional_properties (qcs_api_client.models.list_client_applications_response.ListClientApplicationsResponseSpec attribute), 117	additional_properties (qcs_api_client.models.quantum_processor.QuantumProcessor attribute), 129
additional_properties (qcs_api_client.models.list_endpoints_response.ListEndpointsResponseSpec attribute), 118	additional_properties (qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessor attribute), 130
additional_properties (qcs_api_client.models.list_group_users_response.ListGroupUsersResponseSpec attribute), 119	additional_properties (qcs_api_client.models.QuantumProcessor attribute), 186
additional_properties (qcs_api_client.models.list_groups_response.ListGroupsResponseSpec attribute), 120	additional_properties (qcs_api_client.models.QuantumProcessorAccessor attribute), 187
additional_properties (qcs_api_client.models.list_quantum_processor_accessors_response.ListQuantumProcessorAccessorsResponseSpec attribute), 121	additional_properties (qcs_api_client.models.RemoveGroupUserRequest attribute), 132
additional_properties (qcs_api_client.models.list_quantum_processors_response.ListQuantumProcessorsResponseSpec attribute), 122	additional_properties (qcs_api_client.models.ReservationGroupUserRequest attribute), 188
additional_properties (qcs_api_client.models.list_reservations_response.ListReservationsResponseSpec attribute), 123	additional_properties (qcs_api_client.models.Reservation attribute), 190
additional_properties (qcs_api_client.models.ListAccountBillingInvoiceLinesResponseSpec attribute), 179	additional_properties (qcs_api_client.models.reservation.Reservation attribute), 134
additional_properties (qcs_api_client.models.ListAccountBillingInvoicesResponseSpec attribute), 180	additional_properties (qcs_api_client.models.restart_endpoint_request.RestartEndpointRequest attribute), 135
additional_properties (qcs_api_client.models.ListClientApplicationsResponseSpec attribute), 180	additional_properties (qcs_api_client.models.RestartEndpointRequest attribute), 190
additional_properties (qcs_api_client.models.ListEndpointsResponseSpec attribute), 181	additional_properties (qcs_api_client.models.Tier attribute), 191
additional_properties (qcs_api_client.models.ListGroupsResponseSpec attribute), 182	additional_properties (qcs_api_client.models.tier.Tier attribute), 136
additional_properties (qcs_api_client.models.ListGroupUsersResponseSpec attribute), 181	additional_properties (qcs_api_client.models.translate_native_quil_to_encrypted_binaries attribute), 137
additional_properties (qcs_api_client.models.ListQuantumProcessorAccessorsResponseSpec attribute), 182	additional_properties (qcs_api_client.models.translate_native_quil_to_encrypted_binaries attribute), 138
additional_properties (qcs_api_client.models.ListQuantumProcessorsResponseSpec attribute), 183	additional_properties (qcs_api_client.models.translate_native_quil_to_encrypted_binaries attribute), 139
	additional_properties

<code>(qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryRequest</code>	<code>amount</code>	<code>(qcs_api_client.models.BillingInvoiceLine</code>
<code>attribute), 191</code>		<code>attribute), 155</code>
<code>additional_properties</code>	<code>(qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryResponse</code>	<code>(qcs_api_client.models.Family attribute), 175</code>
<code>(qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryResponse</code>	<code>ANKAA</code>	<code>(qcs_api_client.models.family.Family attribute),</code>
<code>attribute), 192</code>	<code>108</code>	
<code>additional_properties</code>	<code>(qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryResponse</code>	<code>applied_billing_response_information.QCSClientConfigurationSettingsProfile</code>
<code>attribute), 192</code>		<code>attribute), 65</code>
<code>additional_properties</code>	<code>(qcs_api_client.models.User</code>	<code>applications (qcs_api_client.client.QCSClientConfigurationSettingsProfile</code>
<code>attribute), 193</code>		<code>attribute), 65</code>
<code>additional_properties</code>	<code>Architecture</code>	<code>(class in qcs_api_client.models), 150</code>
<code>(qcs_api_client.models.user.User attribute),</code>	<code>Architecture</code>	<code>(class in</code>
<code>140</code>		<code>qcs_api_client.models.architecture), 68</code>
<code>additional_properties</code>	<code>architecture</code>	<code>(qcs_api_client.models.instruction_set_architecture.InstructionSetArchitecture</code>
<code>(qcs_api_client.models.user_credentials.UserCredentials attribute), 113</code>		<code>attribute), 113</code>
<code>attribute), 141</code>	<code>architecture</code>	<code>(qcs_api_client.models.InstructionSetArchitecture</code>
<code>additional_properties</code>		<code>attribute), 178</code>
<code>(qcs_api_client.models.user_credentials_password.Password attribute), 142</code>	<code>ASPEN</code>	<code>(qcs_api_client.models.Family attribute), 175</code>
<code>attribute), 142</code>	<code>ASPEN</code>	<code>(qcs_api_client.models.family.Family attribute),</code>
<code>additional_properties</code>	<code>108</code>	
<code>(qcs_api_client.models.user_profile.UserProfile attribute), 143</code>	<code>async_auth_flow()</code>	<code>(qcs_api_client.client.auth.QCSAuth</code>
<code>attribute), 143</code>		<code>method), 59</code>
<code>additional_properties</code>	<code>async_auth_flow()</code>	<code>(qcs_api_client.client.QCSAuth</code>
<code>(qcs_api_client.models.UserCredentials attribute), 193</code>		<code>method), 61</code>
<code>additional_properties</code>	<code>async_refresh_token()</code>	<code>(qcs_api_client.client.auth.QCSAuth method),</code>
<code>(qcs_api_client.models.UserCredentialsPassword attribute), 194</code>		<code>59</code>
<code>attribute), 194</code>	<code>async_refresh_token()</code>	<code>(qcs_api_client.client.QCSAuth method),</code>
<code>additional_properties</code>		<code>61</code>
<code>(qcs_api_client.models.UserProfile attribute),</code>	<code>asyncio()</code>	<code>(in module</code>
<code>195</code>		<code>qcs_api_client.api.account.add_group_user), 6</code>
<code>additional_properties</code>	<code>asyncio()</code>	<code>(in module</code>
<code>(qcs_api_client.models.validation_error.ValidationError attribute), 144</code>		<code>qcs_api_client.api.account.get_group_balance),</code>
<code>attribute), 144</code>	<code>7</code>	
<code>additional_properties</code>	<code>asyncio()</code>	<code>(in module</code>
<code>(qcs_api_client.models.ValidationError attribute), 195</code>		<code>qcs_api_client.api.account.get_group_billing_customer),</code>
<code>tribute), 195</code>	<code>8</code>	
<code>address (qcs_api_client.models.Endpoint attribute),</code>	<code>asyncio()</code>	<code>(in module</code>
<code>171, 172</code>		<code>qcs_api_client.api.account.get_group_upcoming_billing_invoice),</code>
<code>address (qcs_api_client.models.endpoint.Endpoint attribute), 102, 103</code>		<code>9</code>
<code>address (qcs_api_client.models.engagement_with_credentials.Credentials attribute), 105, 106</code>	<code>asyncio()</code>	<code>(in module</code>
<code>attribute), 105, 106</code>		<code>qcs_api_client.api.account.get_user_balance),</code>
<code>address (qcs_api_client.models.EngagementWithCredentials attribute), 173, 174</code>	<code>10</code>	
<code>attribute), 173, 174</code>	<code>asyncio()</code>	<code>(in module</code>
<code>addresses (qcs_api_client.models.Endpoint attribute),</code>		<code>qcs_api_client.api.account.get_user_billing_customer),</code>
<code>171</code>	<code>11</code>	
<code>addresses (qcs_api_client.models.endpoint.Endpoint attribute), 102</code>	<code>asyncio()</code>	<code>(in module</code>
<code>attribute), 102</code>		<code>qcs_api_client.api.account.get_user_upcoming_billing_invoice),</code>
<code>aggregate_usage (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence attribute), 82, 83</code>	<code>asyncio()</code>	<code>(in module</code>
<code>attribute), 82, 83</code>		<code>qcs_api_client.api.account.list_group_billing_invoice_lines),</code>
<code>aggregate_usage (qcs_api_client.models.BillingPriceRecurrence attribute), 159</code>	<code>13</code>	
<code>amount (qcs_api_client.models.billing_invoice_line.BillingInvoiceLine attribute), 159</code>	<code>asyncio()</code>	<code>(in module</code>
<code>attribute), 159</code>		

```

    qcs_api_client.api.account.list_group_billing_invoices), 34
14         asyncio() (in module
asyncio() (in module qcs_api_client.api.endpoints.get_default_endpoint),
    qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines),
15         asyncio() (in module
asyncio() (in module qcs_api_client.api.endpoints.get_endpoint), 36
    qcs_api_client.api.account.list_group_users), asyncio() (in module
16         qcs_api_client.api.endpoints.list_endpoints),
asyncio() (in module 37
    qcs_api_client.api.account.list_user_billing_invoices), asyncio() (in module
17         qcs_api_client.api.endpoints.restart_endpoint),
asyncio() (in module 39
    qcs_api_client.api.account.list_user_billing_invoices), asyncio() (in module
19         qcs_api_client.api.engagements.create_engagement),
asyncio() (in module 40
    qcs_api_client.api.account.list_user_groups), asyncio() (in module
20         qcs_api_client.api.quantum_processors.get_instruction_set_architecture),
asyncio() (in module 42
    qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines), (in module
21         qcs_api_client.api.quantum_processors.get_quantum_processor),
asyncio() (in module 43
    qcs_api_client.api.account.remove_group_user), asyncio() (in module
22         qcs_api_client.api.quantum_processors.list_quantum_processors),
asyncio() (in module 45
    qcs_api_client.api.authentication.auth_email_password_to_token), (in module
23         qcs_api_client.api.quantum_processors.list_quantum_processors),
asyncio() (in module 47
    qcs_api_client.api.authentication.auth_get_user), asyncio() (in module
24         qcs_api_client.api.reservations.create_reservation),
asyncio() (in module 49
    qcs_api_client.api.authentication.auth_reset_password), asyncio() (in module
25         qcs_api_client.api.reservations.delete_reservation),
asyncio() (in module 50
    qcs_api_client.api.authentication.auth_reset_password_to_token), (in module
26         qcs_api_client.api.reservations.find_available_reservations),
asyncio() (in module 51
    qcs_api_client.api.client_applications.check_client_application), (in module
28         qcs_api_client.api.reservations.list_group_reservations),
asyncio() (in module 53
    qcs_api_client.api.client_applications.get_client_application), (in module
29         qcs_api_client.api.reservations.list_reservations),
asyncio() (in module 54
    qcs_api_client.api.client_applications.list_client_applications), (in module
30         qcs_api_client.api.translation.get_quilt_calibrations),
asyncio() (in module 56
    qcs_api_client.api.default.get_health), 31 asyncio() (in module
asyncio() (in module qcs_api_client.api.translation.translate_native_quil_to_encrypted
    qcs_api_client.api.default.health_check), 57
32         asyncio_from_dict() (in module
asyncio() (in module qcs_api_client.api.account.add_group_user), 6
    qcs_api_client.api.endpoints.create_endpoint), asyncio_from_dict() (in module
33         qcs_api_client.api.account.get_group_balance),
asyncio() (in module 7
    qcs_api_client.api.endpoints.delete_endpoint), asyncio_from_dict() (in module

```

```

        qcs_api_client.api.account.get_group_billing_customer), qcs_api_client.api.client_applications.check_client_application),
8
    asyncio_from_dict()(in module asyncio_from_dict()(in module
        qcs_api_client.api.account.get_group_upcoming_billing_invoice), qcs_api_client.api.client_applications.get_client_application),
9
    asyncio_from_dict()(in module asyncio_from_dict()(in module
        qcs_api_client.api.account.get_user_balance), qcs_api_client.api.client_applications.list_client_applications),
10
    asyncio_from_dict()(in module asyncio_from_dict()(in module
        qcs_api_client.api.account.get_user_billing_customer), qcs_api_client.api.default.get_health), 31
11
    asyncio_from_dict()(in module qcs_api_client.api.default.health_check),
        qcs_api_client.api.account.get_user_upcoming_billing_invoice),
12
    asyncio_from_dict()(in module qcs_api_client.api.endpoints.create_endpoint),
        qcs_api_client.api.account.list_group_billing_invoice_lines),
13
    asyncio_from_dict()(in module qcs_api_client.api.endpoints.delete_endpoint),
        qcs_api_client.api.account.list_group_billing_invoices), 34
14
    asyncio_from_dict()(in module qcs_api_client.api.endpoints.get_default_endpoint),
        qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines),
15
    asyncio_from_dict()(in module qcs_api_client.api.endpoints.get_endpoint), 36
        qcs_api_client.api.account.list_group_users), asyncio_from_dict()(in module
        qcs_api_client.api.endpoints.list_endpoints),
17
    asyncio_from_dict()(in module 38
        qcs_api_client.api.account.list_user_billing_invoices), asyncio_from_dict()(in module
        qcs_api_client.api.endpoints.restart_endpoint),
18
    asyncio_from_dict()(in module 39
        qcs_api_client.api.account.list_user_billing_invoices), asyncio_from_dict()(in module
        qcs_api_client.api.engagements.create_engagement),
19
    asyncio_from_dict()(in module 41
        qcs_api_client.api.account.list_user_groups), asyncio_from_dict()(in module
        qcs_api_client.api.quantum_processors.get_instruction_set_architecture),
20
    asyncio_from_dict()(in module 42
        qcs_api_client.api.account.list_user_upcoming_billing_invoices), asyncio_from_dict()(in module
        qcs_api_client.api.quantum_processors.get_quantum_processor),
21
    asyncio_from_dict()(in module 43
        qcs_api_client.api.account.remove_group_user), asyncio_from_dict()(in module
        qcs_api_client.api.quantum_processors.list_quantum_processors),
22
    asyncio_from_dict()(in module 46
        qcs_api_client.api.authentication.auth_email_password_reset), asyncio_from_dict()(in module
        qcs_api_client.api.quantum_processors.list_quantum_processors),
23
    asyncio_from_dict()(in module 48
        qcs_api_client.api.authentication.auth_get_user), asyncio_from_dict()(in module
        qcs_api_client.api.reservations.create_reservation),
24
    asyncio_from_dict()(in module 49
        qcs_api_client.api.authentication.auth_reset_password), asyncio_from_dict()(in module
        qcs_api_client.api.reservations.delete_reservation),
25
    asyncio_from_dict()(in module 50
        qcs_api_client.api.authentication.auth_reset_password), asyncio_from_dict()(in module
        qcs_api_client.api.reservations.find_available_reservations),
27
    asyncio_from_dict()(in module 52

```


asyncio_from_dict() (in module auth_server_name(*qcs_api_client.client.QCSClientConfigurationSetting*),
qcs_api_client.api.reservations.list_group_reservations), attribute), 65
 53
 asyncio_from_dict() (in module auth_servers(*qcs_api_client.client.QCSClientConfigurationSettings*
qcs_api_client.api.reservations.list_reservations), attribute), 64
 55
 asyncio_from_dict() (in module AuthEmailPasswordResetTokenRequest (class in
qcs_api_client.models), 151
qcs_api_client.api.translation.get_quilt_calibrations), *qcs_api_client.models.auth_email_password_reset_token_request*
 56 70
 asyncio_from_dict() (in module authorize_url() (*qcs_api_client.client.QCSAuthServer*
qcs_api_client.api.translation.translate_native_quilt_to_encrypted_binary),
 58
 AuthResetPasswordRequest (class in
qcs_api_client.models), 152
 auth_email_password_reset_token() (in module AuthResetPasswordRequest (class in
qcs_api_client.operations.asyncio), 201 *qcs_api_client.models.auth_reset_password_request*),
 auth_email_password_reset_token() (in module 70
qcs_api_client.operations.asyncio_from_dict),
 213
 AuthResetPasswordWithTokenRequest (class in
qcs_api_client.models), 152
 auth_email_password_reset_token() (in module AuthResetPasswordWithTokenRequest (class in
qcs_api_client.operations.sync), 222 *qcs_api_client.models.auth_reset_password_with_token_request*)
 auth_email_password_reset_token() (in module 71
qcs_api_client.operations.sync_from_dict),
 233
 available_reservations (in module
qcs_api_client.models), 147
 auth_get_user() (in module available_reservations (in module
qcs_api_client.operations.asyncio), 201 *qcs_api_client.models.find_available_reservations_response*),
 auth_get_user() (in module 108
qcs_api_client.operations.asyncio_from_dict),
 213
 available_reservations
 auth_get_user() (in module (*qcs_api_client.models.find_available_reservations_response.Fin*
qcs_api_client.operations.sync), 222 attribute), 109
 auth_get_user() (in module available_reservations
qcs_api_client.operations.sync_from_dict), (*qcs_api_client.models.FindAvailableReservationsResponse*
 233 attribute), 176
 auth_reset_password() (in module AvailableReservation (class in
qcs_api_client.operations.asyncio), 201 *qcs_api_client.models*), 152
 auth_reset_password() (in module AvailableReservation (class in
qcs_api_client.operations.asyncio_from_dict), *qcs_api_client.models.available_reservation*),
 213 72
 auth_reset_password() (in module **B**
qcs_api_client.operations.sync), 222
 auth_reset_password() (in module balance(*qcs_api_client.models.account_balance.AccountBalance*
qcs_api_client.operations.sync_from_dict), attribute), 66
 233
 auth_reset_password_with_token() (in module balance (*qcs_api_client.models.AccountBalance* at-
qcs_api_client.operations.asyncio), 201 tribute), 149
 auth_reset_password_with_token() (in module benchmarks(*qcs_api_client.models.instruction_set_architecture.Instruction*
qcs_api_client.operations.asyncio_from_dict), attribute), 113
 213
 benchmarks(*qcs_api_client.models.InstructionSetArchitecture*
 attribute), 178
 auth_reset_password_with_token() (in module BERKELEY_775(*qcs_api_client.models.nomad_job_datacenters.NomadJob*
qcs_api_client.operations.sync), 223 attribute), 125
 auth_reset_password_with_token() (in module BERKELEY_775(*qcs_api_client.models.NomadJobDatacenters*
qcs_api_client.operations.sync_from_dict), attribute), 184
 233
 auth_server(*qcs_api_client.client.QCSClientConfiguration* billing_invoice_lines (in module
 property), 62 *qcs_api_client.models*), 147
 billing_invoice_lines (in module

`qcs_api_client.models.list_account_billing_invoice_lines_response`,
 115 `BillingPricePriceType` (class in `qcs_api_client.models`), 159
`billing_invoice_lines` (`qcs_api_client.models.list_account_billing_invoice_lines_response` attribute), 115
`billing_invoice_lines` (`qcs_api_client.models.ListAccountBillingInvoiceBillingPriceRecurrence` attribute), 179
`billing_invoices` (in module `qcs_api_client.models`), 147 `BillingPriceRecurrence` (class in `qcs_api_client.models.billing_price_recurrence`),
`billing_invoices` (in module `qcs_api_client.models.list_account_billing_invoice_lines_response` attribute), 116
`billing_invoices` (`qcs_api_client.models.list_account_billing_invoice_lines_response` attribute), 116 `BillingPriceRecurrenceAggregateUsage` (class in `qcs_api_client.models`), 160
`billing_invoices` (`qcs_api_client.models.ListAccountBillingInvoiceBillingPriceRecurrenceAggregateUsage` attribute), 180
`billing_scheme` (`qcs_api_client.models.billing_price.BillingPrice` attribute), 79, 80 `BillingPriceRecurrenceInterval` (class in `qcs_api_client.models.billing_price_recurrence_interval`),
`billing_scheme` (`qcs_api_client.models.BillingPrice` attribute), 157, 158
`BillingCustomer` (class in `qcs_api_client.models`), 153 `BillingPriceRecurrenceUsageType` (class in `qcs_api_client.models`), 160
`BillingCustomer` (class in `qcs_api_client.models.billing_customer`), 74
`BillingInvoice` (class in `qcs_api_client.models`), 154 `BillingPriceRecurrenceUsageType` (class in `qcs_api_client.models.billing_price_recurrence_usage_type`),
`BillingInvoice` (class in `qcs_api_client.models.billing_invoice`), 75
`BillingInvoiceLine` (class in `qcs_api_client.models`), 155 `BillingPriceScheme` (class in `qcs_api_client.models`), 161
`BillingInvoiceLine` (class in `qcs_api_client.models.billing_invoice_line`), 76
`BillingInvoiceLineLineItemType` (class in `qcs_api_client.models`), 156 `BillingPriceTiersMode` (class in `qcs_api_client.models.billing_price_tiers_mode`),
`BillingInvoiceLineLineItemType` (class in `qcs_api_client.models.billing_invoice_line_line_item_type`), 86
`BillingInvoiceLineMetadata` (class in `qcs_api_client.models`), 156 `BillingProduct` (class in `qcs_api_client.models`), 161
`BillingInvoiceLineMetadata` (class in `qcs_api_client.models.billing_invoice_line_metadata`), 78
`BillingInvoiceStatus` (class in `qcs_api_client.models`), 156 `BillingProduct` (class in `qcs_api_client.models.billing_product`), 86
`BillingInvoiceStatus` (class in `qcs_api_client.models.billing_invoice_status`), 78
`BillingPrice` (class in `qcs_api_client.models`), 157 `BillingProductObject` (class in `qcs_api_client.models`), 162
`BillingPrice` (class in `qcs_api_client.models.billing_price`), 79
`BillingPriceObject` (class in `qcs_api_client.models`), 158 `BillingProductObject` (class in `qcs_api_client.models.billing_product_object`),
`BillingPriceObject` (class in `qcs_api_client.models.billing_price_object`), 87
`BODY` (`qcs_api_client.models.validation_error_in.ValidationErrorMessageIn` attribute), 145
`BODY` (`qcs_api_client.models.ValidationErrorMessageIn` attribute), 196
`build_async_client()` (in module `qcs_api_client`), 196

`qcs_api_client.client`), 61
`build_async_client()` (in module `qcs_api_client.client`), 59
`build_from_httpx_response()` (`qcs_api_client.types.Response` class method), 238
`build_sync_client()` (in module `qcs_api_client.client`), 61
`build_sync_client()` (in module `qcs_api_client.client`), 59

C

`cancellation_billing_invoice_item_id` (`qcs_api_client.models.Reservation` attribute), 189
`cancellation_billing_invoice_item_id` (`qcs_api_client.models.reservation.Reservation` attribute), 133, 134
`cancelled` (`qcs_api_client.models.Reservation` attribute), 189
`cancelled` (`qcs_api_client.models.reservation.Reservation` attribute), 133, 134
`Characteristic` (class in `qcs_api_client.models`), 164
`Characteristic` (class in `qcs_api_client.models.characteristic`), 89
`characteristics` (`qcs_api_client.models.Operation` attribute), 184, 185
`characteristics` (`qcs_api_client.models.operation.Operation` attribute), 125
`characteristics` (`qcs_api_client.models.operation_site.OperationSite` attribute), 126
`characteristics` (`qcs_api_client.models.OperationSite` attribute), 185
`check_client_application()` (in module `qcs_api_client.operations.asyncio`), 202
`check_client_application()` (in module `qcs_api_client.operations.asyncio_from_dict`), 214
`check_client_application()` (in module `qcs_api_client.operations.sync`), 223
`check_client_application()` (in module `qcs_api_client.operations.sync_from_dict`), 234
`CheckClientApplicationRequest` (class in `qcs_api_client.models`), 164
`CheckClientApplicationRequest` (class in `qcs_api_client.models.check_client_application_request`), 91
`CheckClientApplicationResponse` (class in `qcs_api_client.models`), 165
`CheckClientApplicationResponse` (class in `qcs_api_client.models.check_client_application_response`), 92
`checksum_description` (`qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink` attribute), 96
`checksum_description` (`qcs_api_client.models.ClientApplicationsDownloadLink` attribute), 167
`ChecksumDescription` (class in `qcs_api_client.models`), 165
`ChecksumDescription` (class in `qcs_api_client.models.checksum_description`), 93
`ChecksumDescriptionType` (class in `qcs_api_client.models`), 166
`ChecksumDescriptionType` (class in `qcs_api_client.models.checksum_description_type`), 94
`cli` (`qcs_api_client.client.QCSClientConfigurationSettingsApplications` attribute), 65
`client_applications` (in module `qcs_api_client.models`), 148
`client_applications` (in module `qcs_api_client.models.list_client_applications_response`), 117
`client_applications` (`qcs_api_client.models.list_client_applications_response.ListClientApplicationsResponse` attribute), 117
`client_applications` (`qcs_api_client.models.ListClientApplicationsResponse` attribute), 180
`client_id` (`qcs_api_client.client.QCSAuthServer` attribute), 64
`client_public` (`qcs_api_client.models.engagement_credentials.EngagementCredentials` attribute), 104
`client_public` (`qcs_api_client.models.EngagementCredentials` attribute), 173
`client_secret` (`qcs_api_client.models.engagement_credentials.EngagementCredentials` attribute), 104
`client_secret` (`qcs_api_client.models.EngagementCredentials` attribute), 173
`ClientApplication` (class in `qcs_api_client.models`), 166
`ClientApplication` (class in `qcs_api_client.models.client_application`), 94
`ClientApplicationsDownloadLink` (class in `qcs_api_client.models`), 167
`ClientApplicationsDownloadLink` (class in `qcs_api_client.models.client_applications_download_link`), 96
`code` (in module `qcs_api_client.models`), 147
`code` (in module `qcs_api_client.models.error`), 107
`code` (`qcs_api_client.models.Error` attribute), 174, 175
`code` (`qcs_api_client.models.error.Error` attribute), 107
`component_name` (in module `qcs_api_client.models`), 148

`component_name` (in module `tribune`), 140
`qcs_api_client.models.restart_endpoint_request`, `CreateEndpointParameters` (class in `qcs_api_client.models`), 168
`134`
`component_name` (`qcs_api_client.models.restart_endpoint_request`, `CreateEndpointParameters` (class in `qcs_api_client.models.create_endpoint_parameters`), `134`
`attribute`), 134
`component_name` (`qcs_api_client.models.RestartEndpointRequest` 97
`attribute`), 190
`create_endpoint()` (in module `qcs_api_client.models`), 168
`qcs_api_client.operations.asyncio`), 203
`create_endpoint()` (in module `qcs_api_client.models.create_engagement_request`), `CreateEngagementRequest` (class in `qcs_api_client.models`), 168
`qcs_api_client.operations.asyncio_from_dict`), 98
`214`
`create_endpoint()` (in module `qcs_api_client.models`), 169
`qcs_api_client.operations.sync`), 224
`create_endpoint()` (in module `qcs_api_client.models.create_reservation_request`), `CreateReservationRequest` (class in `qcs_api_client.models`), 169
`qcs_api_client.operations.sync_from_dict`), 99
`234`
`create_engagement()` (in module `qcs_api_client.models.Reservation` attribute), `creation_billing_invoice_item_id`
`qcs_api_client.operations.asyncio`), 204
`189`
`create_engagement()` (in module `qcs_api_client.models.reservation.Reservation` attribute), 133, 134
`qcs_api_client.operations.asyncio_from_dict`), 215
`creation_billing_invoice_item_id`
`215`
`credentials` (`qcs_api_client.client.QCSClientConfiguration` property), 62
`qcs_api_client.operations.sync`), 225
`credentials` (`qcs_api_client.client.QCSClientConfigurationSecrets` attribute), 63
`create_engagement()` (in module `qcs_api_client.operations.sync_from_dict`), 235
`credentials` (`qcs_api_client.models.engagement_with_credentials`, `Engage` attribute), 105, 106
`235`
`create_reservation()` (in module `qcs_api_client.models`), 173, 174
`qcs_api_client.operations.asyncio`), 206
`credentials_name` (`qcs_api_client.client.QCSClientConfigurationSettings` attribute), 65
`create_reservation()` (in module `qcs_api_client.operations.asyncio_from_dict`), 216
`216`
`create_reservation()` (in module `qcs_api_client.operations.sync`), 227
`create_reservation()` (in module `qcs_api_client.operations.sync_from_dict`), 236
`236`
`created_time` (in module `qcs_api_client.models`), 147, 149
`created_time` (in module `qcs_api_client.models.group`), 110
`110`
`created_time` (in module `qcs_api_client.models.user`), 139
`139`
`created_time` (`qcs_api_client.models.Group` attribute), 177
`177`
`created_time` (`qcs_api_client.models.group.Group` attribute), 111
`111`
`created_time` (`qcs_api_client.models.Reservation` attribute), 188, 189
`188, 189`
`created_time` (`qcs_api_client.models.reservation.Reservation` attribute), 132, 133
`132, 133`
`created_time` (`qcs_api_client.models.User` attribute), 193
`193`
`created_time` (`qcs_api_client.models.user.User` at-

D

`datacenter` (`qcs_api_client.models.Endpoint` attribute), 171, 172
`171, 172`
`datacenter` (`qcs_api_client.models.endpoint.Endpoint` attribute), 102, 103
`102, 103`
`datacenters` (`qcs_api_client.models.create_endpoint_parameters`, `CreateE` attribute), 97
`97`
`datacenters` (`qcs_api_client.models.CreateEndpointParameters` attribute), 168
`168`
`DAY` (`qcs_api_client.models.billing_price_recurrence_interval.BillingPrice` attribute), 84
`84`
`DAY` (`qcs_api_client.models.BillingPriceRecurrenceInterval` attribute), 160
`160`
`default_profile_name`
`(qcs_api_client.client.QCSClientConfigurationSettings` attribute), 64
`64`
`DEFAULT_RETRY_ARGUMENTS` (in module `qcs_api_client.util.retry`), 237
`237`
`DEFAULT_RETRY_STATUS_CODES` (in module `qcs_api_client.util.retry`), 237
`237`

`delete_endpoint()` (in module `qcs_api_client.operations.asyncio`), 203
`delete_endpoint()` (in module `qcs_api_client.operations.asyncio_from_dict`), 214
`delete_endpoint()` (in module `qcs_api_client.operations.sync`), 224
`delete_endpoint()` (in module `qcs_api_client.operations.sync_from_dict`), 234
`delete_reservation()` (in module `qcs_api_client.operations.asyncio`), 206
`delete_reservation()` (in module `qcs_api_client.operations.asyncio_from_dict`), 216
`delete_reservation()` (in module `qcs_api_client.operations.sync`), 227
`delete_reservation()` (in module `qcs_api_client.operations.sync_from_dict`), 236
`description` (`qcs_api_client.models.billing_invoice_line.BillingInvoiceLine` attribute), 76
`description` (`qcs_api_client.models.billing_product.BillingProduct` attribute), 87
`description` (`qcs_api_client.models.BillingInvoiceLine` attribute), 155
`description` (`qcs_api_client.models.BillingProduct` attribute), 162
`description` (`qcs_api_client.models.Group` attribute), 177
`description` (`qcs_api_client.models.group.Group` attribute), 111
`details_uri` (`qcs_api_client.models.client_application.ClientApplication` attribute), 95
`details_uri` (`qcs_api_client.models.ClientApplication` attribute), 166, 167
`Dictionary` (class in `qcs_api_client.models`), 170
`Dictionary` (class in `qcs_api_client.models.dictionary`), 100
`DRAFT` (`qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus` attribute), 79
`DRAFT` (`qcs_api_client.models.BillingInvoiceStatus` attribute), 156
`duration` (in module `qcs_api_client.models`), 146
`duration` (in module `qcs_api_client.models.available_reservation`), 72
`duration` (`qcs_api_client.models.available_reservation.AvailableReservation` attribute), 72, 73
`duration` (`qcs_api_client.models.AvailableReservation` attribute), 153
E
`Edge` (class in `qcs_api_client.models`), 171
`Edge` (class in `qcs_api_client.models.edge`), 101
`edges` (`qcs_api_client.models.Architecture` attribute), 151
`edges` (`qcs_api_client.models.architecture.Architecture` attribute), 69
`email` (in module `qcs_api_client.models`), 145, 147, 149
`email` (in module `qcs_api_client.models.auth_email_password_reset_token_request.AuthEmailPasswordResetTokenRequest` attribute), 69
`email` (in module `qcs_api_client.models.invite_user_request`), 114
`email` (in module `qcs_api_client.models.user_profile`), 142
`email` (`qcs_api_client.models.auth_email_password_reset_token_request.AuthEmailPasswordResetTokenRequest` attribute), 70
`email` (`qcs_api_client.models.AuthEmailPasswordResetTokenRequest` attribute), 151
`email` (`qcs_api_client.models.billing_customer.BillingCustomer` attribute), 74
`email` (`qcs_api_client.models.BillingCustomer` attribute), 153
`email` (`qcs_api_client.models.invite_user_request.InviteUserRequest` attribute), 114
`email` (`qcs_api_client.models.InviteUserRequest` attribute), 179
`email` (`qcs_api_client.models.user_profile.UserProfile` attribute), 143
`email` (`qcs_api_client.models.UserProfile` attribute), 194
`end_time` (in module `qcs_api_client.models`), 147
`end_time` (in module `qcs_api_client.models.create_reservation_request`), 99
`end_time` (`qcs_api_client.models.available_reservation.AvailableReservation` attribute), 72, 73
`end_time` (`qcs_api_client.models.AvailableReservation` attribute), 153
`end_time` (`qcs_api_client.models.create_reservation_request.CreateReservationRequest` attribute), 99
`end_time` (`qcs_api_client.models.CreateReservationRequest` attribute), 169, 170
`end_time` (`qcs_api_client.models.Reservation` attribute), 188, 189
`end_time` (`qcs_api_client.models.reservation.Reservation` attribute), 133
`Endpoint` (class in `qcs_api_client.models`), 171
`Endpoint` (class in `qcs_api_client.models.endpoint`), 102
`endpoint_id` (`qcs_api_client.models.create_engagement_request.CreateEngagementRequest` attribute), 98
`endpoint_id` (`qcs_api_client.models.CreateEngagementRequest` attribute), 169
`endpoint_id` (`qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials` attribute), 105, 106
`endpoint_id` (`qcs_api_client.models.EngagementWithCredentials` attribute), 173, 174
`EndpointAddresses` (class in `qcs_api_client.models`), 172
`EndpointAddresses` (class in `qcs_api_client.models.endpoint_addresses`), 101

`qcs_api_client.models.endpoint_addresses`, 103
`endpoints` (in module `qcs_api_client.models`), 148
`endpoints` (in module `qcs_api_client.models.list_endpoints_response`), 118
`endpoints` (`qcs_api_client.models.list_endpoints_response.ListEndpointsResponse` attribute), 118
`endpoints` (`qcs_api_client.models.ListEndpointsResponse` attribute), 181
`EngagementCredentials` (class in `qcs_api_client.models`), 172
`EngagementCredentials` (class in `qcs_api_client.models.engagement_credentials`), 104
`EngagementWithCredentials` (class in `qcs_api_client.models`), 173
`EngagementWithCredentials` (class in `qcs_api_client.models.engagement_with_credentials`), 105
`env_prefix` (`qcs_api_client.client.QCSAuthServer.Config` attribute), 64
`env_prefix` (`qcs_api_client.client.QCSClientConfiguration.BREMONTP_EAB` attribute), 65
`env_prefix` (`qcs_api_client.client.QCSClientConfiguration.BREMONTP_EAB` attribute), 65
`Error` (class in `qcs_api_client.models`), 174
`Error` (class in `qcs_api_client.models.error`), 107
`error` (`qcs_api_client.models.Characteristic` attribute), 164
`error` (`qcs_api_client.models.characteristic.Characteristic` attribute), 90
`expires_at` (`qcs_api_client.models.engagement_with_credentials` attribute), 105, 106
`expires_at` (`qcs_api_client.models.EngagementWithCredentials` attribute), 173, 174
`expires_in` (`qcs_api_client.client.TokenPayload` attribute), 63

F

`Family` (class in `qcs_api_client.models`), 175
`Family` (class in `qcs_api_client.models.family`), 108
`family` (`qcs_api_client.models.Architecture` attribute), 151
`family` (`qcs_api_client.models.architecture.Architecture` attribute), 69
`File` (class in `qcs_api_client.types`), 238
`file_name` (`qcs_api_client.types.File` attribute), 238
`find_available_reservations()` (in module `qcs_api_client.operations.asyncio`), 206
`find_available_reservations()` (in module `qcs_api_client.operations.asyncio_from_dict`), 216
`find_available_reservations()` (in module `qcs_api_client.operations.sync`), 227
`find_available_reservations()` (in module `qcs_api_client.operations.sync_from_dict`), 236
`FindAvailableReservationsResponse` (class in `qcs_api_client.models`), 176
`FindAvailableReservationsResponse` (class in `qcs_api_client.models.find_available_reservations_response`), 109
`first_name` (`qcs_api_client.models.user_profile.UserProfile` attribute), 143
`first_name` (`qcs_api_client.models.UserProfile` attribute), 194
`flat_amount` (`qcs_api_client.models.Tier` attribute), 190, 191
`flat_amount` (`qcs_api_client.models.tier.Tier` attribute), 135, 136
`flat_amount_decimal` (`qcs_api_client.models.Tier` attribute), 190, 191
`flat_amount_decimal` (`qcs_api_client.models.tier.Tier` attribute), 135, 136
`from_dict()` (`qcs_api_client.models.account_balance.AccountBalance` class method), 66
`from_dict()` (`qcs_api_client.models.AccountBalance` class method), 149
`from_dict()` (`qcs_api_client.models.add_group_user_request.AddGroupUserRequest` class method), 68
`from_dict()` (`qcs_api_client.models.add_group_user_request.AddGroupUserRequest` class method), 150
`from_dict()` (`qcs_api_client.models.Architecture` class method), 151
`from_dict()` (`qcs_api_client.models.architecture.Architecture` class method), 69
`from_dict()` (`qcs_api_client.models.auth_email_password_reset_token_request.AuthEmailPasswordResetTokenRequest` class method), 70
`from_dict()` (`qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest` class method), 71
`from_dict()` (`qcs_api_client.models.auth_reset_password_with_token_request.AuthResetPasswordWithTokenRequest` class method), 72
`from_dict()` (`qcs_api_client.models.AuthEmailPasswordResetTokenRequest` class method), 151
`from_dict()` (`qcs_api_client.models.AuthResetPasswordRequest` class method), 152
`from_dict()` (`qcs_api_client.models.AuthResetPasswordWithTokenRequest` class method), 152
`from_dict()` (`qcs_api_client.models.available_reservation.AvailableReservation` class method), 73
`from_dict()` (`qcs_api_client.models.AvailableReservation` class method), 153

<code>from_dict()</code> (<code>qcs_api_client.models.billing_customer.BillingCustomer</code> class method), 74	<code>from_dict()</code> (<code>qcs_api_client.models.ClientApplicationsDownloadLink</code> class method), 168
<code>from_dict()</code> (<code>qcs_api_client.models.billing_invoice.BillingInvoice</code> class method), 75	<code>from_dict()</code> (<code>qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters</code> class method), 97
<code>from_dict()</code> (<code>qcs_api_client.models.billing_invoice_line.BillingInvoiceLine</code> class method), 77	<code>from_dict()</code> (<code>qcs_api_client.models.create_engagement_request.CreateEngagementRequest</code> class method), 98
<code>from_dict()</code> (<code>qcs_api_client.models.billing_invoice_line.BillingInvoiceLineMetadata</code> class method), 78	<code>from_dict()</code> (<code>qcs_api_client.models.create_reservation_request.CreateReservationRequest</code> class method), 100
<code>from_dict()</code> (<code>qcs_api_client.models.billing_price.BillingPrice</code> class method), 81	<code>from_dict()</code> (<code>qcs_api_client.models.CreateEndpointParameters</code> class method), 168
<code>from_dict()</code> (<code>qcs_api_client.models.billing_price_recurrent.BillingPriceRecurrent</code> class method), 83	<code>from_dict()</code> (<code>qcs_api_client.models.CreateEngagementRequest</code> class method), 169
<code>from_dict()</code> (<code>qcs_api_client.models.billing_product.BillingProduct</code> class method), 87	<code>from_dict()</code> (<code>qcs_api_client.models.CreateReservationRequest</code> class method), 170
<code>from_dict()</code> (<code>qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice</code> class method), 89	<code>from_dict()</code> (<code>qcs_api_client.models.Dictionary</code> class method), 170
<code>from_dict()</code> (<code>qcs_api_client.models.BillingCustomer</code> class method), 154	<code>from_dict()</code> (<code>qcs_api_client.models.dictionary.Dictionary</code> class method), 100
<code>from_dict()</code> (<code>qcs_api_client.models.BillingInvoice</code> class method), 155	<code>from_dict()</code> (<code>qcs_api_client.models.Edge</code> class method), 171
<code>from_dict()</code> (<code>qcs_api_client.models.BillingInvoiceLine</code> class method), 155	<code>from_dict()</code> (<code>qcs_api_client.models.edge.Edge</code> class method), 101
<code>from_dict()</code> (<code>qcs_api_client.models.BillingInvoiceLineMetadata</code> class method), 156	<code>from_dict()</code> (<code>qcs_api_client.models.Endpoint</code> class method), 172
<code>from_dict()</code> (<code>qcs_api_client.models.BillingPrice</code> class method), 158	<code>from_dict()</code> (<code>qcs_api_client.models.endpoint.Endpoint</code> class method), 103
<code>from_dict()</code> (<code>qcs_api_client.models.BillingPriceRecurrent</code> class method), 160	<code>from_dict()</code> (<code>qcs_api_client.models.endpoint_addresses.EndpointAddresses</code> class method), 104
<code>from_dict()</code> (<code>qcs_api_client.models.BillingProduct</code> class method), 162	<code>from_dict()</code> (<code>qcs_api_client.models.EndpointAddresses</code> class method), 172
<code>from_dict()</code> (<code>qcs_api_client.models.BillingUpcomingInvoice</code> class method), 163	<code>from_dict()</code> (<code>qcs_api_client.models.engagement_credentials.EngagementCredentials</code> class method), 104
<code>from_dict()</code> (<code>qcs_api_client.models.Characteristic</code> class method), 164	<code>from_dict()</code> (<code>qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials</code> class method), 106
<code>from_dict()</code> (<code>qcs_api_client.models.characteristic.Characteristic</code> class method), 90	<code>from_dict()</code> (<code>qcs_api_client.models.EngagementCredentials</code> class method), 173
<code>from_dict()</code> (<code>qcs_api_client.models.check_client_application.CheckClientApplicationRequest</code> class method), 91	<code>from_dict()</code> (<code>qcs_api_client.models.EngagementWithCredentials</code> class method), 174
<code>from_dict()</code> (<code>qcs_api_client.models.check_client_application.CheckClientApplicationResponse</code> class method), 92	<code>from_dict()</code> (<code>qcs_api_client.models.error.CheckClientApplicationResponseError</code> class method), 175
<code>from_dict()</code> (<code>qcs_api_client.models.CheckClientApplicationRequest</code> class method), 165	<code>from_dict()</code> (<code>qcs_api_client.models.error.Error</code> class method), 107
<code>from_dict()</code> (<code>qcs_api_client.models.CheckClientApplicationResponse</code> class method), 165	<code>from_dict()</code> (<code>qcs_api_client.models.find_available_reservations_response.FindAvailableReservationsResponse</code> class method), 109
<code>from_dict()</code> (<code>qcs_api_client.models.checksum_description.ChecksumDescription</code> class method), 93	<code>from_dict()</code> (<code>qcs_api_client.models.FindAvailableReservationsResponse</code> class method), 176
<code>from_dict()</code> (<code>qcs_api_client.models.ChecksumDescription</code> class method), 166	<code>from_dict()</code> (<code>qcs_api_client.models.get_quilt_calibrations_response.GetQuiltCalibrationsResponse</code> class method), 110
<code>from_dict()</code> (<code>qcs_api_client.models.client_application.ClientApplication</code> class method), 95	<code>from_dict()</code> (<code>qcs_api_client.models.GetQuiltCalibrationsResponse</code> class method), 176
<code>from_dict()</code> (<code>qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink</code> class method), 96	<code>from_dict()</code> (<code>qcs_api_client.models.group.Group</code> class method), 177
<code>from_dict()</code> (<code>qcs_api_client.models.ClientApplication</code> class method), 167	<code>from_dict()</code> (<code>qcs_api_client.models.group.Group</code> class method), 111

`from_dict()` (`qcs_api_client.models.Health` class method), 178
`from_dict()` (`qcs_api_client.models.health.Health` class method), 112
`from_dict()` (`qcs_api_client.models.instruction_set_architecture.InstructionSetArchitecture` class method), 113
`from_dict()` (`qcs_api_client.models.InstructionSetArchitecture` class method), 179
`from_dict()` (`qcs_api_client.models.invite_user_request.InviteUserRequest` class method), 114
`from_dict()` (`qcs_api_client.models.InviteUserRequest` class method), 179
`from_dict()` (`qcs_api_client.models.list_account_billing_parameters_response.ListAccountBillingParametersResponse` class method), 115
`from_dict()` (`qcs_api_client.models.list_account_billing_parameters_response.ListAccountBillingParametersResponse` class method), 116
`from_dict()` (`qcs_api_client.models.list_client_applications_response.ListClientApplicationsResponse` class method), 117
`from_dict()` (`qcs_api_client.models.list_endpoints_response.ListEndpointsResponse` class method), 118
`from_dict()` (`qcs_api_client.models.list_group_users_response.ListGroupUsersResponse` class method), 119
`from_dict()` (`qcs_api_client.models.list_groups_response.ListGroupsResponse` class method), 120
`from_dict()` (`qcs_api_client.models.list_quantum_processors_response.ListQuantumProcessorsResponse` class method), 121
`from_dict()` (`qcs_api_client.models.list_quantum_processors_response.ListQuantumProcessorsResponse` class method), 122
`from_dict()` (`qcs_api_client.models.list_reservations_response.ListReservationsResponse` class method), 123
`from_dict()` (`qcs_api_client.models.ListAccountBillingInvitationResponse` class method), 179
`from_dict()` (`qcs_api_client.models.ListAccountBillingInvitationResponse` class method), 180
`from_dict()` (`qcs_api_client.models.ListClientApplicationsResponse` class method), 180
`from_dict()` (`qcs_api_client.models.ListEndpointsResponse` class method), 181
`from_dict()` (`qcs_api_client.models.ListGroupsResponse` class method), 182
`from_dict()` (`qcs_api_client.models.ListGroupUsersResponse` class method), 181
`from_dict()` (`qcs_api_client.models.ListQuantumProcessorsResponse` class method), 182
`from_dict()` (`qcs_api_client.models.ListQuantumProcessorsResponse` class method), 183
`from_dict()` (`qcs_api_client.models.ListReservationsResponse` class method), 183
`from_dict()` (`qcs_api_client.models.Node` class method), 184
`from_dict()` (`qcs_api_client.models.node.Node` class method), 124
`from_dict()` (`qcs_api_client.models.Operation` class method), 185
`from_dict()` (`qcs_api_client.models.operation.Operation` class method), 126
`from_dict()` (`qcs_api_client.models.operation_site.OperationSite` class method), 126
`from_dict()` (`qcs_api_client.models.OperationSite` class method), 185
`from_dict()` (`qcs_api_client.models.Parameter` class method), 185
`from_dict()` (`qcs_api_client.models.parameter.Parameter` class method), 127
`from_dict()` (`qcs_api_client.models.parameter_spec.ParameterSpec` class method), 128
`from_dict()` (`qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest` class method), 132
`from_dict()` (`qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest` class method), 132
`from_dict()` (`qcs_api_client.models.RemoveGroupUsersResponse` class method), 188
`from_dict()` (`qcs_api_client.models.RestartEndpointRequest` class method), 190
`from_dict()` (`qcs_api_client.models.reservation.Reservation` class method), 134
`from_dict()` (`qcs_api_client.models.restart_endpoint_request.RestartEndpointRequest` class method), 135
`from_dict()` (`qcs_api_client.models.RestartEndpointRequest` class method), 190
`from_dict()` (`qcs_api_client.models.Tier` class method), 191
`from_dict()` (`qcs_api_client.models.tier.Tier` class method), 136
`from_dict()` (`qcs_api_client.models.translate_native_quil_to_encrypted_binaries.TranslateNativeQuilToEncryptedBinaries` class method), 137
`from_dict()` (`qcs_api_client.models.translate_native_quil_to_encrypted_binaries.TranslateNativeQuilToEncryptedBinaries` class method), 138
`from_dict()` (`qcs_api_client.models.translate_native_quil_to_encrypted_binaries.TranslateNativeQuilToEncryptedBinaries` class method), 139
`from_dict()` (`qcs_api_client.models.TranslateNativeQuilToEncryptedBinariesResponse` class method), 191
`from_dict()` (`qcs_api_client.models.TranslateNativeQuilToEncryptedBinariesResponse` class method), 192
`from_dict()` (`qcs_api_client.models.TranslateNativeQuilToEncryptedBinariesResponse` class method), 192
`from_dict()` (`qcs_api_client.models.User` class method), 193
`from_dict()` (`qcs_api_client.models.user.User` class method), 140

from_dict() (qcs_api_client.models.user_credentials.UserCredentials class method), 141
 from_dict() (qcs_api_client.models.user_credentials_password.UserCredentialsPassword class method), 142
 from_dict() (qcs_api_client.models.user_profile.UserProfile class method), 143
 from_dict() (qcs_api_client.models.UserCredentials class method), 194
 from_dict() (qcs_api_client.models.UserCredentialsPassword class method), 194
 from_dict() (qcs_api_client.models.UserProfile class method), 195
 from_dict() (qcs_api_client.models.validation_error.ValidationError class method), 144
 from_dict() (qcs_api_client.models.ValidationError class method), 195
 FULL (qcs_api_client.models.Family attribute), 175
 FULL (qcs_api_client.models.family.Family attribute), 108
G
 GATEWAY_V1 (qcs_api_client.models.quantum_processor_accessor_types.QuantumProcessorAccessorType attribute), 131
 GATEWAY_V1 (qcs_api_client.models.QuantumProcessorAccessorType attribute), 187
 get_access_token_claims() (qcs_api_client.client.TokenPayload method), 63
 get_client_application() (in module qcs_api_client.operations.asyncio), 202
 get_client_application() (in module qcs_api_client.operations.asyncio_from_dict), 214
 get_client_application() (in module qcs_api_client.operations.sync), 223
 get_client_application() (in module qcs_api_client.operations.sync_from_dict), 234
 get_default_endpoint() (in module qcs_api_client.operations.asyncio), 203
 get_default_endpoint() (in module qcs_api_client.operations.asyncio_from_dict), 214
 get_default_endpoint() (in module qcs_api_client.operations.sync), 224
 get_default_endpoint() (in module qcs_api_client.operations.sync_from_dict), 234
 get_endpoint() (in module qcs_api_client.operations.asyncio), 203
 get_endpoint() (in module qcs_api_client.operations.asyncio_from_dict), 215
 get_endpoint() (in module qcs_api_client.operations.sync), 224
 get_endpoint() (in module qcs_api_client.operations.sync_from_dict), 234
 get_group_balance() (in module qcs_api_client.operations.asyncio), 197
 get_group_balance() (in module qcs_api_client.operations.asyncio_from_dict), 210
 get_group_balance() (in module qcs_api_client.operations.sync), 219
 get_group_balance() (in module qcs_api_client.operations.sync_from_dict), 231
 get_group_billing_customer() (in module qcs_api_client.operations.asyncio), 197
 get_group_billing_customer() (in module qcs_api_client.operations.asyncio_from_dict), 211
 get_group_billing_customer() (in module qcs_api_client.operations.sync), 219
 get_group_billing_customer() (in module qcs_api_client.operations.sync_from_dict), 231
 get_group_upcoming_billing_invoice() (in module qcs_api_client.operations.asyncio), 198
 get_group_upcoming_billing_invoice() (in module qcs_api_client.operations.asyncio_from_dict), 211
 get_group_upcoming_billing_invoice() (in module qcs_api_client.operations.sync), 219
 get_group_upcoming_billing_invoice() (in module qcs_api_client.operations.sync_from_dict), 231
 get_health() (in module qcs_api_client.operations.asyncio), 202
 get_health() (in module qcs_api_client.operations.asyncio_from_dict), 214
 get_health() (in module qcs_api_client.operations.sync), 223
 get_health() (in module qcs_api_client.operations.sync_from_dict), 234
 get_instruction_set_architecture() (in module qcs_api_client.operations.asyncio), 204
 get_instruction_set_architecture() (in module qcs_api_client.operations.asyncio_from_dict), 215
 get_instruction_set_architecture() (in module qcs_api_client.operations.sync), 225
 get_instruction_set_architecture() (in module qcs_api_client.operations.sync_from_dict), 235

235
 get_quantum_processor() (in module
 qcs_api_client.operations.asyncio), 205
 get_quantum_processor() (in module
 qcs_api_client.operations.asyncio_from_dict),
 215
 get_quantum_processor() (in module
 qcs_api_client.operations.sync), 226
 get_quantum_processor() (in module
 qcs_api_client.operations.sync_from_dict),
 235
 get_quilt_calibrations() (in module
 qcs_api_client.operations.asyncio), 208
 get_quilt_calibrations() (in module
 qcs_api_client.operations.asyncio_from_dict),
 217
 get_quilt_calibrations() (in module
 qcs_api_client.operations.sync), 228
 get_quilt_calibrations() (in module
 qcs_api_client.operations.sync_from_dict),
 236
 get_user_balance() (in module
 qcs_api_client.operations.asyncio), 198
 get_user_balance() (in module
 qcs_api_client.operations.asyncio_from_dict),
 211
 get_user_balance() (in module
 qcs_api_client.operations.sync), 219
 get_user_balance() (in module
 qcs_api_client.operations.sync_from_dict),
 231
 get_user_billing_customer() (in module
 qcs_api_client.operations.asyncio), 198
 get_user_billing_customer() (in module
 qcs_api_client.operations.asyncio_from_dict),
 211
 get_user_billing_customer() (in module
 qcs_api_client.operations.sync), 220
 get_user_billing_customer() (in module
 qcs_api_client.operations.sync_from_dict),
 232
 get_user_upcoming_billing_invoice() (in module
 qcs_api_client.operations.asyncio), 198
 get_user_upcoming_billing_invoice() (in module
 qcs_api_client.operations.asyncio_from_dict),
 211
 get_user_upcoming_billing_invoice() (in module
 qcs_api_client.operations.sync), 220
 get_user_upcoming_billing_invoice() (in mod-
 ule *qcs_api_client.operations.sync_from_dict*),
 232
 GetQuiltCalibrationsResponse (class in
 qcs_api_client.models), 176
 GetQuiltCalibrationsResponse (class in
 qcs_api_client.models.get_quilt_calibrations_response),
 110
 GRADUATED (*qcs_api_client.models.billing_price_tiers_mode.BillingPriceTiersMode*
 attribute), 86
 GRADUATED (*qcs_api_client.models.BillingPriceTiersMode*
 attribute), 161
 Group (class in *qcs_api_client.models*), 177
 Group (class in *qcs_api_client.models.group*), 111
 group (*qcs_api_client.client.QCSAccountType* attribute),
 64
 GROUP (*qcs_api_client.models.account_type.AccountType*
 attribute), 67
 GROUP (*qcs_api_client.models.AccountType* attribute),
 150
 group_id (*qcs_api_client.models.add_group_user_request.AddGroupUserRequest*
 attribute), 67, 68
 group_id (*qcs_api_client.models.AddGroupUserRequest*
 attribute), 150
 group_id (*qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest*
 attribute), 131
 group_id (*qcs_api_client.models.RemoveGroupUserRequest*
 attribute), 187, 188
 group_name (*qcs_api_client.models.add_group_user_request.AddGroupUserRequest*
 attribute), 67, 68
 group_name (*qcs_api_client.models.AddGroupUserRequest*
 attribute), 150
 group_name (*qcs_api_client.models.invite_user_request.InviteUserRequest*
 attribute), 114
 group_name (*qcs_api_client.models.InviteUserRequest*
 attribute), 179
 group_name (*qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest*
 attribute), 131
 group_name (*qcs_api_client.models.RemoveGroupUserRequest*
 attribute), 187, 188
 groups (in module *qcs_api_client.models*), 148
 groups (in module *qcs_api_client.models.list_groups_response*),
 120
 groups (*qcs_api_client.models.list_groups_response.ListGroupsResponse*
 attribute), 120
 groups (*qcs_api_client.models.ListGroupsResponse* at-
 tribute), 181, 182
 grpc (*qcs_api_client.models.endpoint_addresses.EndpointAddresses*
 attribute), 103
 grpc (*qcs_api_client.models.EndpointAddresses* at-
 tribute), 172
H
 HEADER (*qcs_api_client.models.validation_error_in.ValidationErrorMessageIn*
 attribute), 145
 HEADER (*qcs_api_client.models.ValidationErrorMessageIn*
 attribute), 196
 header_name (in module *qcs_api_client.models*), 146
 header_name (in
 qcs_api_client.models.checksum_description),

93
 header_name(*qcs_api_client.models.checksum_description.ChecksumDescription* attribute), 93
 header_name(*qcs_api_client.models.ChecksumDescription* attribute), 166
 Health (class in *qcs_api_client.models*), 177
 Health (class in *qcs_api_client.models.health*), 112
 health_check() (in module *qcs_api_client.operations.asyncio*), 202
 health_check() (in module *qcs_api_client.operations.asyncio_from_dict*), 214
 health_check() (in module *qcs_api_client.operations.sync*), 223
 health_check() (in module *qcs_api_client.operations.sync_from_dict*), 234
 healthy (*qcs_api_client.models.Endpoint* attribute), 171
 healthy (*qcs_api_client.models.endpoint.Endpoint* attribute), 102
 |
 id (in module *qcs_api_client.models*), 148
 id (in module *qcs_api_client.models.quantum_processor*), 128
 id (*qcs_api_client.models.billing_customer.BillingCustomer* attribute), 74
 id (*qcs_api_client.models.billing_invoice.BillingInvoice* attribute), 75
 id (*qcs_api_client.models.billing_invoice_line.BillingInvoiceLine* attribute), 76
 id (*qcs_api_client.models.billing_price.BillingPrice* attribute), 79, 80
 id (*qcs_api_client.models.billing_product.BillingProduct* attribute), 86, 87
 id (*qcs_api_client.models.BillingCustomer* attribute), 153
 id (*qcs_api_client.models.BillingInvoice* attribute), 154, 155
 id (*qcs_api_client.models.BillingInvoiceLine* attribute), 155
 id (*qcs_api_client.models.BillingPrice* attribute), 157, 158
 id (*qcs_api_client.models.BillingProduct* attribute), 161, 162
 id (*qcs_api_client.models.Endpoint* attribute), 171, 172
 id (*qcs_api_client.models.endpoint.Endpoint* attribute), 102, 103
 id (*qcs_api_client.models.Group* attribute), 177
 id (*qcs_api_client.models.group.Group* attribute), 111
 id (*qcs_api_client.models.quantum_processor.QuantumProcessor* attribute), 128, 129
 id (*qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessor* attribute), 130
 id (*qcs_api_client.models.QuantumProcessor* attribute), 186
 id (*qcs_api_client.models.QuantumProcessorAccessor* attribute), 186, 187
 id (*qcs_api_client.models.Reservation* attribute), 188, 189
 id (*qcs_api_client.models.reservation.Reservation* attribute), 133
 id (*qcs_api_client.models.User* attribute), 193
 id (*qcs_api_client.models.user.User* attribute), 140
 id_token (*qcs_api_client.client.TokenPayload* attribute), 63
 idp_id (*qcs_api_client.models.User* attribute), 193
 idp_id (*qcs_api_client.models.user.User* attribute), 140
 in_ (in module *qcs_api_client.models*), 149
 in_ (in module *qcs_api_client.models.validation_error*), 144
 in_ (*qcs_api_client.models.validation_error.ValidationError* attribute), 144
 in_ (*qcs_api_client.models.ValidationError* attribute), 195
 instructions (*qcs_api_client.models.instruction_set_architecture.InstructionSetArchitecture* attribute), 113
 instructions (*qcs_api_client.models.InstructionSetArchitecture* attribute), 178
 InstructionSetArchitecture (class in *qcs_api_client.models*), 178
 InstructionSetArchitecture (class in *qcs_api_client.models.instruction_set_architecture*), 113
 interval (*qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence* attribute), 82, 83
 interval (*qcs_api_client.models.BillingPriceRecurrence* attribute), 159
 interval_count (*qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence* attribute), 83
 interval_count (*qcs_api_client.models.BillingPriceRecurrence* attribute), 159
 InviteUserRequest (class in *qcs_api_client.models*), 179
 InviteUserRequest (class in *qcs_api_client.models.invite_user_request*), 114
 invoice_item (*qcs_api_client.models.billing_invoice_line.BillingInvoiceLine* attribute), 76
 invoice_item (*qcs_api_client.models.BillingInvoiceLine* attribute), 155
 INVOICEITEM (*qcs_api_client.models.billing_invoice_line_line_item_type.LineItemType* attribute), 77
 INVOICEITEM (*qcs_api_client.models.BillingInvoiceLineLineItemType* attribute), 156
 is_latest_version (in module *qcs_api_client.models*), 146
 is_latest_version (in module)

`qcs_api_client.models.check_client_application_response_line_type(qcs_api_client.models.billing_invoice_line.BillingInvoiceLineType)` (in module `qcs_api_client.models`), 76
`is_latest_version(qcs_api_client.models.check_client_application_response_line_type(qcs_api_client.models.billing_invoice_line.BillingInvoiceLineType))` (in module `qcs_api_client.models`), 92
`is_latest_version(qcs_api_client.models.CheckClientApplicationResponseLineType(qcs_api_client.models.billing_invoice_line.BillingInvoiceLineType))` (in module `qcs_api_client.models`), 155
`is_latest_version(qcs_api_client.models.CheckClientApplicationResponseLineType(qcs_api_client.models.billing_invoice_line.BillingInvoiceLineType))` (in module `qcs_api_client.models`), 165
`is_not_none()` (in module `links` (`qcs_api_client.models.ClientApplication` attribute)), 95
`qcs_api_client.util.serialization`, 238
`is_update_required(qcs_api_client.models.check_client_application_response_line_type(qcs_api_client.models.billing_invoice_line.BillingInvoiceLineType))` (in module `qcs_api_client.models`), 92
`is_update_required(qcs_api_client.models.CheckClientApplicationResponseLineType(qcs_api_client.models.billing_invoice_line.BillingInvoiceLineType))` (in module `qcs_api_client.models`), 165
`issuer(qcs_api_client.client.QCSAuthServer)` (in module `qcs_api_client`), 214
`list_client_applications()` (in module `qcs_api_client.operations.asyncio`), 202
`list_client_applications()` (in module `qcs_api_client.operations.asyncio_from_dict`), 214
`list_client_applications()` (in module `qcs_api_client.operations.sync`), 223
`list_client_applications()` (in module `qcs_api_client.operations.sync_from_dict`), 232
L
`LAST_DURING_PERIOD(qcs_api_client.models.billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 84
`LAST_DURING_PERIOD(qcs_api_client.models.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 160
`LAST_DURING_PERIOD(qcs_api_client.models.billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 234
`LAST_DURING_PERIOD(qcs_api_client.models.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 203
`LAST_EVER(qcs_api_client.models.billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 84
`LAST_EVER(qcs_api_client.models.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 160
`LAST_EVER(qcs_api_client.models.billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 234
`LAST_EVER(qcs_api_client.models.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 203
`list_endpoints()` (in module `qcs_api_client.operations.asyncio`), 202
`list_endpoints()` (in module `qcs_api_client.operations.asyncio_from_dict`), 214
`list_endpoints()` (in module `qcs_api_client.operations.sync`), 223
`list_endpoints()` (in module `qcs_api_client.operations.sync_from_dict`), 232
`last_membership_updated_time(qcs_api_client.models.Group)` (in module `qcs_api_client.models`), 177
`last_membership_updated_time(qcs_api_client.models.group.Group)` (in module `qcs_api_client.models`), 111
`list_group_billing_invoice_lines()` (in module `qcs_api_client.operations.asyncio`), 198
`list_group_billing_invoice_lines()` (in module `qcs_api_client.operations.asyncio_from_dict`), 211
`list_group_billing_invoice_lines()` (in module `qcs_api_client.operations.sync`), 220
`list_group_billing_invoice_lines()` (in module `qcs_api_client.operations.sync_from_dict`), 232
`latest_version(in module qcs_api_client.models)`, 146
`latest_version(in module qcs_api_client.models.client_application)`, 94
`latest_version(qcs_api_client.models.client_application.ClientApplicationType)` (in module `qcs_api_client.models`), 94, 95
`latest_version(qcs_api_client.models.ClientApplicationType)` (in module `qcs_api_client.models`), 166, 167
`list_group_billing_invoices()` (in module `qcs_api_client.operations.asyncio`), 199
`list_group_billing_invoices()` (in module `qcs_api_client.operations.asyncio_from_dict`), 212
`list_group_billing_invoices()` (in module `qcs_api_client.operations.sync`), 220
`list_group_billing_invoices()` (in module `qcs_api_client.operations.sync_from_dict`), 232
`length(in module qcs_api_client.models)`, 148
`length(in module qcs_api_client.models.parameter_spec)`, 127
`length(qcs_api_client.models.parameter_spec.ParameterSpec)` (in module `qcs_api_client.models`), 128
`length(qcs_api_client.models.ParameterSpec)` (in module `qcs_api_client.models`), 185
`list_group_reservations()` (in module `qcs_api_client.operations.asyncio`), 207
`list_group_reservations()` (in module `qcs_api_client.operations.asyncio_from_dict`), 217
`list_group_reservations()` (in module `qcs_api_client.operations.sync`), 220
`list_group_reservations()` (in module `qcs_api_client.operations.sync_from_dict`), 232
`LICENSED(qcs_api_client.models.billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 85
`LICENSED(qcs_api_client.models.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 161
`LICENSED(qcs_api_client.models.billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 234
`LICENSED(qcs_api_client.models.BillingPriceRecurrenceAggregateUsageType)` (in module `qcs_api_client.models`), 203

<code>qcs_api_client.operations.sync</code>), 227	<code>qcs_api_client.operations.sync_from_dict</code>),
<code>list_group_reservations()</code> (in module	236
<code>qcs_api_client.operations.sync_from_dict</code>),	<code>list_user_billing_invoice_lines()</code> (in module
236	<code>qcs_api_client.operations.asyncio</code>), 199
<code>list_group_upcoming_billing_invoice_lines()</code>	<code>list_user_billing_invoice_lines()</code> (in module
(in module <code>qcs_api_client.operations.asyncio</code>),	<code>qcs_api_client.operations.asyncio_from_dict</code>),
199	212
<code>list_group_upcoming_billing_invoice_lines()</code>	<code>list_user_billing_invoice_lines()</code> (in module
(in module <code>qcs_api_client.operations.asyncio_from_dict</code>),	<code>qcs_api_client.operations.sync</code>), 221
212	<code>list_user_billing_invoice_lines()</code> (in module
<code>list_group_upcoming_billing_invoice_lines()</code>	<code>qcs_api_client.operations.sync_from_dict</code>),
(in module <code>qcs_api_client.operations.sync</code>),	232
220	<code>list_user_billing_invoices()</code> (in module
<code>list_group_upcoming_billing_invoice_lines()</code>	<code>qcs_api_client.operations.asyncio</code>), 200
(in module <code>qcs_api_client.operations.sync_from_dict</code>),	<code>list_user_billing_invoices()</code> (in module
232	<code>qcs_api_client.operations.asyncio_from_dict</code>),
<code>list_group_users()</code> (in module	212
<code>qcs_api_client.operations.asyncio</code>), 199	<code>list_user_billing_invoices()</code> (in module
<code>list_group_users()</code> (in module	<code>qcs_api_client.operations.sync</code>), 221
<code>qcs_api_client.operations.asyncio_from_dict</code>),	<code>list_user_billing_invoices()</code> (in module
212	<code>qcs_api_client.operations.sync_from_dict</code>),
<code>list_group_users()</code> (in module	233
<code>qcs_api_client.operations.sync</code>), 221	<code>list_user_groups()</code> (in module
<code>list_group_users()</code> (in module	<code>qcs_api_client.operations.asyncio</code>), 200
<code>qcs_api_client.operations.sync_from_dict</code>),	<code>list_user_groups()</code> (in module
232	<code>qcs_api_client.operations.asyncio_from_dict</code>),
<code>list_quantum_processor_accessors()</code> (in module	213
<code>qcs_api_client.operations.asyncio</code>), 205	<code>list_user_groups()</code> (in module
<code>list_quantum_processor_accessors()</code> (in module	<code>qcs_api_client.operations.sync</code>), 221
<code>qcs_api_client.operations.asyncio_from_dict</code>),	<code>list_user_groups()</code> (in module
216	<code>qcs_api_client.operations.sync_from_dict</code>),
<code>list_quantum_processor_accessors()</code> (in module	233
<code>qcs_api_client.operations.sync</code>), 226	<code>list_user_upcoming_billing_invoice_lines()</code>
<code>list_quantum_processor_accessors()</code> (in module	(in module <code>qcs_api_client.operations.asyncio</code>),
<code>qcs_api_client.operations.sync_from_dict</code>),	200
235	<code>list_user_upcoming_billing_invoice_lines()</code>
<code>list_quantum_processors()</code> (in module	(in module <code>qcs_api_client.operations.asyncio_from_dict</code>),
<code>qcs_api_client.operations.asyncio</code>), 205	213
<code>list_quantum_processors()</code> (in module	<code>list_user_upcoming_billing_invoice_lines()</code>
<code>qcs_api_client.operations.asyncio_from_dict</code>),	(in module <code>qcs_api_client.operations.sync</code>),
216	221
<code>list_quantum_processors()</code> (in module	<code>list_user_upcoming_billing_invoice_lines()</code>
<code>qcs_api_client.operations.sync</code>), 226	(in module <code>qcs_api_client.operations.sync_from_dict</code>),
<code>list_quantum_processors()</code> (in module	233
<code>qcs_api_client.operations.sync_from_dict</code>),	<code>ListAccountBillingInvoiceLinesResponse</code> (class
235	in <code>qcs_api_client.models</code>), 179
<code>list_reservations()</code> (in module	<code>ListAccountBillingInvoiceLinesResponse</code> (class
<code>qcs_api_client.operations.asyncio</code>), 207	in <code>qcs_api_client.models.list_account_billing_invoice_lines_response</code>),
<code>list_reservations()</code> (in module	115
<code>qcs_api_client.operations.asyncio_from_dict</code>),	<code>ListAccountBillingInvoicesResponse</code> (class in
217	<code>qcs_api_client.models</code>), 180
<code>list_reservations()</code> (in module	<code>ListAccountBillingInvoicesResponse</code> (class in
<code>qcs_api_client.operations.sync</code>), 228	<code>qcs_api_client.models.list_account_billing_invoices_response</code>),
<code>list_reservations()</code> (in module	116

ListClientApplicationsResponse (class in memory_descriptors (qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryResponse attribute), 192
 qcs_api_client.models), 180
 ListClientApplicationsResponse (class in message (qcs_api_client.models.check_client_application_response.CheckClientApplicationResponse attribute), 92
 qcs_api_client.models.list_client_applications_response), 117
 ListEndpointsResponse (class in message (qcs_api_client.models.CheckClientApplicationResponse attribute), 165
 qcs_api_client.models), 180
 ListEndpointsResponse (class in message (qcs_api_client.models.Error attribute), 175
 qcs_api_client.models.list_endpoints_response), 118
 ListGroupsResponse (class in message (qcs_api_client.models.error.Error attribute), 107
 qcs_api_client.models), 181
 ListGroupsResponse (class in message (qcs_api_client.models.validation_error.ValidationError attribute), 144
 qcs_api_client.models.list_groups_response), 120
 ListGroupUsersResponse (class in message (qcs_api_client.models.ValidationError attribute), 195
 qcs_api_client.models), 181
 ListGroupUsersResponse (class in metadata (qcs_api_client.models.billing_invoice_line.BillingInvoiceLine attribute), 76
 qcs_api_client.models.list_group_users_response), 119
 ListQuantumProcessorAccessorsResponse (class in metadata (qcs_api_client.models.BillingInvoiceLine attribute), 155
 qcs_api_client.models), 182
 ListQuantumProcessorAccessorsResponse (class in METERED (qcs_api_client.models.billing_price_recurrence_usage_type.BillingPriceRecurrenceAggregateUsage attribute), 85
 qcs_api_client.models.list_quantum_processor_accessors_response), 121
 ListQuantumProcessorsResponse (class in METERED (qcs_api_client.models.BillingPriceRecurrenceUsageType attribute), 161
 qcs_api_client.models), 182
 ListQuantumProcessorsResponse (class in mime_type (qcs_api_client.types.File attribute), 238
 qcs_api_client.models.list_quantum_processors_response), 122
 ListReservationsResponse (class in minimum_priority (qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials attribute), 106
 qcs_api_client.models), 183
 ListReservationsResponse (class in minimum_priority (qcs_api_client.models.EngagementWithCredentials attribute), 174
 qcs_api_client.models.list_reservations_response), 123
 live (qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessor attribute), 129, 130
 live (qcs_api_client.models.QuantumProcessorAccessor attribute), 186, 187
 load() (qcs_api_client.client.QCSClientConfiguration class method), 62
 live (qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessor attribute), 129, 130
 live (qcs_api_client.models.QuantumProcessorAccessor attribute), 186, 187
 load() (qcs_api_client.client.QCSClientConfiguration class method), 62
M
 MAX (qcs_api_client.models.billing_price_recurrence_aggregate_usage.BillingPriceRecurrenceAggregateUsage attribute), 84
 MAX (qcs_api_client.models.BillingPriceRecurrenceAggregateUsage attribute), 160
 MD5 (qcs_api_client.models.checksum_description_type.ChecksumDescriptionType attribute), 94
 MD5 (qcs_api_client.models.ChecksumDescriptionType attribute), 166
 memory_descriptors (qcs_api_client.models.translate_native_quil_to_encrypted_binary_response.TranslateNativeQuilToEncryptedBinaryResponse attribute), 138

qcs_api_client.api.account.list_group_billing_invoices,	41	qcs_api_client.api.quantum_processors.get_instruction,
14		
qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines,	43	qcs_api_client.api.quantum_processors.get_quantum_pro
15		
qcs_api_client.api.account.list_group_users,	44	qcs_api_client.api.quantum_processors.list_quantum_pro
16		
qcs_api_client.api.account.list_user_billing_invoices,	46	qcs_api_client.api.quantum_processors.list_quantum_pro
17		
qcs_api_client.api.account.list_user_billing_invoices,	48	qcs_api_client.api.reservations,
18		
qcs_api_client.api.account.list_user_groups,	48	qcs_api_client.api.reservations.create_reservation,
19		
qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines,	49	qcs_api_client.api.reservations.delete_reservation,
20		
qcs_api_client.api.account.remove_group_user,	50	qcs_api_client.api.reservations.find_available_reserva
21		
qcs_api_client.api.authentication,	52	qcs_api_client.api.reservations.list_group_reservation
22		
qcs_api_client.api.authentication.auth_email_password_reset_token,	54	qcs_api_client.api.reservations.list_reservations,
23		
qcs_api_client.api.authentication.auth_get_user,	55	qcs_api_client.api.translation,
24		
qcs_api_client.api.authentication.auth_reset_password,	56	qcs_api_client.api.translation.get_quilt_calibrations,
25		
qcs_api_client.api.authentication.auth_reset_password_with_token,	57	qcs_api_client.api.translation.translate_native_quil_t
26		
qcs_api_client.api.client_applications,	58	qcs_api_client.client,
27		
qcs_api_client.api.client_applications.check_client_application,	59	qcs_api_client.client.auth,
28		
qcs_api_client.api.client_applications.get_client_application,	60	qcs_api_client.client.client,
29		
qcs_api_client.api.client_applications.list_client_applications,	61	qcs_api_client.models,
30		
qcs_api_client.api.default,	31	qcs_api_client.models.account_balance,
31		
qcs_api_client.api.default.get_health,	31	qcs_api_client.models.account_type,
32		
qcs_api_client.api.default.health_check,	32	qcs_api_client.models.add_group_user_request,
33		
qcs_api_client.api.endpoints,	32	qcs_api_client.models.architecture,
34		
qcs_api_client.api.endpoints.create_endpoint,	32	qcs_api_client.models.auth_email_password_reset_token,
35		
qcs_api_client.api.endpoints.delete_endpoint,	34	qcs_api_client.models.auth_reset_password_request,
36		
qcs_api_client.api.endpoints.get_default_endpoint,	35	qcs_api_client.models.auth_reset_password_with_token_r
37		
qcs_api_client.api.endpoints.get_endpoint,	36	qcs_api_client.models.available_reservation,
38		
qcs_api_client.api.endpoints.list_endpoints,	37	qcs_api_client.models.billing_customer,
39		
qcs_api_client.api.endpoints.restart_endpoint,	38	qcs_api_client.models.billing_invoice,
40		
qcs_api_client.api.engagements,	40	qcs_api_client.models.billing_invoice_line,
41		
qcs_api_client.api.engagements.create_engagement,	40	qcs_api_client.models.billing_invoice_line_line_item_t
42		
qcs_api_client.api.quantum_processors,	41	qcs_api_client.models.billing_invoice_line_metadata,
43		
		qcs_api_client.models.billing_invoice_status,
		qcs_api_client.models.billing_price,
		qcs_api_client.models.billing_price_object,

81	qcs_api_client.models.group, 110
qcs_api_client.models.billing_price_price_type,	qcs_api_client.models.health, 112
82	qcs_api_client.models.instruction_set_architecture,
qcs_api_client.models.billing_price_recurrence,	112
82	qcs_api_client.models.invite_user_request,
qcs_api_client.models.billing_price_recurrence_aggregate_usage,	114
83	qcs_api_client.models.list_account_billing_invoice_line,
qcs_api_client.models.billing_price_recurrence_interval,	115
84	qcs_api_client.models.list_account_billing_invoices_re,
qcs_api_client.models.billing_price_recurrence_usage_type,	116
84	qcs_api_client.models.list_client_applications_response,
qcs_api_client.models.billing_price_scheme,	117
85	qcs_api_client.models.list_endpoints_response,
qcs_api_client.models.billing_price_tiers_mode,	118
86	qcs_api_client.models.list_group_users_response,
qcs_api_client.models.billing_product, 86	119
qcs_api_client.models.billing_product_object,	qcs_api_client.models.list_groups_response,
87	120
qcs_api_client.models.billing_upcoming_invoice,	qcs_api_client.models.list_quantum_processor_accessors,
88	121
qcs_api_client.models.characteristic, 89	qcs_api_client.models.list_quantum_processors_response,
qcs_api_client.models.check_client_application_request,	122
91	qcs_api_client.models.list_reservations_response,
qcs_api_client.models.check_client_application_response,	123
92	qcs_api_client.models.node, 124
qcs_api_client.models.checksum_description,	qcs_api_client.models.nomad_job_datacenters,
93	124
qcs_api_client.models.checksum_description_type,	qcs_api_client.models.operation, 125
94	qcs_api_client.models.operation_site, 126
qcs_api_client.models.client_application,	qcs_api_client.models.parameter, 127
94	qcs_api_client.models.parameter_spec, 127
qcs_api_client.models.client_applications_download_link,	qcs_api_client.models.quantum_processor,
95	128
qcs_api_client.models.create_endpoint_parameters,	qcs_api_client.models.quantum_processor_accessor,
96	129
qcs_api_client.models.create_engagement_request,	qcs_api_client.models.quantum_processor_accessor_type,
97	130
qcs_api_client.models.create_reservation_request,	qcs_api_client.models.remove_group_user_request,
99	131
qcs_api_client.models.dictionary, 100	qcs_api_client.models.reservation, 132
qcs_api_client.models.edge, 101	qcs_api_client.models.restart_endpoint_request,
qcs_api_client.models.endpoint, 102	134
qcs_api_client.models.endpoint_addresses,	qcs_api_client.models.tier, 135
103	qcs_api_client.models.translate_native_quil_to_encrypt,
qcs_api_client.models.engagement_credentials,	136
104	qcs_api_client.models.translate_native_quil_to_encrypt,
qcs_api_client.models.engagement_with_credentials,	137
105	qcs_api_client.models.translate_native_quil_to_encrypt,
qcs_api_client.models.error, 107	139
qcs_api_client.models.family, 108	qcs_api_client.models.user, 139
qcs_api_client.models.find_available_reservation,	qcs_api_client.models.user_credentials,
108	141
qcs_api_client.models.get_quilt_calibrations_response,	qcs_api_client.models.user_credentials_password,
109	141

`qcs_api_client.models.user_profile`, 142
`qcs_api_client.models.validation_error`, 143
`qcs_api_client.models.validation_error_in`, 145
`qcs_api_client.operations`, 196
`qcs_api_client.operations.asyncio`, 196
`qcs_api_client.operations.asyncio_from_dict`, 209
`qcs_api_client.operations.sync`, 218
`qcs_api_client.operations.sync_from_dict`, 229
`qcs_api_client.types`, 238
`qcs_api_client.util`, 237
`qcs_api_client.util.errors`, 237
`qcs_api_client.util.retry`, 237
`qcs_api_client.util.serialization`, 238
`MONTH`(`qcs_api_client.models.billing_price_recurrence_interval.BillingPriceRecurrenceInterval` attribute), 84
`MONTH`(`qcs_api_client.models.BillingPriceRecurrenceInterval` attribute), 160

N

`name` (in module `qcs_api_client.models`), 146
`name` (in module `qcs_api_client.models.check_client_application_request` attribute), 91
`name` (`qcs_api_client.models.billing_product.BillingProduct` attribute), 86, 87
`name` (`qcs_api_client.models.BillingProduct` attribute), 162
`name` (`qcs_api_client.models.Characteristic` attribute), 164
`name` (`qcs_api_client.models.characteristic.Characteristic` attribute), 90
`name` (`qcs_api_client.models.check_client_application_request.CheckClientApplicationRequest` attribute), 91
`name` (`qcs_api_client.models.CheckClientApplicationRequest` attribute), 164, 165
`name` (`qcs_api_client.models.client_application.ClientApplication` attribute), 94, 95
`name` (`qcs_api_client.models.ClientApplication` attribute), 166, 167
`name` (`qcs_api_client.models.Group` attribute), 177
`name` (`qcs_api_client.models.group.Group` attribute), 111
`name` (`qcs_api_client.models.instruction_set_architecture.InstructionSetArchitecture` attribute), 113
`name` (`qcs_api_client.models.InstructionSetArchitecture` attribute), 179
`name` (`qcs_api_client.models.Operation` attribute), 184, 185
`name` (`qcs_api_client.models.operation.Operation` attribute), 125, 126
`name` (`qcs_api_client.models.Parameter` attribute), 185
`name` (`qcs_api_client.models.parameter.Parameter` attribute), 127
`new_password` (in module `qcs_api_client.models`), 145
`new_password` (in module `qcs_api_client.models.auth_reset_password_request`), 70
`new_password`(`qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest` attribute), 71
`new_password`(`qcs_api_client.models.auth_reset_password_with_token_request.AuthResetPasswordWithTokenRequest` attribute), 71, 72
`new_password`(`qcs_api_client.models.AuthResetPasswordRequest` attribute), 152
`new_password`(`qcs_api_client.models.AuthResetPasswordWithTokenRequest` attribute), 152
`next_page_token` (in module `qcs_api_client.models`), 148
`next_page_token` (in module `qcs_api_client.models.billing_price_recurrence_interval.BillingPriceRecurrenceInterval` attribute), 123
`next_page_token`(`qcs_api_client.models.find_available_reservations_response.FindAvailableReservationsResponse` attribute), 109
`next_page_token`(`qcs_api_client.models.FindAvailableReservationsResponse` attribute), 176
`next_page_token`(`qcs_api_client.models.list_account_billing_invoice_lines_response.ListAccountBillingInvoiceLinesResponse` attribute), 115
`next_page_token`(`qcs_api_client.models.list_account_billing_invoices_response.ListAccountBillingInvoicesResponse` attribute), 116
`next_page_token`(`qcs_api_client.models.list_endpoints_response.ListEndpointsResponse` attribute), 118
`next_page_token`(`qcs_api_client.models.list_group_users_response.ListGroupUsersResponse` attribute), 119
`next_page_token`(`qcs_api_client.models.list_groups_response.ListGroupsResponse` attribute), 120
`next_page_token`(`qcs_api_client.models.list_quantum_processor_accessors_response.ListQuantumProcessorAccessorsResponse` attribute), 121
`next_page_token`(`qcs_api_client.models.list_quantum_processors_response.ListQuantumProcessorsResponse` attribute), 122
`next_page_token`(`qcs_api_client.models.list_reservations_response.ListReservationsResponse` attribute), 123
`next_page_token`(`qcs_api_client.models.ListAccountBillingInvoiceLinesResponse` attribute), 179
`next_page_token`(`qcs_api_client.models.ListAccountBillingInvoicesResponse` attribute), 180
`next_page_token`(`qcs_api_client.models.ListEndpointsResponse` attribute), 181
`next_page_token`(`qcs_api_client.models.ListGroupsResponse` attribute), 182
`next_page_token`(`qcs_api_client.models.ListGroupUsersResponse` attribute), 181
`next_page_token`(`qcs_api_client.models.ListQuantumProcessorAccessorsResponse` attribute), 182
`next_page_token`(`qcs_api_client.models.ListQuantumProcessorsResponse` attribute), 183
`next_page_token`(`qcs_api_client.models.ListReservationsResponse` attribute), 183

attribute), 183
 Node (class in *qcs_api_client.models*), 183
 Node (class in *qcs_api_client.models.node*), 124
 node_count (*qcs_api_client.models.Operation* attribute), 184, 185
 node_count (*qcs_api_client.models.operation.Operation* attribute), 125, 126
 node_id (*qcs_api_client.models.Node* attribute), 184
 node_id (*qcs_api_client.models.node.Node* attribute), 124
 node_ids (*qcs_api_client.models.Characteristic* attribute), 164
 node_ids (*qcs_api_client.models.characteristic.Characteristic* attribute), 90
 node_ids (*qcs_api_client.models.Edge* attribute), 171
 node_ids (*qcs_api_client.models.edge.Edge* attribute), 101
 node_ids (*qcs_api_client.models.operation_site.OperationSite* attribute), 126
 node_ids (*qcs_api_client.models.OperationSite* attribute), 185
 nodes (*qcs_api_client.models.Architecture* attribute), 151
 nodes (*qcs_api_client.models.architecture.Architecture* attribute), 69
 NomadJobDatacenters (class in *qcs_api_client.models*), 184
 NomadJobDatacenters (class in *qcs_api_client.models.nomad_job_datacenters*), 124
 NONE (*qcs_api_client.models.Family* attribute), 175
 NONE (*qcs_api_client.models.family.Family* attribute), 108
 notes (*qcs_api_client.models.create_reservation_request.CreateReservationRequest* attribute), 99, 100
 notes (*qcs_api_client.models.CreateReservationRequest* attribute), 170
 notes (*qcs_api_client.models.Reservation* attribute), 189
 notes (*qcs_api_client.models.reservation.Reservation* attribute), 133, 134
 num_shots (in module *qcs_api_client.models*), 149
 num_shots (in module *qcs_api_client.models.translate_native_quil_to_encrypted_binary_request*), 136
 num_shots (*qcs_api_client.models.translate_native_quil_to_encrypted_binary_request.TranslateNativeQuilToEncryptedBinaryRequest* attribute), 136, 137
 num_shots (*qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryRequest* attribute), 191
O
 object_ (*qcs_api_client.models.billing_price.BillingPrice* attribute), 80
 object_ (*qcs_api_client.models.billing_product.BillingProduct* attribute), 87
 object_ (*qcs_api_client.models.BillingPrice* attribute), 157, 158
 object_ (*qcs_api_client.models.BillingProduct* attribute), 162
 old_password (*qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest* attribute), 71
 old_password (*qcs_api_client.models.AuthResetPasswordRequest* attribute), 152
 ONE_TIME (*qcs_api_client.models.billing_price_price_type.BillingPricePriceType* attribute), 82
 ONE_TIME (*qcs_api_client.models.BillingPricePriceType* attribute), 159
 OPEN (*qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus* attribute), 79
 OPEN (*qcs_api_client.models.BillingInvoiceStatus* attribute), 156
 Operation (class in *qcs_api_client.models*), 184
 Operation (class in *qcs_api_client.models.operation*), 125
 OperationSite (class in *qcs_api_client.models*), 185
 OperationSite (class in *qcs_api_client.models.operation_site*), 126
 organization (*qcs_api_client.models.user_profile.UserProfile* attribute), 143
 organization (*qcs_api_client.models.UserProfile* attribute), 194
 OXFORD_INSTRUMENTS (*qcs_api_client.models.nomad_job_datacenters.NomadJobDatacenters* attribute), 125
 OXFORD_INSTRUMENTS (*qcs_api_client.models.NomadJobDatacenters* attribute), 184
P
 PAID (*qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus* attribute), 156
 PAID (*qcs_api_client.models.BillingInvoiceStatus* attribute), 156
 Parameter (class in *qcs_api_client.models*), 185
 Parameter (class in *qcs_api_client.models.parameter*), 127
 parameter_values (*qcs_api_client.models.Characteristic* attribute), 164
 parameter_values (*qcs_api_client.models.characteristic.Characteristic* attribute), 184, 185
 parameters (*qcs_api_client.models.Operation* attribute), 125, 126
 parameters (*qcs_api_client.models.operation.Operation* attribute), 125, 126
 ParameterSpec (class in *qcs_api_client.models*), 185
 ParameterSpec (class in *qcs_api_client.models.parameter_spec*), 128
 parsed (*qcs_api_client.types.Response* property), 238
 password (in module *qcs_api_client.models*), 149

password (in module `qcs_api_client.models.user_credentials`), 72, 73
 141
 password (`qcs_api_client.models.user_credentials.UserCredentials` attribute), 141
 password (`qcs_api_client.models.UserCredentials` attribute), 193
 path (`qcs_api_client.models.validation_error.ValidationError` attribute), 144
 PATH (`qcs_api_client.models.validation_error_in.ValidationErrorIn` attribute), 145
 path (`qcs_api_client.models.ValidationError` attribute), 195
 PATH (`qcs_api_client.models.ValidationErrorIn` attribute), 196
 payload (`qcs_api_client.types.File` attribute), 238
 PER_UNIT (`qcs_api_client.models.billing_price_scheme.BillingPriceScheme` attribute), 85
 PER_UNIT (`qcs_api_client.models.BillingPriceScheme` attribute), 161
 period_end (`qcs_api_client.models.billing_invoice.BillingInvoice` attribute), 75
 period_end (`qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice` attribute), 88, 89
 period_end (`qcs_api_client.models.BillingInvoice` attribute), 154
 period_end (`qcs_api_client.models.BillingUpcomingInvoice` attribute), 163
 period_start (`qcs_api_client.models.billing_invoice.BillingInvoice` attribute), 75
 period_start (`qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice` attribute), 88, 89
 period_start (`qcs_api_client.models.BillingInvoice` attribute), 154
 period_start (`qcs_api_client.models.BillingUpcomingInvoice` attribute), 163
 platform (`qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink` attribute), 96
 platform (`qcs_api_client.models.ClientApplicationsDownloadLink` attribute), 167
 post (`qcs_api_client.client.auth.QCSAuthConfiguration` attribute), 58
 post (`qcs_api_client.client.QCSAuthConfiguration` attribute), 61
 post_refresh_statuses
 (`qcs_api_client.client.auth.QCSAuthConfiguration` attribute), 59
 post_refresh_statuses
 (`qcs_api_client.client.QCSAuthConfiguration` attribute), 61
 pre (`qcs_api_client.client.auth.QCSAuthConfiguration` attribute), 58
 pre (`qcs_api_client.client.QCSAuthConfiguration` attribute), 61
 price (`qcs_api_client.models.available_reservation.AvailableReservation` attribute), 72, 73
 price (`qcs_api_client.models.AvailableReservation` attribute), 153
 price (`qcs_api_client.models.billing_invoice_line.BillingInvoiceLine` attribute), 76
 PRICE (`qcs_api_client.models.billing_price_object.BillingPriceObject` attribute), 81
 price (`qcs_api_client.models.BillingInvoiceLine` attribute), 155
 PRICE (`qcs_api_client.models.BillingPriceObject` attribute), 159
 price (`qcs_api_client.models.Reservation` attribute), 188, 189
 price (`qcs_api_client.models.reservation.Reservation` attribute), 133
 price_type (`qcs_api_client.models.billing_price.BillingPrice` attribute), 80
 price_type (`qcs_api_client.models.BillingPrice` attribute), 157, 158
 product (`qcs_api_client.models.billing_price.BillingPrice` attribute), 80
 PRODUCT (`qcs_api_client.models.billing_product_object.BillingProductObject` attribute), 88
 product (`qcs_api_client.models.BillingPrice` attribute), 157, 158
 PRODUCT (`qcs_api_client.models.BillingProductObject` attribute), 162
 profile (`qcs_api_client.client.QCSClientConfiguration` property), 62
 profile (`qcs_api_client.models.user.User` attribute), 193
 profile (`qcs_api_client.models.user.User` attribute), 140
 profile_name (`qcs_api_client.client.QCSClientConfiguration` attribute), 61
 profiles (`qcs_api_client.client.QCSClientConfigurationSettings` attribute), 61
 program (in module `qcs_api_client.models`), 149
 program (in module `qcs_api_client.models.translate_native_quil_to_encrypted_binary` attribute), 137
 program (`qcs_api_client.models.translate_native_quil_to_encrypted_binary` attribute), 138
 program (`qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryResponse` attribute), 192
 pyquil (`qcs_api_client.client.QCSClientConfigurationSettingsApplications` attribute), 65

Q

qcs_api_client
 module, 5
 qcs_api_client.api
 module, 5
 qcs_api_client.api.account
 module, 5
 qcs_api_client.api.account.add_group_user

module, 5	module, 32
qcs_api_client.api.account.get_group_balance	qcs_api_client.api.endpoints
module, 6	module, 32
qcs_api_client.api.account.get_group_billing_customer	qcs_api_client.api.endpoints.create_endpoint
module, 7	module, 32
qcs_api_client.api.account.get_group_upcoming_bidding_invoice	qcs_api_client.api.endpoints.delete_endpoint
module, 8	module, 34
qcs_api_client.api.account.get_user_balance	qcs_api_client.api.endpoints.get_default_endpoint
module, 9	module, 35
qcs_api_client.api.account.get_user_billing_customer	qcs_api_client.api.endpoints.get_endpoint
module, 10	module, 36
qcs_api_client.api.account.get_user_upcoming_bidding_invoice	qcs_api_client.api.endpoints.list_endpoints
module, 11	module, 37
qcs_api_client.api.account.list_group_billing_invoices	qcs_api_client.api.endpoints.restart_endpoint
module, 12	module, 38
qcs_api_client.api.account.list_group_billing_invoices	qcs_api_client.api.engagements
module, 14	module, 40
qcs_api_client.api.account.list_group_upcoming_billing_line_items	qcs_api_client.api.engagements.create_engagement
module, 15	module, 40
qcs_api_client.api.account.list_group_users	qcs_api_client.api.quantum_processors
module, 16	module, 41
qcs_api_client.api.account.list_user_billing_invoices	qcs_api_client.api.quantum_processors.get_instruction_set
module, 17	module, 41
qcs_api_client.api.account.list_user_billing_invoices	qcs_api_client.api.quantum_processors.get_quantum_processors
module, 18	module, 43
qcs_api_client.api.account.list_user_groups	qcs_api_client.api.quantum_processors.list_quantum_processors
module, 19	module, 44
qcs_api_client.api.account.list_user_upcoming_bidding_invoice	qcs_api_client.api.quantum_processors.list_quantum_processors
module, 20	module, 46
qcs_api_client.api.account.remove_group_user	qcs_api_client.api.reservations
module, 21	module, 48
qcs_api_client.api.authentication	qcs_api_client.api.reservations.create_reservation
module, 22	module, 48
qcs_api_client.api.authentication.auth_email_password_reset_token	qcs_api_client.api.reservations.delete_reservation
module, 22	module, 49
qcs_api_client.api.authentication.auth_get_user	qcs_api_client.api.reservations.find_available_reservation
module, 24	module, 50
qcs_api_client.api.authentication.auth_reset_password	qcs_api_client.api.reservations.list_group_reservations
module, 25	module, 52
qcs_api_client.api.authentication.auth_reset_password_token	qcs_api_client.api.reservations.list_reservations
module, 26	module, 54
qcs_api_client.api.client_applications	qcs_api_client.api.translation
module, 27	module, 55
qcs_api_client.api.client_applications.check_client_application	qcs_api_client.api.translation.get_quilt_calibrations
module, 27	module, 55
qcs_api_client.api.client_applications.get_client_application	qcs_api_client.api.translation.translate_native_quil_to_er
module, 28	module, 56
qcs_api_client.api.client_applications.list_client_applications	qcs_api_client.client
module, 30	module, 58
qcs_api_client.api.default	qcs_api_client.client.auth
module, 31	module, 58
qcs_api_client.api.default.get_health	qcs_api_client.client.client
module, 31	module, 59
qcs_api_client.api.default.health_check	qcs_api_client.models

module, 66	module, 89
qcs_api_client.models.account_balance	qcs_api_client.models.check_client_application_request
module, 66	module, 91
qcs_api_client.models.account_type	qcs_api_client.models.check_client_application_response
module, 67	module, 92
qcs_api_client.models.add_group_user_request	qcs_api_client.models.checksum_description
module, 67	module, 93
qcs_api_client.models.architecture	qcs_api_client.models.checksum_description_type
module, 68	module, 94
qcs_api_client.models.auth_email_password_reset	qcs_api_client.models.client_application
module, 69	module, 94
qcs_api_client.models.auth_reset_password_request	qcs_api_client.models.client_applications_download_link
module, 70	module, 95
qcs_api_client.models.auth_reset_password_with_token_request	qcs_api_client.models.create_endpoint_parameters
module, 71	module, 96
qcs_api_client.models.available_reservation	qcs_api_client.models.create_engagement_request
module, 72	module, 97
qcs_api_client.models.billing_customer	qcs_api_client.models.create_reservation_request
module, 73	module, 99
qcs_api_client.models.billing_invoice	qcs_api_client.models.dictionary
module, 74	module, 100
qcs_api_client.models.billing_invoice_line	qcs_api_client.models.edge
module, 76	module, 101
qcs_api_client.models.billing_invoice_line_line_item_type	qcs_api_client.models.endpoint
module, 77	module, 102
qcs_api_client.models.billing_invoice_line_metadata	qcs_api_client.models.endpoint_addresses
module, 78	module, 103
qcs_api_client.models.billing_invoice_status	qcs_api_client.models.engagement_credentials
module, 78	module, 104
qcs_api_client.models.billing_price	qcs_api_client.models.engagement_with_credentials
module, 79	module, 105
qcs_api_client.models.billing_price_object	qcs_api_client.models.error
module, 81	module, 107
qcs_api_client.models.billing_price_price_type	qcs_api_client.models.family
module, 82	module, 108
qcs_api_client.models.billing_price_recurrence	qcs_api_client.models.find_available_reservations_response
module, 82	module, 108
qcs_api_client.models.billing_price_recurrence_scheme_message	qcs_api_client.models.get_quilt_calibrations_response
module, 83	module, 109
qcs_api_client.models.billing_price_recurrence_scheme	qcs_api_client.models.group
module, 84	module, 110
qcs_api_client.models.billing_price_recurrence_scheme_type	qcs_api_client.models.health
module, 84	module, 112
qcs_api_client.models.billing_price_scheme	qcs_api_client.models.instruction_set_architecture
module, 85	module, 112
qcs_api_client.models.billing_price_tiers_model	qcs_api_client.models.invite_user_request
module, 86	module, 114
qcs_api_client.models.billing_product	qcs_api_client.models.list_account_billing_invoice_lines_response
module, 86	module, 115
qcs_api_client.models.billing_product_object	qcs_api_client.models.list_account_billing_invoices_response
module, 87	module, 116
qcs_api_client.models.billing_upcoming_invoice	qcs_api_client.models.list_client_applications_response
module, 88	module, 117
qcs_api_client.models.characteristic	qcs_api_client.models.list_endpoints_response

module, 118	module, 145
qcs_api_client.models.list_group_users_response	qcs_api_client.operations
module, 119	module, 196
qcs_api_client.models.list_groups_response	qcs_api_client.operations.asyncio
module, 120	module, 196
qcs_api_client.models.list_quantum_processor_accessors_response	qcs_api_client.operations.asyncio_from_dict
module, 121	module, 209
qcs_api_client.models.list_quantum_processors_response	qcs_api_client.operations.sync
module, 122	module, 218
qcs_api_client.models.list_reservations_response	qcs_api_client.operations.sync_from_dict
module, 123	module, 229
qcs_api_client.models.node	qcs_api_client.types
module, 124	module, 238
qcs_api_client.models.nomad_job_datacenters	qcs_api_client.util
module, 124	module, 237
qcs_api_client.models.operation	qcs_api_client.util.errors
module, 125	module, 237
qcs_api_client.models.operation_site	qcs_api_client.util.retry
module, 126	module, 237
qcs_api_client.models.parameter	qcs_api_client.util.serialization
module, 127	module, 238
qcs_api_client.models.parameter_spec	QCSAccountType (class in qcs_api_client.client), 64
module, 127	QCSAuth (class in qcs_api_client.client), 60
qcs_api_client.models.quantum_processor	QCSAuth (class in qcs_api_client.client.auth), 59
module, 128	QCSAuthConfiguration (class in
qcs_api_client.models.quantum_processor_accessor	qcs_api_client.client), 61
module, 129	QCSAuthConfiguration (class in
qcs_api_client.models.quantum_processor_accessor_type	qcs_api_client.client.auth), 58
module, 130	QCSAuthRefreshError, 59, 61
qcs_api_client.models.remove_group_user_request	QCSAuthServer (class in qcs_api_client.client), 64
module, 131	QCSAuthServer.Config (class in
qcs_api_client.models.reservation	qcs_api_client.client), 64
module, 132	QCSClientConfiguration (class in
qcs_api_client.models.restart_endpoint_request	qcs_api_client.client), 61
module, 134	QCSClientConfigurationError, 63
qcs_api_client.models.tier	QCSClientConfigurationSecrets (class in
module, 135	qcs_api_client.client), 63
qcs_api_client.models.translate_native_quil_to_qcs_client_configuration_request	QCSClientConfigurationSecretsCredentials
module, 136	(class in qcs_api_client.client), 63
qcs_api_client.models.translate_native_quil_to_qcs_client_configuration_response	QCSClientConfigurationSettings (class in
module, 137	qcs_api_client.client), 64
qcs_api_client.models.translate_native_quil_to_qcs_client_configuration_response_metadata	QCSClientConfigurationSettingsMetadata
module, 139	(class in qcs_api_client.client), 65
qcs_api_client.models.user	QCSClientConfigurationSettingsApplicationsCLI
module, 139	(class in qcs_api_client.client), 65
qcs_api_client.models.user_credentials	QCSClientConfigurationSettingsApplicationsCLI.Config
module, 141	(class in qcs_api_client.client), 65
qcs_api_client.models.user_credentials_password	QCSClientConfigurationSettingsProfile (class in
module, 141	qcs_api_client.client), 64
qcs_api_client.models.user_profile	QCSClientConfigurationSettingsProfile.Config
module, 142	(class in qcs_api_client.client), 65
qcs_api_client.models.validation_error	QCSHTTPStatusError (class in
module, 143	qcs_api_client.util.errors), 237
qcs_api_client.models.validation_error_in	

quantity (*qcs_api_client.models.billing_invoice_line.BillingInvoiceLine* attribute), 182, 183
 quantity (*qcs_api_client.models.BillingInvoiceLine* attribute), 155
 quantum_processor_id (*qcs_api_client.models.available_reservation.AvailableReservation* attribute), 73
 quantum_processor_id (*qcs_api_client.models.AvailableReservation* attribute), 153
 quantum_processor_id (*qcs_api_client.models.create_engagement_request.CreateEngagementRequest* attribute), 98
 quantum_processor_id (*qcs_api_client.models.create_reservation_request.CreateReservationRequest* attribute), 99
 quantum_processor_id (*qcs_api_client.models.CreateEngagementRequest* attribute), 169
 quantum_processor_id (*qcs_api_client.models.CreateReservationRequest* attribute), 169, 170
 quantum_processor_id (*qcs_api_client.models.Reservation* attribute), 189
 quantum_processor_id (*qcs_api_client.models.reservation.Reservation* attribute), 133
 quantum_processor_ids (*qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters* attribute), 97
 quantum_processor_ids (*qcs_api_client.models.CreateEndpointParameters* attribute), 168
 quantum_processor_ids (*qcs_api_client.models.Endpoint* attribute), 171, 172
 quantum_processor_ids (*qcs_api_client.models.endpoint.Endpoint* attribute), 102, 103
 quantum_processor_ids (*qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials* attribute), 106
 quantum_processor_ids (*qcs_api_client.models.EngagementWithCredentials* attribute), 174
 quantum_processors (in module *qcs_api_client.models*), 148
 quantum_processors (in module *qcs_api_client.models.list_quantum_processors_response.ListQuantumProcessorsResponse* attribute), 122
 quantum_processors (*qcs_api_client.models.list_quantum_processors_response.ListQuantumProcessorsResponse* attribute), 122
 quantum_processors (*qcs_api_client.models.ListQuantumProcessorsResponse* attribute), 122
 QuantumProcessor (class in *qcs_api_client.models*), 186
 QuantumProcessor (class in *qcs_api_client.models.quantum_processor*), 128
 QuantumProcessor (class in *qcs_api_client.models*), 186
 QuantumProcessorAccessor (class in *qcs_api_client.models*), 186
 QuantumProcessorAccessor (class in *qcs_api_client.models.quantum_processor_accessor*), 129
 QuantumProcessorAccessorType (class in *qcs_api_client.models*), 187
 QuantumProcessorAccessorType (class in *qcs_api_client.models.quantum_processor_accessor_type*), 130
 QUERY (*qcs_api_client.models.validation_error_in.ValidationErrorMessageIn* attribute), 145
 QUERY (*qcs_api_client.models.ValidationErrorMessageIn* attribute), 196
 quil (*qcs_api_client.models.translate_native_quil_to_encrypted_binary_request.TranslateNativeQuilToEncryptedBinaryRequest* attribute), 137
 quil (*qcs_api_client.models.TranslateNativeQuilToEncryptedBinaryRequest* attribute), 191
 quilt (in module *qcs_api_client.models*), 147
 quilt (in module *qcs_api_client.models.get_quilt_calibrations_response*), 109
 quilt (*qcs_api_client.models.get_quilt_calibrations_response.GetQuiltCalibrationsResponse* attribute), 110
 quil_create_endpoint_parameters (*qcs_api_client.models.GetQuiltCalibrationsResponse* attribute), 176
R
 raise_for_status() (in module *qcs_api_client.util.errors*), 237
 rank (*qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessor* attribute), 130
 rank (*qcs_api_client.models.QuantumProcessorAccessor* attribute), 187
 recurring (*qcs_api_client.models.billing_price.BillingPrice* attribute), 80
 RECURRING (*qcs_api_client.models.billing_price_price_type.BillingPricePriceType* attribute), 82
 recurring (*qcs_api_client.models.BillingPrice* attribute), 157, 158
 RECURRING (*qcs_api_client.models.BillingPricePriceType* attribute), 159
 refresh_token (*qcs_api_client.client.QCSCClientConfigurationSecretsCreation* property), 63
 refresh_token (*qcs_api_client.client.TokenPayload* attribute), 63
 remove_group_user() (in module *qcs_api_client.operations.asyncio*), 200

remove_group_user() (in module `qcs_api_client.operations.asyncio_from_dict`), 213
 remove_group_user() (in module `qcs_api_client.operations.sync`), 222
 remove_group_user() (in module `qcs_api_client.operations.sync_from_dict`), 233
 RemoveGroupUserRequest (class in `qcs_api_client.models`), 187
 RemoveGroupUserRequest (class in `qcs_api_client.models.remove_group_user_request`), 131
 request_id (`qcs_api_client.models.Error` attribute), 175
 request_id (`qcs_api_client.models.error.Error` attribute), 107
 Reservation (class in `qcs_api_client.models`), 188
 Reservation (class in `qcs_api_client.models.reservation`), 132
 reservations (`qcs_api_client.models.list_reservations_response` attribute), 123
 reservations (`qcs_api_client.models.ListReservationsResponse` attribute), 183
 Response (class in `qcs_api_client.types`), 238
 restart_endpoint() (in module `qcs_api_client.operations.asyncio`), 204
 restart_endpoint() (in module `qcs_api_client.operations.asyncio_from_dict`), 215
 restart_endpoint() (in module `qcs_api_client.operations.sync`), 225
 restart_endpoint() (in module `qcs_api_client.operations.sync_from_dict`), 235
 RestartEndpointRequest (class in `qcs_api_client.models`), 190
 RestartEndpointRequest (class in `qcs_api_client.models.restart_endpoint_request`), 134
 ro_sources (`qcs_api_client.models.translate_native_quil_to_encryption_key_response` attribute), 138
 ro_sources (`qcs_api_client.models.TranslateNativeQuilToEncryptionKeyResponse` attribute), 192
 rpcq (`qcs_api_client.models.endpoint_addresses.EndpointAddresses` attribute), 103, 104
 rpcq (`qcs_api_client.models.EndpointAddresses` attribute), 172
 secrets (`qcs_api_client.client.QCSClientConfiguration` attribute), 62
 server_public (`qcs_api_client.models.engagement_credentials.EngagementCredentials` attribute), 104
 server_public (`qcs_api_client.models.EngagementCredentials` attribute), 173
 settings (`qcs_api_client.client.QCSClientConfiguration` attribute), 62
 settings_timestamp (`qcs_api_client.models.get_quilt_calibrations_response` attribute), 110
 settings_timestamp (`qcs_api_client.models.GetQuiltCalibrationsResponse` attribute), 176
 settings_timestamp (`qcs_api_client.models.translate_native_quil_to_encryption_key_response` attribute), 137
 settings_timestamp (`qcs_api_client.models.translate_native_quil_to_encryption_key_response` attribute), 138
 settings_timestamp (`qcs_api_client.models.TranslateNativeQuilToEncryptionKeyResponse` attribute), 191
 settings_timestamp (`qcs_api_client.models.TranslateNativeQuilToEncryptionKeyResponse` attribute), 192
 should_refresh_token (`qcs_api_client.client.TokenPayload` attribute), 64
 sites (`qcs_api_client.models.operation.Operation` attribute), 184, 185
 sites (`qcs_api_client.models.operation.Operation` attribute), 125, 126
 start_time (`qcs_api_client.models.available_reservation.AvailableReservation` attribute), 73
 start_time (`qcs_api_client.models.AvailableReservation` attribute), 153
 start_time (`qcs_api_client.models.create_reservation_request.CreateReservationRequest` attribute), 99, 100
 start_time (`qcs_api_client.models.CreateReservationRequest` attribute), 169, 170
 start_time (`qcs_api_client.models.Reservation` attribute), 189
 start_time (`qcs_api_client.models.reservation.Reservation` attribute), 133
 starting_balance (`qcs_api_client.models.billing_invoice.BillingInvoice` attribute), 75
 starting_balance (`qcs_api_client.models.billing_invoice.BillingInvoice` attribute), 88, 89
 starting_balance (`qcs_api_client.models.BillingInvoice` attribute), 154
 starting_balance (`qcs_api_client.models.BillingUpcomingInvoice` attribute), 163
 status (in module `qcs_api_client.models`), 147
 status (in module `qcs_api_client.models.health`), 112
 status (`qcs_api_client.models.billing_invoice.BillingInvoice` attribute), 75
 status (`qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice` attribute), 88, 89
 status (`qcs_api_client.models.BillingInvoice` attribute), 154

S

scope (`qcs_api_client.client.TokenPayload` attribute), 63
 scopes() (`qcs_api_client.client.QCSAuthServer` static method), 64

status (qcs_api_client.models.BillingUpcomingInvoice attribute), 163	sync() (in module qcs_api_client.api.account.list_group_users), 16
status (qcs_api_client.models.Health attribute), 177, 178	sync() (in module qcs_api_client.api.account.list_user_billing_invoice_line), 17
status (qcs_api_client.models.health.Health attribute), 112	sync() (in module qcs_api_client.api.account.list_user_billing_invoices), 18
subscription (qcs_api_client.models.billing_invoice_line.BillingInvoiceLine attribute), 77	sync() (in module qcs_api_client.api.account.list_user_groups), 19
SUBSCRIPTION (qcs_api_client.models.billing_invoice_line.BillingInvoiceLine attribute), 77	sync() (in module qcs_api_client.api.account.list_user_upcoming_billing_invoices), 20
subscription (qcs_api_client.models.BillingInvoiceLine attribute), 155	sync() (in module qcs_api_client.api.account.remove_group_user), 21
SUBSCRIPTION (qcs_api_client.models.BillingInvoiceLine attribute), 156	sync() (in module qcs_api_client.api.authentication.auth_email_password_login), 22
subscription_item (qcs_api_client.models.billing_invoice_line.BillingInvoiceLine attribute), 77	sync() (in module qcs_api_client.api.authentication.auth_get_user), 24
subscription_item (qcs_api_client.models.BillingInvoiceLine attribute), 155	sync() (in module qcs_api_client.api.authentication.auth_reset_password), 25
subtotal (qcs_api_client.models.billing_invoice.BillingInvoice attribute), 75	sync() (in module qcs_api_client.api.authentication.auth_reset_password), 26
subtotal (qcs_api_client.models.billing_upcoming_invoices.BillingUpcomingInvoice attribute), 88, 89	sync() (in module qcs_api_client.api.client_applications.check_client_application), 27
subtotal (qcs_api_client.models.BillingInvoice attribute), 154	sync() (in module qcs_api_client.api.client_applications.get_client_application), 28
subtotal (qcs_api_client.models.BillingUpcomingInvoice attribute), 163	sync() (in module qcs_api_client.api.client_applications.list_client_applications), 30
SUM (qcs_api_client.models.billing_price_recurrence_aggregates.BillingPriceRecurrenceAggregates attribute), 84	sync() (in module qcs_api_client.api.default.health_check), 31
SUM (qcs_api_client.models.BillingPriceRecurrenceAggregates attribute), 160	sync() (in module qcs_api_client.api.default.health_check), 32
supported (qcs_api_client.models.client_application.ClientApplication attribute), 95	sync() (in module qcs_api_client.api.endpoints.create_endpoint), 33
supported (qcs_api_client.models.ClientApplication attribute), 166, 167	sync() (in module qcs_api_client.api.endpoints.delete_endpoint), 34
sync() (in module qcs_api_client.api.account.add_group_user), 5	sync() (in module qcs_api_client.api.endpoints.get_default_endpoint), 35
sync() (in module qcs_api_client.api.account.get_group_balance), 6	sync() (in module qcs_api_client.api.endpoints.get_endpoint), 36
sync() (in module qcs_api_client.api.account.get_group_billing_invoices), 7	sync() (in module qcs_api_client.api.endpoints.list_endpoints), 37
sync() (in module qcs_api_client.api.account.get_group_upcoming_invoices), 8	sync() (in module qcs_api_client.api.endpoints.restart_endpoint), 38
sync() (in module qcs_api_client.api.account.get_user_balance), 9	sync() (in module qcs_api_client.api.engagements.create_engagement), 40
sync() (in module qcs_api_client.api.account.get_user_billing_invoices), 10	sync() (in module qcs_api_client.api.quantum_processors.get_instruction), 41
sync() (in module qcs_api_client.api.account.get_user_upcoming_invoices), 11	sync() (in module qcs_api_client.api.quantum_processors.get_quantum_processor), 43
sync() (in module qcs_api_client.api.account.list_group_billing_invoices), 12	sync() (in module qcs_api_client.api.quantum_processors.list_quantum_processors), 44
sync() (in module qcs_api_client.api.account.list_group_billing_invoices), 14	sync() (in module qcs_api_client.api.quantum_processors.list_quantum_processors), 46
sync() (in module qcs_api_client.api.account.list_group_upcoming_invoices), 15	sync() (in module qcs_api_client.api.reservations.create_reservation), 48

```

sync() (in module qcs_api_client.api.reservations.delete_reservation, 49)
sync() (in module qcs_api_client.api.reservations.find_available_reservations, 50)
sync() (in module qcs_api_client.api.reservations.list_group_reservations, 52)
sync() (in module qcs_api_client.api.reservations.list_reservations, 54)
sync() (in module qcs_api_client.api.translation.get_quilt_calibration, 55)
sync() (in module qcs_api_client.api.translation.translate_native_quilt_to_api_client_authentication, 57)
sync_auth_flow() (qcs_api_client.client.auth.QCSAuth method), 59
sync_auth_flow() (qcs_api_client.client.QCSAuth method), 61
sync_from_dict() (in module qcs_api_client.api.account.add_group_user), 6
sync_from_dict() (in module qcs_api_client.api.account.get_group_balance), 7
sync_from_dict() (in module qcs_api_client.api.account.get_group_billing_customer), 7
sync_from_dict() (in module qcs_api_client.api.account.get_group_upcoming_billing_invoice), 8
sync_from_dict() (in module qcs_api_client.api.account.get_user_balance), 10
sync_from_dict() (in module qcs_api_client.api.account.get_user_billing_customer), 10
sync_from_dict() (in module qcs_api_client.api.account.get_user_upcoming_billing_invoice), 11
sync_from_dict() (in module qcs_api_client.api.account.list_group_billing_invoice_lines), 13
sync_from_dict() (in module qcs_api_client.api.account.list_group_billing_invoices), 14
sync_from_dict() (in module qcs_api_client.api.account.list_group_upcoming_billing_invoice_lines), 15
sync_from_dict() (in module qcs_api_client.api.account.list_group_users), 16
sync_from_dict() (in module qcs_api_client.api.account.list_user_billing_invoices), 17
sync_from_dict() (in module qcs_api_client.api.account.list_user_billing_invoices), 18
sync_from_dict() (in module qcs_api_client.api.account.list_user_groups), 19
sync_from_dict() (in module qcs_api_client.api.account.list_user_upcoming_billing_invoice_lines), 20
sync_from_dict() (in module qcs_api_client.api.account.remove_group_user), 21
sync_from_dict() (in module qcs_api_client.api.authentication.auth_email_password_reset_token), 23
sync_from_dict() (in module qcs_api_client.api.authentication.auth_get_user), 24
sync_from_dict() (in module qcs_api_client.api.authentication.auth_reset_password), 25
sync_from_dict() (in module qcs_api_client.api.authentication.auth_reset_password_with_token), 26
sync_from_dict() (in module qcs_api_client.api.client_applications.check_client_application), 27
sync_from_dict() (in module qcs_api_client.api.client_applications.get_client_application), 29
sync_from_dict() (in module qcs_api_client.api.client_applications.list_client_applications), 30
sync_from_dict() (in module qcs_api_client.api.default.get_health), 31
sync_from_dict() (in module qcs_api_client.api.default.health_check), 32
sync_from_dict() (in module qcs_api_client.api.endpoints.create_endpoint), 33
sync_from_dict() (in module qcs_api_client.api.endpoints.delete_endpoint), 34
sync_from_dict() (in module qcs_api_client.api.endpoints.get_default_endpoint), 35
sync_from_dict() (in module qcs_api_client.api.endpoints.get_endpoint), 36
sync_from_dict() (in module qcs_api_client.api.endpoints.list_endpoints), 37
sync_from_dict() (in module qcs_api_client.api.endpoints.restart_endpoint), 39
sync_from_dict() (in module qcs_api_client.api.engagements.create_engagement), 40

```

40		T (in module qcs_api_client.models.billing_customer), 74
sync_from_dict()	(in module qcs_api_client.models.billing_invoice), 75	
qcs_api_client.api.quantum_processors.get_instruction_metadata(client.models.billing_invoice_line),		
41		76
sync_from_dict()	(in module qcs_api_client.models.billing_invoice_line_metadata),	
qcs_api_client.api.quantum_processors.get_quantum_processor(),		
43		T (in module qcs_api_client.models.billing_price), 79
sync_from_dict()	(in module qcs_api_client.models.billing_price_recurrence),	
qcs_api_client.api.quantum_processors.list_quantum_processor_accessors(),		
44		T (in module qcs_api_client.models.billing_product), 86
sync_from_dict()	(in module qcs_api_client.models.billing_upcoming_invoice),	
qcs_api_client.api.quantum_processors.list_quantum_processors(),		
47		T (in module qcs_api_client.models.characteristic), 89
sync_from_dict()	(in module qcs_api_client.models.check_client_application_request),	
qcs_api_client.api.reservations.create_reservation(),		91
49		T (in module qcs_api_client.models.check_client_application_response),
sync_from_dict()	(in module qcs_api_client.models.checksum_description),	
qcs_api_client.api.reservations.delete_reservation(),		92
50		93
sync_from_dict()	(in module qcs_api_client.models.client_application),	
qcs_api_client.api.reservations.find_available_reservations(),		94
51		T (in module qcs_api_client.models.client_applications_download_link),
sync_from_dict()	(in module qcs_api_client.models.create_endpoint_parameters),	
qcs_api_client.api.reservations.list_group_reservations(),		96
53		97
sync_from_dict()	(in module qcs_api_client.models.create_engagement_request),	
qcs_api_client.api.reservations.list_reservations(),		98
54		T (in module qcs_api_client.models.create_reservation_request),
sync_from_dict()	(in module qcs_api_client.models.dictionary), 100	
qcs_api_client.api.translation.get_quilt_calibrations(),		
56		T (in module qcs_api_client.models.edge), 101
sync_from_dict()	(in module qcs_api_client.models.endpoint), 102	
qcs_api_client.api.translation.translate_native_quilt_to_native_qcs_hiring(),		
57		103
sync_refresh_token()	T (in module qcs_api_client.models.engagement_credentials),	
(qcs_api_client.client.auth.QCSAuth method),		104
59		T (in module qcs_api_client.models.engagement_with_credentials),
sync_refresh_token()		105
(qcs_api_client.client.QCSAuth method),		
60		T (in module qcs_api_client.models.error), 107
		T (in module qcs_api_client.models.find_available_reservations_response),
		109
T		T (in module qcs_api_client.models.get_quilt_calibrations_response),
T (in module qcs_api_client.models.account_balance), 66		110
T (in module qcs_api_client.models.add_group_user_request),		(in module qcs_api_client.models.group), 111
67		T (in module qcs_api_client.models.health), 112
T (in module qcs_api_client.models.architecture), 68		T (in module qcs_api_client.models.instruction_set_architecture),
T (in module qcs_api_client.models.auth_email_password_reset_token_request),		
70		T (in module qcs_api_client.models.invite_user_request),
T (in module qcs_api_client.models.auth_reset_password_request),		114
70		T (in module qcs_api_client.models.list_account_billing_invoice_lines_response),
T (in module qcs_api_client.models.auth_reset_password_with_token_request),		
71		T (in module qcs_api_client.models.list_account_billing_invoices_response),
T (in module qcs_api_client.models.available_reservation),		116
72		T (in module qcs_api_client.models.list_client_applications_response),

117	<code>tax</code> (<code>qcs_api_client.models.BillingInvoice</code> attribute), 154
T (in module <code>qcs_api_client.models.list_endpoints_response</code>), 118	<code>tax</code> (<code>qcs_api_client.models.BillingUpcomingInvoice</code> attribute), 163
T (in module <code>qcs_api_client.models.list_group_users_response</code>), 119	<code>Tier</code> (class in <code>qcs_api_client.models</code>), 190
T (in module <code>qcs_api_client.models.list_groups_response</code>), 120	<code>Tier</code> (class in <code>qcs_api_client.models.tier</code>), 135
T (in module <code>qcs_api_client.models.list_quantum_processor_accessors_response</code>), 121	<code>TIERED</code> (<code>qcs_api_client.models.billing_price_scheme.BillingPriceScheme</code> attribute), 85
T (in module <code>qcs_api_client.models.list_quantum_processors_response</code>), 122	<code>TIERED</code> (<code>qcs_api_client.models.BillingPriceScheme</code> attribute), 161
T (in module <code>qcs_api_client.models.list_reservations_response</code>), 123	<code>tiers</code> (<code>qcs_api_client.models.billing_price.BillingPrice</code> attribute), 80
T (in module <code>qcs_api_client.models.node</code>), 124	<code>tiers</code> (<code>qcs_api_client.models.BillingPrice</code> attribute), 157, 158
T (in module <code>qcs_api_client.models.operation</code>), 125	<code>tiers_mode</code> (<code>qcs_api_client.models.billing_price.BillingPrice</code> attribute), 80, 81
T (in module <code>qcs_api_client.models.operation_site</code>), 126	<code>tiers_mode</code> (<code>qcs_api_client.models.BillingPrice</code> attribute), 157, 158
T (in module <code>qcs_api_client.models.parameter</code>), 127	<code>timestamp</code> (<code>qcs_api_client.models.Characteristic</code> attribute), 164
T (in module <code>qcs_api_client.models.parameter_spec</code>), 128	<code>timestamp</code> (<code>qcs_api_client.models.characteristic.Characteristic</code> attribute), 90
T (in module <code>qcs_api_client.models.quantum_processor</code>), 128	<code>to_dict()</code> (<code>qcs_api_client.models.account_balance.AccountBalance</code> method), 66
T (in module <code>qcs_api_client.models.quantum_processor_accessor</code>), 129	<code>to_dict()</code> (<code>qcs_api_client.models.AccountBalance</code> method), 149
T (in module <code>qcs_api_client.models.remove_group_user_request</code>), 131	<code>to_dict()</code> (<code>qcs_api_client.models.add_group_user_request.AddGroupUserRequest</code> method), 68
T (in module <code>qcs_api_client.models.reservation</code>), 132	<code>to_dict()</code> (<code>qcs_api_client.models.AddGroupUserRequest</code> method), 150
T (in module <code>qcs_api_client.models.restart_endpoint_request</code>), 134	<code>to_dict()</code> (<code>qcs_api_client.models.Architecture</code> method), 150
T (in module <code>qcs_api_client.models.tier</code>), 135	<code>to_dict()</code> (<code>qcs_api_client.models.Architecture</code> method), 150
T (in module <code>qcs_api_client.models.translate_native_quil_to_encrypted_native_quil_request</code>), 136	<code>to_dict()</code> (<code>qcs_api_client.models.response_memory_descriptors</code> method), 70
T (in module <code>qcs_api_client.models.translate_native_quil_to_encrypted_native_quil_response</code>), 138	<code>to_dict()</code> (<code>qcs_api_client.models.auth_email_password_reset_token_request.AuthEmailPasswordResetTokenRequest</code> method), 71
T (in module <code>qcs_api_client.models.translate_native_quil_to_encrypted_native_quil_response_memory_descriptors</code>), 139	<code>to_dict()</code> (<code>qcs_api_client.models.auth_reset_password_request.AuthResetPasswordRequest</code> method), 71
T (in module <code>qcs_api_client.models.user</code>), 140	<code>to_dict()</code> (<code>qcs_api_client.models.auth_reset_password_with_token_request.AuthResetPasswordWithTokenRequest</code> method), 72
T (in module <code>qcs_api_client.models.user_credentials</code>), 141	<code>to_dict()</code> (<code>qcs_api_client.models.AuthEmailPasswordResetTokenRequest</code> method), 151
T (in module <code>qcs_api_client.models.user_credentials_password_reset_token_request</code>), 142	<code>to_dict()</code> (<code>qcs_api_client.models.AuthResetPasswordRequest</code> method), 152
T (in module <code>qcs_api_client.models.user_profile</code>), 143	<code>to_dict()</code> (<code>qcs_api_client.models.AuthResetPasswordWithTokenRequest</code> method), 152
T (in module <code>qcs_api_client.models.validation_error</code>), 144	<code>to_dict()</code> (<code>qcs_api_client.models.AvailableReservation</code> method), 153
<code>tags</code> (<code>qcs_api_client.models.create_engagement_request.CreateEngagementRequest</code> attribute), 98	<code>to_dict()</code> (<code>qcs_api_client.models.billing_customer.BillingCustomer</code> method), 74
<code>tags</code> (<code>qcs_api_client.models.CreateEngagementRequest</code> attribute), 169	<code>to_dict()</code> (<code>qcs_api_client.models.billing_invoice.BillingInvoice</code> method), 75
<code>tags</code> (<code>qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials</code> attribute), 106	<code>to_dict()</code> (<code>qcs_api_client.models.billing_invoice_line.BillingInvoiceLine</code> method), 75
<code>tags</code> (<code>qcs_api_client.models.EngagementWithCredentials</code> attribute), 174	
<code>tax</code> (<code>qcs_api_client.models.billing_invoice.BillingInvoice</code> attribute), 75	
<code>tax</code> (<code>qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice</code> attribute), 88, 89	

method), 77

to_dict() (qcs_api_client.models.billing_invoice_line_metadata.BillingInvoiceLineMetadata method), 78

to_dict() (qcs_api_client.models.billing_price.BillingPrice method), 81

to_dict() (qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence method), 83

to_dict() (qcs_api_client.models.billing_product.BillingProduct method), 87

to_dict() (qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice method), 89

to_dict() (qcs_api_client.models.BillingCustomer method), 154

to_dict() (qcs_api_client.models.BillingInvoice method), 155

to_dict() (qcs_api_client.models.BillingInvoiceLine method), 155

to_dict() (qcs_api_client.models.BillingInvoiceLineMetadata method), 156

to_dict() (qcs_api_client.models.BillingPrice method), 158

to_dict() (qcs_api_client.models.BillingPriceRecurrence method), 159

to_dict() (qcs_api_client.models.BillingProduct method), 162

to_dict() (qcs_api_client.models.BillingUpcomingInvoice method), 163

to_dict() (qcs_api_client.models.Characteristic method), 164

to_dict() (qcs_api_client.models.characteristic.Characteristic method), 90

to_dict() (qcs_api_client.models.check_client_application_request.CheckClientApplicationRequest method), 91

to_dict() (qcs_api_client.models.check_client_application_response.CheckClientApplicationResponse method), 92

to_dict() (qcs_api_client.models.CheckClientApplicationRequest method), 165

to_dict() (qcs_api_client.models.CheckClientApplicationResponse method), 165

to_dict() (qcs_api_client.models.checksum_description.ChecksumDescription method), 93

to_dict() (qcs_api_client.models.ChecksumDescription method), 166

to_dict() (qcs_api_client.models.client_application.ClientApplication method), 95

to_dict() (qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink method), 96

to_dict() (qcs_api_client.models.ClientApplication method), 167

to_dict() (qcs_api_client.models.ClientApplicationsDownloadLink method), 168

to_dict() (qcs_api_client.models.create_endpoint_parameters.CreateEndpointParameters method), 97

to_dict() (qcs_api_client.models.create_engagement_request.CreateEngagementRequest method), 98

to_dict() (qcs_api_client.models.create_invoice_line_metadata.CreateInvoiceLineMetadata method), 100

to_dict() (qcs_api_client.models.CreateEndpointParameters method), 168

to_dict() (qcs_api_client.models.CreateEngagementRequest method), 169

to_dict() (qcs_api_client.models.CreateReservationRequest method), 170

to_dict() (qcs_api_client.models.Dictionary method), 170

to_dict() (qcs_api_client.models.dictionary.Dictionary method), 100

to_dict() (qcs_api_client.models.Edge method), 171

to_dict() (qcs_api_client.models.edge.Edge method), 101

to_dict() (qcs_api_client.models.Endpoint method), 172

to_dict() (qcs_api_client.models.endpoint.Endpoint method), 103

to_dict() (qcs_api_client.models.endpoint_addresses.EndpointAddresses method), 104

to_dict() (qcs_api_client.models.EndpointAddresses method), 172

to_dict() (qcs_api_client.models.engagement_credentials.EngagementCredentials method), 104

to_dict() (qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials method), 106

to_dict() (qcs_api_client.models.EngagementCredentials method), 173

to_dict() (qcs_api_client.models.EngagementWithCredentials method), 175

to_dict() (qcs_api_client.models.Error method), 175

to_dict() (qcs_api_client.models.CheckClientApplicationResponseError method), 107

to_dict() (qcs_api_client.models.find_available_reservations_response.FindAvailableReservationsResponse method), 109

to_dict() (qcs_api_client.models.FindAvailableReservationsResponse method), 176

to_dict() (qcs_api_client.models.get_quilt_calibrations_response.GetQuiltCalibrationsResponse method), 110

to_dict() (qcs_api_client.models.GetQuiltCalibrationsResponse method), 176

to_dict() (qcs_api_client.models.Group method), 177

to_dict() (qcs_api_client.models.group.Group method), 178

to_dict() (qcs_api_client.models.Health method), 178

to_dict() (qcs_api_client.models.health.Health method), 112

to_dict() (qcs_api_client.models.instruction_set_architecture.InstructionSetArchitecture method), 113

to_dict() (qcs_api_client.models.InstructionSetArchitecture method), 179

to_dict() (qcs_api_client.models.invite_user_request.InviteUserRequest method), 179

[to_dict\(\)](#) ([qcs_api_client.models.validation_error.ValidationErrorMessage](#) attribute), 166
[method](#)), 144
[to_dict\(\)](#) ([qcs_api_client.models.ValidationErrorMessage](#) attribute), 195
[to_tuple\(\)](#) ([qcs_api_client.types.File](#) method), 238
[token\(\)](#) ([qcs_api_client.models.auth_reset_password_with_token.AuthResetPasswordWithTokenRequest](#) attribute), 71, 72
[token\(\)](#) ([qcs_api_client.models.AuthResetPasswordWithTokenRequest](#) attribute), 152
[token_payload\(\)](#) ([qcs_api_client.client.QCSClientConfigurationSecretsCredentials](#) attribute), 63
[token_type\(\)](#) ([qcs_api_client.client.TokenPayload](#) attribute), 63
[token_url\(\)](#) ([qcs_api_client.client.QCSAuthServer](#) method), 64
[TokenPayload](#) (class in [qcs_api_client.client](#)), 63
[total\(\)](#) ([qcs_api_client.models.billing_invoice.BillingInvoice](#) attribute), 75
[total\(\)](#) ([qcs_api_client.models.billing_upcoming_invoice.BillingUpcomingInvoice](#) attribute), 89
[total\(\)](#) ([qcs_api_client.models.BillingInvoice](#) attribute), 154
[total\(\)](#) ([qcs_api_client.models.BillingUpcomingInvoice](#) attribute), 163
[translate_native_quil_to_encrypted_binary\(\)](#) (in module [qcs_api_client.operations.asyncio](#)), 208
[translate_native_quil_to_encrypted_binary\(\)](#) (in module [qcs_api_client.operations.asyncio_from_dict](#)), 217
[translate_native_quil_to_encrypted_binary\(\)](#) (in module [qcs_api_client.operations.sync](#)), 229
[translate_native_quil_to_encrypted_binary\(\)](#) (in module [qcs_api_client.operations.sync_from_dict](#)), 236
[TranslateNativeQuilToEncryptedBinaryRequest](#) (class in [qcs_api_client.models](#)), 191
[TranslateNativeQuilToEncryptedBinaryRequest](#) (class in [qcs_api_client.models.translate_native_quil_to_encrypted_binary_request](#)), 136
[TranslateNativeQuilToEncryptedBinaryResponse](#) (class in [qcs_api_client.models](#)), 192
[TranslateNativeQuilToEncryptedBinaryResponse](#) (class in [qcs_api_client.models.translate_native_quil_to_encrypted_binary_response](#)), 138
[TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors](#) (class in [qcs_api_client.models](#)), 192
[TranslateNativeQuilToEncryptedBinaryResponseMemoryDescriptors](#) (class in [qcs_api_client.models.translate_native_quil_to_encrypted_binary_response_memory_descriptors](#)), 139
[type\(\)](#) ([qcs_api_client.models.checksum_description.ChecksumDescription](#) attribute), 93
[type\(\)](#) ([qcs_api_client.models.ChecksumDescription](#) attribute), 93

U
[UNCOLLECTIBLE\(\)](#) ([qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus](#) attribute), 79
[UNCOLLECTIBLE\(\)](#) ([qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus](#) attribute), 157
[unit_amount\(\)](#) ([qcs_api_client.models.Tier](#) attribute), 190, 191
[unit_amount\(\)](#) ([qcs_api_client.models.tier.Tier](#) attribute), 135, 136
[unit_amount_decimal\(\)](#) ([qcs_api_client.models.billing_price.BillingPrice](#) attribute), 80, 81
[unit_amount_decimal\(\)](#) ([qcs_api_client.models.BillingPrice](#) attribute), 158
[unit_amount_decimal\(\)](#) ([qcs_api_client.models.Tier](#) attribute), 190, 191
[unit_amount_decimal\(\)](#) ([qcs_api_client.models.tier.Tier](#) attribute), 135, 136
[unit_label\(\)](#) ([qcs_api_client.models.billing_product.BillingProduct](#) attribute), 87
[unit_label\(\)](#) ([qcs_api_client.models.BillingProduct](#) attribute), 162
[up_to\(\)](#) (in module [qcs_api_client.models](#)), 148
[up_to\(\)](#) (in module [qcs_api_client.models.tier](#)), 135
[up_to\(\)](#) ([qcs_api_client.models.Tier](#) attribute), 190, 191
[up_to\(\)](#) ([qcs_api_client.models.tier.Tier](#) attribute), 135, 136
[update_token\(\)](#) ([qcs_api_client.client.QCSClientConfigurationSecretsCredentials](#) method), 63
[updated_time\(\)](#) ([qcs_api_client.models.Group](#) attribute), 177
[updated_time\(\)](#) ([qcs_api_client.models.group.Group](#) attribute), 111
[updated_time\(\)](#) ([qcs_api_client.models.Reservation](#) attribute), 189
[updated_time\(\)](#) ([qcs_api_client.models.reservation.Reservation](#) attribute), 193, 194
[url\(\)](#) (in module [qcs_api_client.models](#)), 146
[url\(\)](#) (in module [qcs_api_client.models.client_applications_download_link](#)), 95
[url\(\)](#) ([qcs_api_client.models.client_applications_download_link.ClientApplicationsDownloadLink](#) attribute), 98
[url\(\)](#) ([qcs_api_client.models.ClientApplicationsDownloadLink](#) attribute), 167
[url\(\)](#) ([qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessors](#) attribute), 129, 130
[url\(\)](#) ([qcs_api_client.models.quantum_processor_accessor.QuantumProcessorAccessors](#) attribute), 186, 187
[usage_type\(\)](#) ([qcs_api_client.models.billing_price_recurrence.BillingPriceRecurrence](#) attribute), 83

usage_type (*qcs_api_client.models.BillingPriceRecurrence* attribute), 159
 User (class in *qcs_api_client.models*), 193
 User (class in *qcs_api_client.models.user*), 140
 user (*qcs_api_client.client.QCSAccountType* attribute), 64
 USER (*qcs_api_client.models.account_type.AccountType* attribute), 67
 USER (*qcs_api_client.models.AccountType* attribute), 150
 user_email (*qcs_api_client.models.add_group_user_request.AddGroupUserRequest* attribute), 68
 user_email (*qcs_api_client.models.AddGroupUserRequest* attribute), 150
 user_email (*qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest* attribute), 131, 132
 user_email (*qcs_api_client.models.RemoveGroupUserRequest* attribute), 188
 user_id (*qcs_api_client.models.add_group_user_request.AddGroupUserRequest* attribute), 68
 user_id (*qcs_api_client.models.AddGroupUserRequest* attribute), 150
 user_id (*qcs_api_client.models.engagement_with_credentials.EngagementWithCredentials* attribute), 105, 106
 user_id (*qcs_api_client.models.EngagementWithCredentials* attribute), 173, 174
 user_id (*qcs_api_client.models.remove_group_user_request.RemoveGroupUserRequest* attribute), 131, 132
 user_id (*qcs_api_client.models.RemoveGroupUserRequest* attribute), 188
 user_id (*qcs_api_client.models.Reservation* attribute), 189
 user_id (*qcs_api_client.models.reservation.Reservation* attribute), 133
 UserCredentials (class in *qcs_api_client.models*), 193
 UserCredentials (class in *qcs_api_client.models.user_credentials*), 141
 UserCredentialsPassword (class in *qcs_api_client.models*), 194
 UserCredentialsPassword (class in *qcs_api_client.models.user_credentials_password*), 142
 UserProfile (class in *qcs_api_client.models*), 194
 UserProfile (class in *qcs_api_client.models.user_profile*), 143
 users (in module *qcs_api_client.models*), 148
 users (in module *qcs_api_client.models.list_group_users_response*), 119
 users (*qcs_api_client.models.list_group_users_response.ListGroupUsersResponse* attribute), 119
 users (*qcs_api_client.models.ListGroupUsersResponse* attribute), 181
 validation_errors (*qcs_api_client.models.Error* attribute), 175
 validation_errors (*qcs_api_client.models.error.Error* attribute), 107
 ValidationError (class in *qcs_api_client.models*), 195
 ValidationError (class in *qcs_api_client.models.validation_error*), 144
 ValidationErrorIn (class in *qcs_api_client.models.validation_error_in*), 145
 value (in module *qcs_api_client.models*), 149
 value (in module *qcs_api_client.models.user_credentials_password*), 142
 value (*qcs_api_client.models.Characteristic* attribute), 164
 value (*qcs_api_client.models.characteristic.Characteristic* attribute), 90
 value (*qcs_api_client.models.user_credentials_password.UserCredentialsPassword* attribute), 142
 value (*qcs_api_client.models.UserCredentialsPassword* attribute), 194
 verbosity (*qcs_api_client.client.QCSClientConfigurationSettingsApplication* attribute), 65
 version (*qcs_api_client.models.check_client_application_request.CheckClientApplicationRequest* attribute), 91
 version (*qcs_api_client.models.CheckClientApplicationRequest* attribute), 164, 165
 VOID (*qcs_api_client.models.billing_invoice_status.BillingInvoiceStatus* attribute), 79
 VOID (*qcs_api_client.models.BillingInvoiceStatus* attribute), 157
 VOLUME (*qcs_api_client.models.billing_price_tiers_mode.BillingPriceTiersMode* attribute), 86
 VOLUME (*qcs_api_client.models.BillingPriceTiersMode* attribute), 161
 WEEK (*qcs_api_client.models.billing_price_recurrence_interval.BillingPriceRecurrenceInterval* attribute), 84
 WEEK (*qcs_api_client.models.BillingPriceRecurrenceInterval* attribute), 160
 YEAR (*qcs_api_client.models.billing_price_recurrence_interval.BillingPriceRecurrenceInterval* attribute), 84
 YEAR (*qcs_api_client.models.BillingPriceRecurrenceInterval* attribute), 160