

PROJECTSIGHT

API DOCUMENTATION

September 2022

ProjectSight API

You can use the ProjectSight API to view and update information in your portfolios and projects. To request access, email ProjectSightAPISupport@trimble.com.

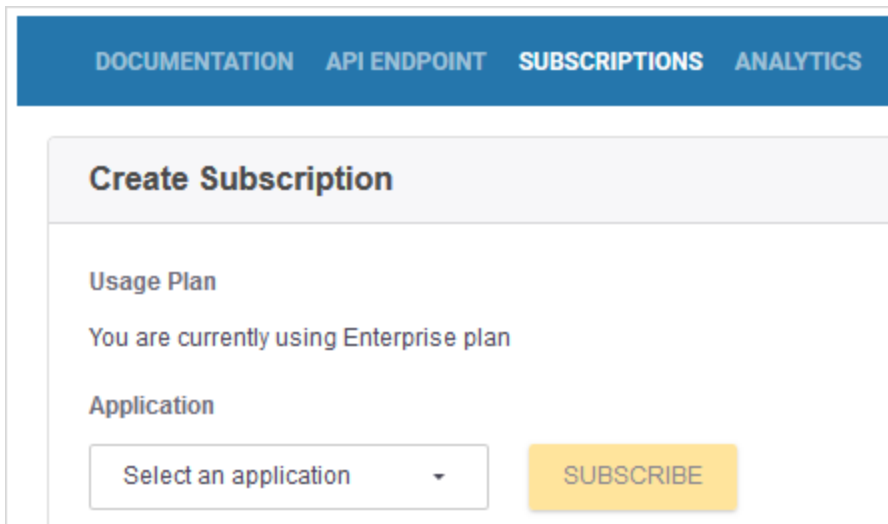
After you register your application, you can subscribe it to the API and then acquire a security token. The token is associated with your Trimble account credentials and is valid for the period of time that's defined in the [token response](#).

Note:

- For information on getting the identity packages, refer to the [Trimble.Identity page](#).
- You can add references to the [ProjectSight Client SDK \(Trimble.ProjectSight.SDK\)](#) in your .NET projects.

To subscribe to the ProjectSight API

1. Sign in to [API Cloud](#) with your Trimble account.
2. On the **Discover API** page, click **ProjectSight** or **ProjectSight-EU**.
3. Click **Subscriptions**.
4. In the **Create Subscription** section, select your application, and then click **Subscribe**.



The screenshot shows a web interface with a blue navigation bar at the top containing the links: DOCUMENTATION, API ENDPOINT, SUBSCRIPTIONS, and ANALYTICS. Below the navigation bar is a section titled "Create Subscription". Under this title, there is a "Usage Plan" section with the text "You are currently using Enterprise plan". Below that is an "Application" section featuring a dropdown menu with the text "Select an application" and a downward arrow, and a yellow "SUBSCRIBE" button to its right.

To acquire a security token

1. In [API Cloud](#), click **ProjectSight** or **ProjectSight-EU**.
2. Click **Get Key**.
3. Copy the following values:
 - Application Name
 - Consumer Key

- Consumer Secret
- Package & Usage Plan Key

Get Key ✕

Application Name

Access Token

COPY

Consumer Key

COPY

Consumer Secret

COPY

Package & Usage Plan Key

COPY

4. To obtain a security token from Trimble Identity, POST a request to <https://id.trimble.com/oauth/token> with the following information:
 - Header: Authorization
Value: Basic Key
Note: The key in the Authorization value is a single string that consists of the Consumer Key and the Consumer Secret, separated by a semi-colon (ConsumerKey:ConsumerSecret) and then Base64-encoded.
 - Header: Content-Type
Value: application/x-www-form-urlencoded
 - Body:

```
grant_type=client_credentials
scope=[Application Name]
```

Note: Replace *[Application Name]* with the value copied in the previous step.

Example:

```
POST https://id.trimble.com/oauth/token/
Authorization: Basic TE9pU...
Content-Type: application/x-www-form-urlencoded
Accept: application/json
Cache-Control: no-cache

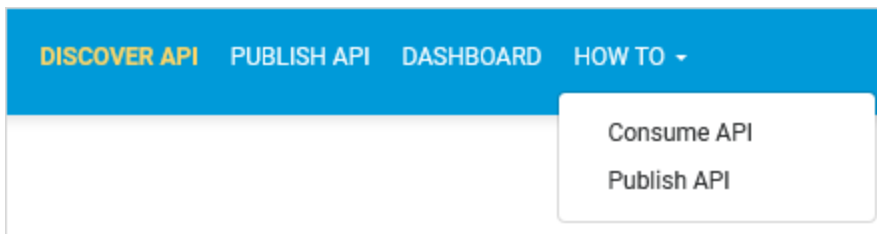
grant_type=client_credentials
scope=Trimble-ProjectSightAppl
```

Note:

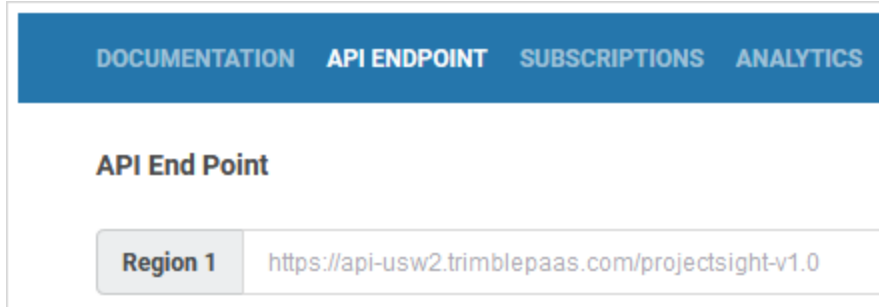
- If the request is successful, the response contains a Json class with several properties.
 - The `access_token` property is used to make the API calls.
 - The `expires_in` property defines how many seconds the token is valid for.
- If the request fails, the response includes two fields, `error` and `error_description`, that describe the problem.

To make an API request

1. In [API Cloud](#), click **ProjectSight** or **ProjectSight-EU**.
2. For information on how to access the API endpoints, Click **How to > Consume API**.

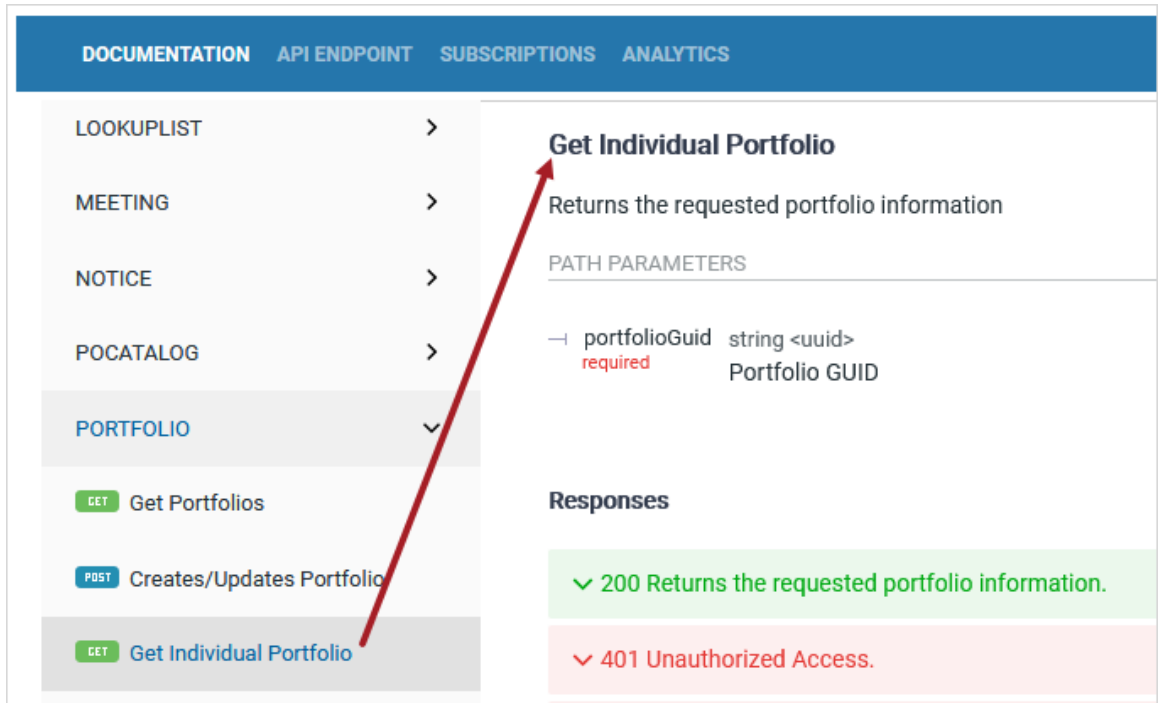


- To find the URL that you will use to access the API for your application, click **API Endpoint**.



The screenshot shows a navigation bar with four items: DOCUMENTATION, API ENDPOINT, SUBSCRIPTIONS, and ANALYTICS. Below the navigation bar, the heading "API End Point" is displayed. Underneath, there is a dropdown menu for "Region 1" which is currently selected, and a text field containing the URL "https://api-usw2.trimblepaas.com/projectsight-v1.0".

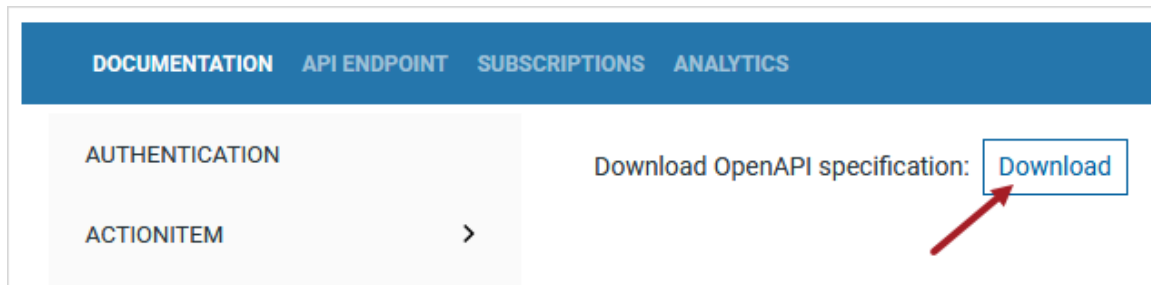
- To find a specific endpoint, click **Documentation**.



The screenshot shows the API Documentation page with a navigation bar containing DOCUMENTATION, API ENDPOINT, SUBSCRIPTIONS, and ANALYTICS. A sidebar on the left lists various endpoints: LOOKUPLIST, MEETING, NOTICE, POCATALOG, PORTFOLIO (expanded), and three endpoints under PORTFOLIO: GET Get Portfolios, POST Creates/Updates Portfolio, and GET Get Individual Portfolio. A red arrow points from the "GET Get Individual Portfolio" endpoint in the sidebar to the detailed view of that endpoint on the right. The detailed view includes the title "Get Individual Portfolio", a description "Returns the requested portfolio information", a section for "PATH PARAMETERS" with a parameter "portfolioGuid" of type "string <uuid>" and marked as "required", and a "Responses" section with two entries: "200 Returns the requested portfolio information." and "401 Unauthorized Access."

To download the OpenAPI specification

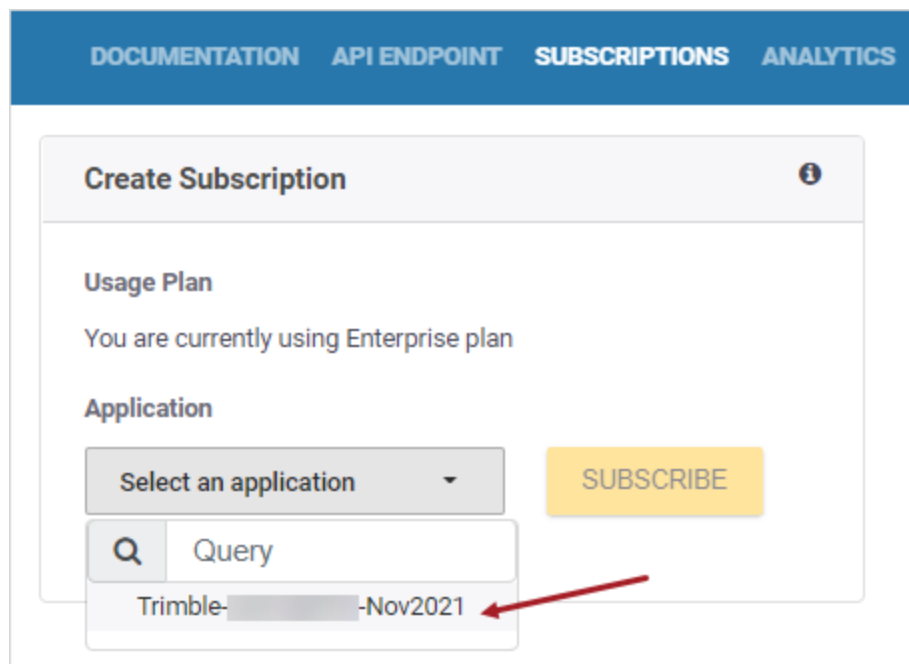
- On the **Documentation** page of [ProjectSight](#) or [ProjectSight-EU](#), click **Download**.



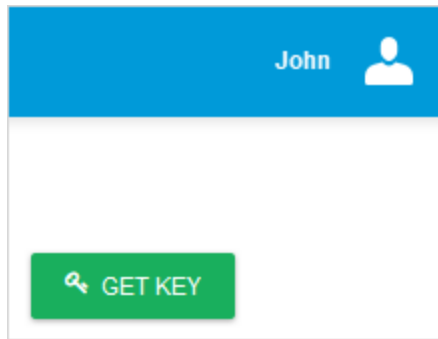
If you do not have a Trimble ID account, you can access it [here](#).

To reset the consumer key and consumer secret

1. Ask Trimble Support to create a new application in API Cloud.
2. Subscribe to the new application, and use its consumer key and consumer secret for your ProjectSight integrations.
 - a. Sign in to [API Cloud](#), and click **ProjectSight** or **ProjectSight-EU**.
 - b. Click the **Subscriptions** tab.
 - c. In the **Create Subscription** section, select the new application and then click **Subscribe**.



- d. Click **Get Key**.




- e. To view and copy the consumer key and consumer secret for the new application, select the new application from the list.

A 'Get Key' dialog box with a close button (X) in the top right. It contains a dropdown menu for 'Application Name' with a red arrow pointing to the selected item 'Trimble-...-Nov2021'. Below the dropdown is a list of application names. To the right of the list is a yellow 'COPY' button. Below this are three sections: 'Consumer Key' with a masked key and a 'COPY' button; 'Consumer Secret' with a masked secret and a 'COPY' button; and 'Package & Usage Plan Key' with a dropdown set to 'Trimble', a masked key, and a 'COPY' button.

- f. Update your ProjectSight integrations with the new consumer key and consumer secret.

Note: The **Package & Usage Plan Key** (i.e., x-api-key HTTP header) does not change. Only the **Consumer Key** and **Consumer Secret** are unique to each application subscription.

3. To remove the subscription to the old application, click **Revoke Key** beside the old application.

Subscription Details		
Name	Status	Actions
Trimble-██████████-Nov2021	ACTIVE	REVOKE KEY
Trimble-██████████	ACTIVE	REVOKE KEY 

Supported features

Record types

- ActionItem
- ApplicationForPayment
- Budget
- BudgetCodeStructure
- BudgetGroup
- ChangeOrderRequest
- Checklist
- Company
- Contract
- ContractInvoice
- DailyReport
- Drawing
- DrawingSet
- FieldWorkDirective
- File
- Folder
- Forecast
- GeneralInvoice

- Issue
- LookupList
- Notice
- POCatalog
- Portfolio
- PotentialCO
- PrimeContractCO
- Project
- PunchList
- PurchaseOrder
- ReportGenerator
- RFI
- Role
- SafetyNotice
- SubContractCO
- Submittal
- SubmittalPackage
- Transmittal
- User

API operations

For the supported record types, the following API operations are available:

- Get a record
- Delete a record
- Get a collection of records
- Create or update a record
- Get a collection of records based on a query request
- Get workflow states for records
- Get a list of available reports
- Get a list of available UDFs

Note: Some record types have different operations. To see the full list, refer to the API documentation for [ProjectSight](#) or [ProjectSight-EU](#).