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# **Connect Javascript SDK**

***Release 19.2.0***

**Ingram Micro Inc**

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## **INTRODUCTION**

CloudBlue Connect is a supply automation platform that manages your products and services, contracts, ordering and fulfillment, usage and subscriptions.

It supports any product, from physical goods to cloud products, as well as any channel, including your direct and indirect sales channels and internal procurement.

With its flexible APIs, it can connect to any commerce platform.

Vendors can leverage CloudBlue Connect to:

- Reduce the total cost of ownership for homegrown technology supporting their indirect channel
- Standardize integrations with partners
- Increase efficiencies and minimize redundancies by bridging their direct and indirect sales channels

Service providers can use CloudBlue Connect to:

- Define, manage and distribute any type of product (omni-product) through any channel (omni-channel)
- Transform perpetual licensed products into a subscription model
- Onboard new products into their portfolio quickly to build and deliver unique solutions to end customers

The Cloud Blue Connect Javascript SDK helps developers to integrate your commerce platform with Cloud Blue Connect.



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## 2.1 Getting started

### 2.1.1 Requirements

The Cloud Blue Connect Javascript SDK depends on the following 3rd party packages:

- `ramda` version 0.26.1
- `node-fetch` version 2.6.0

### 2.1.2 Installation

The current stable release of the Connect Javascript SDK is 19.2.0.

To install the Connect Javascript SDK at the command prompt enter:

```
$ npm install @cloudblueconnect/connect-javascript-sdk --save
```

### 2.1.3 Usage

The `connect-javascript-sdk` allow you to consume the Connect public API directly or using specialized methods to achieve tasks related to a specific workflow.

#### High-level Usage

```
const { ConnectClient, Fulfillment } = require('@cloudblueconnect/connect-javascript-  
  ↳ sdk');  
const client = new ConnectClient('<api_endpoint>', '<api_key>');  
const fulfillment = new Fulfillment(client);  
  
const response = await fulfillment.approveRequestWithTemplate('<request_id>', '  
  ↳ <template_id>');
```

## Low-level Usage

You can access the API endpoints directly through the `ConnectClient`.

The `ConnectClient` groups operations by the resource they access.

Create an instance of the `ConnectClient` class:

```
const { ConnectClient } = require('@cloudblueconnect/connect-javascript-sdk');

const client = new ConnectClient('<api_endpoint>', '<api_key>');
```

For example to invoke the search action for the *Product* resource:

```
client.products.search()
  .then(products => { console.log(products) });
```

Or if you prefer the `async/await` syntax:

```
const products = await client.products.search();
console.log(products);
```

## 2.2 API Reference

### 2.2.1 Client

**class** `ConnectClient` (*endpoint*, *apiKey*, *adapter*)

`ConnectClient` provides access to resource endpoints of the Cloud Blue Connect Platform.

Creates a new instance of the Cloud Blue *ConnectClient* class. Configures the *beforeRequest* hooks to inject the API key in the Authorization header and prefixes the url with the API's base url.

#### Arguments

- **endpoint** (*string*) – The base URL for API access.
- **apiKey** (*string*) – The API key to authenticate with Connect.
- **adapter** (*AbstractHttpAdapter*) – An optional adapter.

**Returns** `ConnectClient` – An instance of the `ConnectClient` class.

`ConnectClient.accounts`

**type:** `AccountResource`

Returns an instance of the *AccountResource* class to access the Account resource endpoint.

`ConnectClient.assets`

**type:** `AssetResource`

Returns an instance of the *AssetResource* class to access the Asset resource endpoint.

`ConnectClient.conversations`

**type:** `ConversationResource`

Returns an instance of the *ConversationResource* class to access the Conversation resource endpoint.

`ConnectClient.fetch` (*url*, *options*)

Fetch the URL and returns a response.

#### Arguments



- **url** (*string*) – the URL to fetch.
- **options** (*Object*) – the request options.

`ConnectClient.hubs`

**type:** `HubResource`

Returns an instance of the *HubResource* class to access the Hub resource endpoint.

`ConnectClient.products`

**type:** `ProductResource`

Returns an instance of the *ProductResource* class to access the Product resource endpoint.

`ConnectClient.requests`

**type:** `RequestResource`

Returns an instance of the *RequestResource* class to access the Request resource endpoint.

`ConnectClient.tierAccounts`

**type:** `TierAccountResource`

Returns an instance of the *TierAccountResource* class to access the TierAccount resource endpoint.

`ConnectClient.tierConfigRequests`

**type:** `TierConfigRequestResource`

Returns an instance of the *TierConfigRequestResource* class to access the TierConfigurationRequest resource endpoint.

`ConnectClient.webhooks`

**type:** `WebhookResource`

Returns an instance of the *WebhookResource* class to access the Webhook resource endpoint.

**class** `AbstractHttpAdapter` (*fetch*)

The `AbstractHttpAdapter` class allow a CloudBlue Connect SDK consumer to wrap a preferred http client library and adapt requests and responses to in order to work with this SDK.

Create a subclass of `AbstractHttpAdapter`

**Arguments**

- **fetch** (*function*) – the fetch function used to make the actual http call.

`AbstractHttpAdapter.beforeRequest`

Get or set a list of beforeRequest hook functions.

## 2.2.2 Operations

**class** `Fulfillment` (*client*)

The `Fulfillment` class exposes specialized methods to help developers to achieve common use cases for the fulfillment workflow.

Creates an instance of the `Fulfillment` class.

**Arguments**

- **client** (`ConnectClient`) – An instance of the `ConnectClient` class.

**Returns** `Fulfillment` – An instance of the `Fulfillment` class.

`Fulfillment.approveRequest` (*id*, *request*)

Updates the `Request` and set its status to 'approved'.

**Arguments**

- **id** (*string*) – The unique identifier of the Request object.
- **request** (*Object*) – The request body.

**Returns Object** – The updated Request object.

**Examples:**

```
// request body using a template id
{
  template_id: 'TL-827-840-476'
}
```

```
// request body using an activation tile
{
  activation_tile: '<rendered text>'
}
```

**Fulfillment.*approveRequestWithTemplate* (*id*, *templateId*)**

Updates the Request and set its status to 'approved' using an activation template.

**Arguments**

- **id** (*string*) – The unique identifier of the Request object.
- **templateId** (*string*) – The template id to use for Request approval.

**Returns Object** – The updated Request object.

**Fulfillment.*approveTierConfigRequest* (*id*, *request*)**

Updates the TierConfigurationRequest and set its status to 'approved'.

**Arguments**

- **id** (*string*) – The unique identifier of the Request object.
- **request** (*Object*) – The request body.

**Returns Object** – The rendered template.

**Examples:**

```
// request body using a template id
{
  template: {
    id: 'TL-827-840-476'
  }
}
```

**Fulfillment.*approveTierConfigRequestWithTemplate* (*id*, *templateId*)**

Updates the TierConfigurationRequest and set its status to 'approved' using an template.

**Arguments**

- **id** (*string*) – The unique identifier of the TierConfigurationRequest object.
- **templateId** (*string*) – The template id to use for TierConfigurationRequest approval.

**Returns Object** – The rendered template.

**Fulfillment.*createRequest* (*request*)**

Creates a new Request object.

**Arguments**

- **request** (*Object*) – The Request object to create.

`Fulfillment.createTierConfigRequest (request)`

Creates a new `TierConfigurationRequest` object.

**Arguments**

- **request** (*Object*) – The `TierConfigurationRequest` object to create.

`Fulfillment.createUpdateTierConfigRequest (request)`

Creates a new `TierConfigurationRequest` object of type="update".

**Arguments**

- **request** (*Object*) – The `TierConfigurationRequest` object to create.

`Fulfillment.failRequest (id, reason)`

Changes the status of the `Request` object to 'fail'.

**Arguments**

- **id** (*string*) – The unique identifier of the `Request` object.
- **reason** (*string*) – The reason for which the `Request` has been failed.

**Returns** `Object` – The updated `Request` object.

`Fulfillment.failTierConfigRequest (id, reason)`

Changes the status of the `TierConfigurationRequest` object to 'fail'.

**Arguments**

- **id** (*string*) – The unique identifier of the `TierConfigurationRequest` object.
- **reason** (*string*) – The reason for which the `TierConfigurationRequest` has been failed.

`Fulfillment.getConnectionIdByProductAndHub (productId, hubId)`

Search a connection by a product and a hub and if found returns the connection identifier otherwise returns null.

**Arguments**

- **productId** (*string*) – The unique identifier of the `Product`.
- **hubId** (*string*) – The unique identifier of the `Hub`.

**Returns** `string|null` – The `Connection` identifier or null.

`Fulfillment.getRequest (id)`

Retrieve the `Request` object identified by its id.

**Arguments**

- **id** (*string*) – The unique identifier of the `Request` object.

**Returns** `Object` – The `Request` object.

`Fulfillment.getTierConfigRequest (id)`

Retrieve the `TierConfigRequest` object identified by its id.

**Arguments**

- **id** (*string*) – The unique identifier of the `TierConfigRequest` object.

**Returns** `Object` – The `TierConfigRequest` object.

`Fulfillment.inquireRequest (id, request, params, note)`

Updates the Request object to inquire the provider for ordering parameter. It updates the Parameter object **value\_error** attribute and set the status of the Request to 'inquire'.

#### Arguments

- **id** (*string*) – The unique identifier of the Request object.
- **request** (*Object*) – The request body.
- **params** (*Array*) – An array of Parameter objects to update.
- **note** (*string*) – An optional 'note' attribute for the Request.

**Returns Object** – The updated Request object.

#### Examples:

```
// example of the params argument.
[
  {
    id: 'param_a', // id is required
    value_error: 'This address is already used. Try another.'
  }
]
```

```
// request body using a template id
{
  template_id: 'TL-827-840-476'
}
```

```
// request body using an activation tile
{
  activation_tile: '<rendered text>'
}
```

`Fulfillment.inquireRequestWithTemplate (id, templateId, params, note)`

Updates the Request object to inquire the provider for ordering parameter using an activation template. It updates the Parameter object **value\_error** attribute and set the status of the Request to 'inquire'.

#### Arguments

- **id** (*string*) – The unique identifier of the Request object.
- **templateId** (*string*) – The unique identifier of the Template object.
- **params** (*Array*) – An array of Parameter objects to update.
- **note** (*string*) – An optional 'note' attribute for the Request.

**Returns Object** – The updated Request object.

`Fulfillment.inquireTierConfigRequest (id, params, notes)`

Updates the TierConfigRequest object to inquire the tier for ordering parameter. It updates the Parameter object **value\_error** attribute and set the status of the TierConfigRequest to 'inquire'.

#### Arguments

- **id** (*string*) – The unique identifier of the Request object.
- **params** (*Array*) – An array of Parameter objects to update.
- **notes** (*string*) – An optional 'notes' attribute for the Request.

**Examples:**

```
// example of the params argument.
[
  {
    id: 'param_a', // id is required
    value_error: 'This address is already used. Try another.'
  }
]
```

**Fulfillment.pendingRequest** (*id*)

Updates the Request and set its status to 'pending'.

**Arguments**

- **id** (*string*) – The unique identifier of the Request object.

**Returns** **Object** – The updated Request object.

**Fulfillment.pendingTierConfigRequest** (*id*)

Updates the TierConfigRequest and set its status to 'pending'.

**Arguments**

- **id** (*string*) – The unique identifier of the TierConfigRequest object.

**Returns** **Object** – The updated TierConfigRequest object.

**Fulfillment.searchRequests** (*query*)

Returns a list of at most **limit** Request objects that match the provided filters. If no filter is passed, a page of Request in 'pending' status is returned.

See the RequestResource.list method for further information about the filters object.

**Arguments**

- **query** (*Object*) – A RQL query.

**Returns** **Array** – An array of Request objects that match the provided filters.

**Fulfillment.searchTierConfigRequests** (*query*)

Returns a list of at most **limit** TierConfigurationRequest objects that match the provided filters. If no filter is passed, a page of Request in 'pending' status is returned.

for further information about the filters object.

**Arguments**

- **query** (*Object*) – A RQL query.

**Returns** **Array** – An array of TierConfigurationRequest objects that match the provided filters.

**Fulfillment.updateRequest** (*id, request*)

Updates a Request object. Only a partial update can be performed on a Request object: developers can update only the **note** attribute of the Request and/or the asset parameters **value** or **value\_error** attributes.

**Arguments**

- **id** (*string*) – The unique identifier of the Request object.
- **request** (*Object*) – The body of the request.

**Returns** **Object** – The updated Request object.

**Examples:**

```
{
  note: 'Test Note',
  asset: {
    params: [
      {
        id: 'param_a', // id is required
        value: 'value_of_param_a',
        value_error: 'This address is already used. Try another.'
      }
    ]
  }
}
```

**Fulfillment.updateRequestParameters** (*id, params, note*)

Updates the asset parameters of a Request object.

#### Arguments

- **id** (*string*) – The unique identifier of the Request object.
- **params** (*Array*) – Array of Parameter objects to update.
- **note** (*string*) – An optional **note** for the Request.

**Returns Object** – The updated Request object.

**Fulfillment.updateTierConfigRequest** (*id, request*)

Updates a TierConfigurationRequest object. Only a partial update can be performed on a TierConfigurationRequest object: developers can update only the **notew** attribute of the TierConfigurationRequest and/or the config parameters **value** or **value\_error** attributes.

#### Arguments

- **id** (*string*) – The unique identifier of the TierConfigurationRequest object.
- **request** (*Object*) – The body of the request.

**Returns Object** – The updated TierConfigurationRequest object.

#### Examples:

```
{
  notes: 'Test Note',
  params: [
    {
      id: 'param_a', // id is required
      value: 'value_of_param_a',
      value_error: 'This address is already used. Try another.'
    }
  ]
}
```

**Fulfillment.updateTierConfigRequestParameters** (*id, params, notes*)

Updates the parameters of a TierConfigurationRequest object.

#### Arguments

- **id** (*string*) – The unique identifier of the TierConfigurationRequest object.
- **params** (*Array*) – Array of Parameter objects to update.
- **notes** (*string*) – An optional **notes** for the TierConfigurationRequest.

**Returns Object** – The updated Request object.

### **class Directory** (*client*)

The Directory class exposes specialized methods to help developers to access the directory (assets, tier configs, tier accounts).

Creates an instance of the Directory class.

#### **Arguments**

- **client** (*ConnectClient*) – An instance of the ConnectClient class.

**Returns Directory** – An instance of the Directory class.

**Directory.getAssetsByProductIdExternalId** (*productId, externalId*)

Returns a list of Asset objects based on the productId and the Asset externalId.

#### **Arguments**

- **productId** (*string*) – The unique id of the Product related to this Asset.
- **externalId** (*string*) – The external identifier of the Asset.

**Returns Array** – An array of Asset objects.

**Directory.getTierAccount** (*id*)

Retrieve a TierAccount by its id.

#### **Arguments**

- **id** (*string*) – The unique identifier of the TierAccount object.

**Returns Object** – The TierAccount object.

**Directory.searchTierAccounts** (*query*)

Returns a list of TierAccount objects that match the provided (optional) query.

#### **Arguments**

- **query** (*Object*) – The optional query to filter results.

**Returns Array** – An array of TierAccount object optionally matching the provided query.

### **class Inventory** (*client*)

The Inventory class exposes specialized methods to help developers to access the inventory (products, items etc).

Creates an instance of the Inventory class.

#### **Arguments**

- **client** (*ConnectClient*) – An instance of the ConnectClient class.

**Returns Inventory** – An instance of the Inventory class.

**Inventory.getAssetParametersForFulfillmentByProduct** (*id*)

Retrieves the list of parameters of scope asset and phase fulfillment configured for the product.

#### **Arguments**

- **id** (*string*) – The unique product identifier for which retrieve the parameters.

**Returns Array** – An array with the Parameter objects.

**Inventory.getParametersByProduct** (*id*)

Retrieves the list of parameters configured for the product.

**Arguments**

- **id** (*string*) – The unique product identifier for which retrieve the parameters.

**Returns Array** – An array with the Parameter objects.

`Inventory.getProductAssetTemplates (id)`

Returns the list of templates configured for a product with scope “asset”.

**Arguments**

- **id** (*string*) – The unique identifier of the product.

**Returns Array** – An array of Template objects.

`Inventory.getProductTemplates (id)`

Returns the list of templates configured for a product.

**Arguments**

- **id** (*string*) – The unique identifier of the product.

**Returns Array** – An array of Template objects.

## 2.2.3 Resources

**class GenericResource** (*client, baseUri*)

The `GenericResource` map a generic endpoint of the CloudBlue Connect API. Each API endpoint should extend this class and implements endpoint specific actions and subresources access.

**Arguments**

- **client** (`ConnectClient`) – A `ConnectClient` instance.
- **baseUri** (*string*) – The base URI of the resource

`GenericResource.baseUri`

**type:** string

Returns the base URI of the resource mapped by this class.

`GenericResource.create (obj)`

Create a new resource.

**Arguments**

- **obj** (*Object*) – The resource to create.

**Returns Object** – The created resource.

`GenericResource.delete (id)`

Delete a resource.

**Arguments**

- **id** (*string*) – The unique identifier of the resource to delete.

`GenericResource.fetch (url, options)`

Fetch the URL and returns a response.

**Arguments**

- **url** (*string*) – the URL to fetch.
- **options** (*Object*) – the request options.



`GenericResource.get(id)`

Retrieve a resource by its unique identifier.

**Arguments**

- **id** (*string*) – The unique identifier of the resource to retrieve.

**Returns Object** – The resource.

`GenericResource.search(query)`

Search for a resource.

**Arguments**

- **query** (*Object*) – The query to send to the server as a RQL object.

**Returns Array** – An array of resources that match the provided filters.

`GenericResource.update(id, obj)`

Update a resource.

**Arguments**

- **id** (*string*) – The unique identifier of the resource to update.
- **obj** (*Object*) – The eventually partial resource to update.

**Returns Object** – The updated resource.

**class AccountResource** (*client*)

The AccountResource class provides methods to access the accounts endpoint of the Cloud Blue Connect API.

Creates a new instance of the AccountResource class.

**Arguments**

- **client** (*ConnectClient*) – An instance of the ConnectClient class.

**Returns AccountResource** – An instance of the AccountResource class.

`AccountResource.users(id)`

Returns an instance of the AccountUserResource class.

**Arguments**

- **id** (*string*) – The account unique identifier.

**Returns AccountUserResource** – An instance of AccountUserResource.

**class AccountUserResource** ()

The AccountUserResource allow consumers of the CloudBlue Connect API to access information about Users related to an account.

**class AssetResource** (*client*)

The AssetResource class provides methods to access the assets endpoint of the Cloud Blue Connect API.

Creates a new instance of the AssetResource class.

**Arguments**

- **client** (*ConnectClient*) – An instance of the ConnectClient class.

**Returns AssetResource** – An instance of the AssetResource class.

**class ConversationResource** (*client*)

The ConversationResource class provides methods to access the conversations endpoint of the Cloud Blue Connect API.

Creates a new instance of the `ConversationResource` class.

**Arguments**

- **client** (`ConnectClient`) – An instance of the `ConnectClient` class.

**Returns** `ConversationResource` – An instance of the `ConversationResource` class.

`ConversationResource.createMessage(id, msg)`

Add a message to a `Conversation` object.

**Arguments**

- **id** (`string`) – The unique identifier of the `Conversation` object.
- **msg** (`string`) – The text of the message to post.

**Returns** `Object` – The newly created `Message` object.

`ConversationResource.getConversationsByObjectId(id)`

Returns a list of conversations attached to the business object specified by its id.

**Arguments**

- **id** (`string`) – The unique id of the business object attached to a conversation.

**Returns** `Array` – A list of conversations attached to a business object.

**class** `HubResource` (`client`)

The `HubResource` class provides methods to access the hubs endpoint of the Cloud Blue Connect API.

Creates a new instance of the `HubResource` class.

**Arguments**

- **client** (`ConnectClient`) – An instance of the `ConnectClient` class.

**Returns** `HubResource` – An instance of the `HubResource` class.

**class** `ProductResource` (`client`)

The `ProductResource` class provides methods to access the products endpoint of the Cloud Blue Connect API.

Creates a new instance of the `ProductResource` class.

**Arguments**

- **client** (`ConnectClient`) – An instance of the `ConnectClient` class.

**Returns** `ProductResource` – An instance of the `ProductResource` class.

`ProductResource.actions(id)`

Returns an instance of the `ProductActionResource` for a `Product`.

**Arguments**

- **id** (`string`) – The unique identifier of the `Product`.

**Returns** `ProductActionResource` – An instance of the `ProductActionResource` for the product.

`ProductResource.configurations(id)`

Returns an instance of the `ProductConfigurationResource` for a `ProductConfiguration`.

**Arguments**

- **id** (`string`) – The unique identifier of the `Product`.

**Returns ProductConfigurationResource** – An instance of the ProductConfigurationResource for the product.

`ProductResource.getConnections(id)`

Returns the list of Connection objects configured for the Product.

**Arguments**

- **id** (*string*) – The unique identifier of the Product.

**Returns Array** – The list of Connection objects.

`ProductResource.getItems(id)`

Returns the list of ProductItem objects configured for the Product.

**Arguments**

- **id** (*string*) – The unique identifier of the Product.

**Returns Array** – The list of ProductItem objects.

`ProductResource.getParameters(id)`

Returns the list of Parameter objects configured for the Product.

**Arguments**

- **id** (*string*) – The unique identifier of the Product.

**Returns Array** – The list of Parameter objects.

`ProductResource.getTemplates(id)`

Returns the list of Template objects configured for the Product.

**Arguments**

- **id** (*string*) – The unique identifier of the Product.

**Returns Array** – The list of Template objects.

`ProductResource.versions(id)`

Returns an instance of the ProductVersionResource for a Product.

**Arguments**

- **id** (*string*) – The unique identifier of the Product.

**Returns ProductVersionResource** – An instance of the ProductVersionResource for the product.

**class ProductActionResource()**

The ProductActionResource class provides methods to access the Action objects for a product.

`ProductActionResource.link(id, assetId)`

Returns the ActionLink object for a product and asset.

**Arguments**

- **id** (*string*) – The unique identifier of the Action.
- **assetId** (*string*) – The unique identifier of the Asset.

**Returns Object** – The ActionLink object.

**class ProductConfigurationResource()**

The ProductConfigurationResource class provides methods to access the ProductConfiguration objects for a product.

**class ProductVersionResource** (*client*)

The ProductVersionResource class provides methods to access the Version objects for a product.

Creates a new instance of the ProductVersionResource class.

**Arguments**

- **client** (*ConnectClient*) – An instance of the ConnectClient class.

**Returns ProductVersionResource** – An instance of the ProductVersionResource class.

**ProductVersionResource.actions** (*id*)

Returns an instance of the ProductActionResource class to access the Action objects configured for a specific version of a Product.

**Arguments**

- **id** (*string*) – The unique identifier of the Version object for a Product.

**Returns ProductActionResource** – The instance of the ProductActionResource class for a product/version.

**class RequestResource** (*client*)

The RequestResource class provides methods to access the Request endpoint of the Cloud Blue Connect API.

Creates a new instance of the RequestResource class.

**Arguments**

- **client** (*ConnectClient*) – An instance of the ConnectClient class.

**Returns RequestResource** – An instance of the RequestResource class.

**RequestResource.approve** (*id, request*)

Change the status of a Request to approved. To change the status of the Request to approved you must provide either a template id or a template tile.

**Arguments**

- **id** (*string*) – The unique identifier of the Request object.
- **request** (*Object*) – The request body.

**Returns Object** – The updated Request object.

**Examples:**

```
// request body using a template id
{
  template_id: 'TL-827-840-476'
}
```

```
// request body using an activation tile
{
  activation_tile: '<rendered text>'
}
```

**RequestResource.fail** (*id, reason*)

Change the status of a Request to fail.

**Arguments**

- **id** (*string*) – The unique identifier of the Request object.

- **reason** (*string*) – The reason for which the Request has been failed.

**Returns Object** – The updated Request object.

`RequestResource.inquire(id, request)`

Change the status of a Request to inquire. To change the status of the Request to inquire you must provide either a template id or a template tile.

#### Arguments

- **id** (*string*) – The unique identifier of the Request object.
- **request** (*Object*) – The request body.

**Returns Object** – The updated Request object.

#### Examples:

```
// request body using a template id
{
  template_id: 'TL-827-840-476'
}
```

```
// request body using an activation tile
{
  activation_tile: '<rendered text>'
}
```

`RequestResource.pending(id)`

Change the status of a Request to pending.

#### Arguments

- **id** (*string*) – The unique identifier of the Request object.

**Returns Object** – The updated Request object.

**class TierAccountResource** (*client*)

The `TierAccountResource` class provides methods to access the tier accounts endpoint of the Cloud Blue Connect API.

Creates a new instance of the `TierAccountResource` class.

#### Arguments

- **client** (`ConnectClient`) – An instance of the `ConnectClient` class.

**Returns TierAccountResource** – An instance of the `TierAccountResource` class.

**class TierConfigRequestResource** (*client*)

The `TierConfigRequestResource` class provides methods to access the `TierConfigRequest` endpoint of the Cloud Blue Connect API.

Creates a new instance of the `TierConfigRequestResource` class.

#### Arguments

- **client** (`ConnectClient`) – An instance of the `ConnectClient` class.

**Returns TierConfigRequestResource** – An instance of the `TierConfigRequestResource` class.

`TierConfigRequestResource.approve(id, request)`

Change the status of a `TierConfigurationRequest` to approved. To change the status of the `TierConfigurationRequest` to approved you must provide a Template id.

**Arguments**

- **id** (*string*) – The unique identifier of the TierConfigurationRequest object.
- **request** (*Object*) – The request body.

**Returns Object** – The rendered Template.

**Examples:**

```
// request body using a template id
{
  template: {
    id: 'TL-000-000-000'
  }
}
```

`TierConfigRequestResource.fail(id, reason)`

Changes the status of a TierConfigurationRequest to fail.

**Arguments**

- **id** (*string*) – The unique identifier of the TierConfigurationRequest object.
- **reason** (*string*) – The reason for which the TierConfigurationRequest has been failed.

`TierConfigRequestResource.inquire(id)`

Changes the status of a TierConfigurationRequest to inquire.

**Arguments**

- **id** (*string*) – The unique identifier of the TierConfigurationRequest object.

`TierConfigRequestResource.pending(id)`

Changes the status of a TierConfigurationRequest to pending.

**Arguments**

- **id** (*string*) – The unique identifier of the TierConfigurationRequest object.

**class WebhookResource** (*client*)

The WebhookResource class provides methods to access the webhooks endpoint of the Cloud Blue Connect API.

Creates a new instance of the WebhookResource class.

**Arguments**

- **client** (*ConnectClient*) – An instance of the ConnectClient class.

**Returns WebhookResource** – An instance of the WebhookResource class.

## 2.2.4 Errors

**class HttpError** (*status, message*)

HttpError wraps any http response which status is != 2xx.

Create a new instance of the HttpError class.

**Arguments**

- **status** (*number*) – the http status code.
- **message** (*string*) – an error message.

`HttpError.status`

**type:** number

The http status code.

**class** `APIError` (*status*, *message*)

APIError wraps CloudBlue Connect API errors. Provides convenient methods to obtains error code and error messages. The Cloud Blue Connect JSON error looks like:

Create a new instance of the APIError class.

#### Arguments

- **status** (*number*) – the http status code.
- **message** (*string*) – A JSON parseable object.

#### Examples:

```
{
  "error_code": "SYS_001",
  "errors": [
    "error message 1"
  ]
}
```

`APIError.errorCode`

Returns the error code.

`APIError.errors`

Returns an array of error messages.

`APIError.json`

Returns the JSON error object.

`APIError.status`

**type:** number

The http status code.





## INDICES AND TABLES

- `genindex`
- `modindex`
- `search`



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## CHAPTER FOUR

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