A picture containing outdoor object

Description automatically generated**{Your Logo Here}**

{apiName}

Developer Guide

Updated: 1/19/2022

# Working with this API

[This boilerplate file contains instructions (enclosed in square brackets, “[ ]”) and boilerplate text that API Developers can use to create a new **API Developer Guide** for the APIs they publish.

Use this Word template to create, edit, and publish a PDF guide that describes how to use an API. When the documentation is ready to be published, save and distribute the document as a PDF file.

This guide focuses on How To integrate the API into apps and does not supply a complete API Reference for the API. Instead, the API Reference is presented via the associated OpenAPI Spec (a YAML or JSON file). Use the “description” fields in the spec to detail the specifics of calling each method in the API, as well as describing all the request and response attributes used by the API.

**How To use this boilerplate**

- COPY this file to a new directory and RENAME it to match the title of the doc.

- On the Cover Page, enter the name of your API **and** update the **Updated** date.

-Read all the instructions enclosed in brackets, then delete the instructions as you cover the material in the doc. The boilerplate text (not enclosed in brackets) should be left as is.

- Items enclosed in curly braces, “{ }” are placeholders that must be replaced with values of your own.

For a reference on the styles available in this Word template, see the CDK Developer Doc **Styles Guide** document.]

[**BEGIN HERE:** Introduce the API at the top of the document by briefly describing what the API does in one or two sentences that tells the reader if this API meets their needs.]

**{apiName** lets you …}

Working with This Guide

This guide is divided into three sections:

*Working with this API*

*API Summary*

*Workflows*

For details on each method in the API, including attribute descriptions for each method’s request and response bodies, see the **Specification** tab on the API’s Home page in the [API Directory](https://apidocs.fortellis.io/specs/b0f20c99-ed1f-49de-a0e8-6776d2ee0fe3).

**Tip:** For easy navigation through this guide, use the **Bookmarks** pane () in a PDF reader.

## New in this Version

[Include this section if the API has been updated. Treat this section as the Release Notes for the API and make it as detailed as it needs to be.]

## Technical Overview

[Describe the 3-5 **key concepts** about how the API works. If applicable, use subsections and diagrams.

This high-level description should be suitable for a range of audiences: CTOs, Program Managers, tech owners, developers, and other stakeholders involved the software funding/design/creation process.]

### Using the API

**{apiName}** is a RESTful API where you structure requests to the service with the following components:

**Endpoint** – Each API method uses an endpoint comprised of an HTTP method and a URI.

**HTTP headers** – All methods require the headers described in the *API Summary*.

**Request body** – Where required, format a method’s request body in JSON.

For details on configuring these components in the calls you make to the service, see the *API Summary*.

[Add any other relevant information API Developers might need to know about consuming your API.]

### Prerequisites

You must have a Fortellis Developers Program account before you can make requests to this API. Once you have an account, sign in to the [Developer Network](https://developer.fortellis.io/), create an app, and subscribe to the API.

When you create an app, Fortellis assigns a set of authorization credentials and a subscription ID to the app. You use these values to make requests to the API service.

[Include any special prerequisites your API users need to know (perhaps what your reader needs to configure before they can use the API or input values that are returned by another API).]

**Tip:** For details on getting started with the Fortellis platform and using the credentials assigned to your solution to makes calls to a Fortellis API, see [Getting Started](https://docs.fortellis.io/docs/general/overview/getting-started/).

# API Summary

[The API Summary gives an overview of the methods exposed in the latest API Spec and describes in detail how to make calls to the API.]

This *API Summary* details how to make requests to the methods in **{apiName}**.

## API Method Summary

[This section contains a table that has a row for each methods in the API.  
 REPLACE the methods in the sample table to create your own summary.]

The table below outlines the methods provided by **{apiName}**.

|  |  |  |
| --- | --- | --- |
| Endpoint | Operation ID | Description |
| {POST /endpointPath} | **{operationId}** | {Method summary.} |
| {GET /endpointPath} | **{operationId}** | {Method summary.} |

**Note:** The API Spec is a n OpenAPI file that acts as the contract between the API provider and the API user. Always refer to the declarations in the API Spec as the authoritative definition of the API. Find the latest spec here, {Link-to-the-API-spec}.

### The Base Path

Endpoints consist of an HTTP method plus the method’s URL. All methods in the API use the following host and *Base Path* in their endpoint URLs:

https://api.fortellis.io/{apiBasePath}

### HTTP Headers

In addition to the standard set of HTTP headers used to make a REST API request, all methods in this API require the following set of headers:

|  |  |
| --- | --- |
| Header | Description |
| **Subscription-Id** | Required  The Subscription ID assigned to the solution you are developing on the Fortellis platform. Sign in to your Developer Network account to retrieve this value from your solution’s Subscription Report. |
| **Authorization** | Required  This header provides the authorization needed to make requests to the API.  Call the Fortellis OAuth token server using the client credentials flow to create an OAuth 2.0 access token. Set the value of this header to the word “Bearer” followed by a space and a valid access token.  For example: "Authorization: Bearer <tokenValue>" |
| **Request-Id** | Required  A client-supplied string value that is unique for each request. This value is returned in the response so you can correlate the request to the response.  Note that the Fortellis front end supplies this value to the API service if the value is not supplied by the client. |

### Authorizing Requests

[Add information on how to authorize the calls made to your API. You can use the following content if your API use Bearer tokens for authorization.]

This API requires a valid OAuth access token in each request you make to the service. Use the Client Credentials Flow to generate a Bearer access token and provide a valid token in the **Authorization** header of your requests. For more, see: [Introduction to Authorization](https://docs.fortellis.io/docs/tutorials/solution-integration/auth/).

### Request and Response Bodies

[This optional section can be used to describe how to format the request and response bodies of the API. Modify the boilerplate text below as needed.]

Not all methods use a request body but where required, format the request body in JSON as outlined in the schema details for each method. In response, the service returns all payloads formatted in JSON.

### Request and Response Body Attributes

[Although you should supply attribute descriptions in the API Spec, you can add this section to detail the API’s request and response body attributes.]

Attribute Table

|  |  |  |
| --- | --- | --- |
| Attribute | Type | Description |
| **{attribute-n}** | {string} | {Attribute description.} |
| **{attribute-n+1}** | {number} | {Attribute description.} |

## Troubleshooting

[This optional section includes any troubleshooting information you might have for the API, such as a list of error message or other tips.]

Fortellis APIs issue standard HTTP status and error codes as outlined in [RFC 7231](https://tools.ietf.org/html/rfc7231#section-6).

### HTTP Status Codes Returned

[Edit the following table as needed for your API.]

|  |  |
| --- | --- |
| Code | Description |
| 200 | OK |
| 400 | Bad Request |
| 401 | Unauthorized: Access token is expired or invalid |
| 403 | Forbidden |
| 404 | Not Found |
| 429 | Too Many Requests |
| 500 | Internal Server Error |

[Include any other troubleshooting information you might have for the API. This might include a list of error message or other troubleshooting tips.]

## Other Resources

[This optional section points to any other developer docs or other resources that might be of help to the users of the service.]

Review the following resources to find more information related to the {apiName}:

* {List of links and resources related to the API}

# Workflows

The use cases outlined below describe how you might incorporate this API into your business processes.

[The Workflow section is the Implementation section of the guide.

At the top of this section, give a general description for each of the use cases that an API Consumer might want to implement. The most important use cases for the API should then lead to Workflow subsection below that details How To implement the use case.

You can start by creating a use case for each of the methods in the API. If you follow the CRUD model, the first use case might be “Create a Widget in Your App” for a POST operation, or “Get a List of Widgets” for a GET operation. Add as many use cases as appropriate.]

## {Workflow-n}

[A Workflow is a detailed How To section that describes all the steps you must complete to implement the use case. Display all request and response code examples in this section.]

{Here we show how to …}.

### Example Call to {apiOperationName}

// {apiOperationName} – request example

curl -X {METHOD} "https://api.fortellis.io\{apiPath}" \

-H 'Authorization: Bearer <token>' \

-H 'Subscription-Id: <subscriptionId>' \

-H 'Request-Id: <requestId>'

-d '{

"example": "payload, if needed}"

}'

### Example Response from {apiOperationName}

{If successful, the call returns ...}

// {apiOperationName} – response example

{

"JSON RESPONSE": "EXAMPLE HERE"

}

## {Workflow-n+1}

[A detailed How To section that describes the implementation details of use case n+1.]