

PROJECTSIGHT

API DOCUMENTATION

April 2024

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.

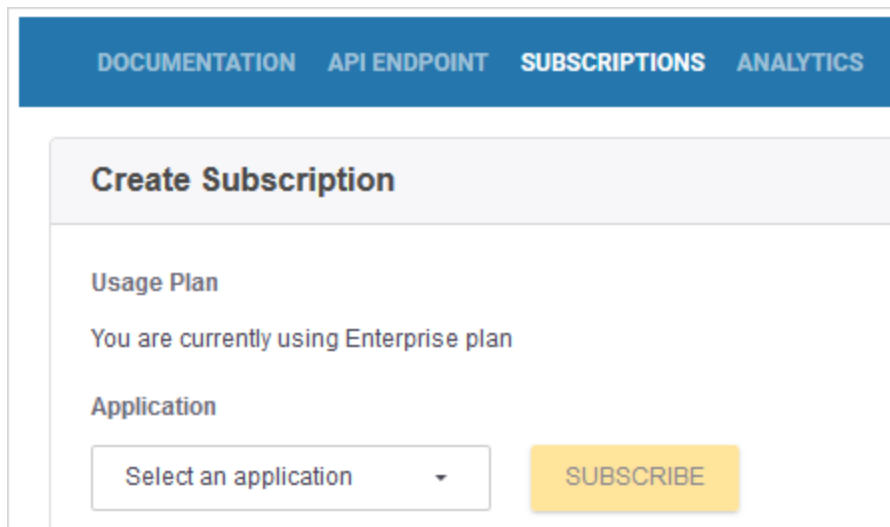
After you register your application, you can subscribe it to the API and then acquire a security token. The token is associated with your Trimble account credentials and is valid for the period of time that's defined in the [token response](#).

Note:

- For more information on the ProjectSight API, refer to the [developer documentation](#).
- 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 white box titled "Create Subscription". Inside this box, there is a section for "Usage Plan" which states "You are currently using Enterprise plan". Below that is an "Application" section with a dropdown menu labeled "Select an application" and a yellow "SUBSCRIBE" button.

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 colon (ConstumerKey: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

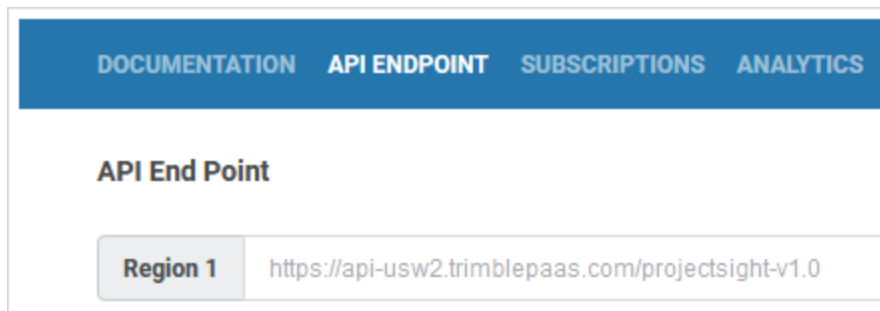
grant_type=client_credentials
scope=Trimble-ProjectSightApp1
```

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.

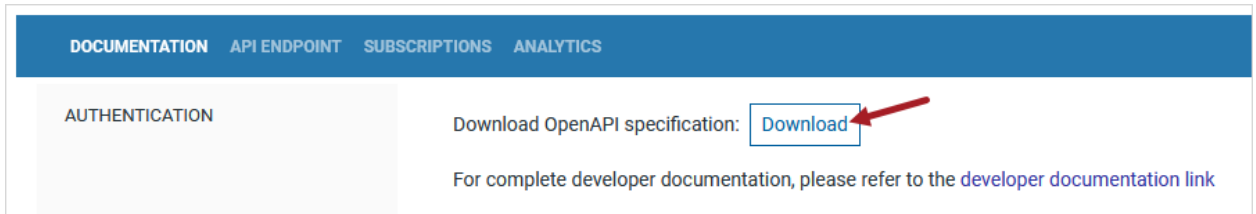
To make an API request

1. In [API Cloud](#), click **ProjectSight** or **ProjectSight-EU**.
2. For more information on the API endpoints, refer to the [developer documentation](#).
 - To find the URL that you will use to access the API for your application, click **API Endpoint**.



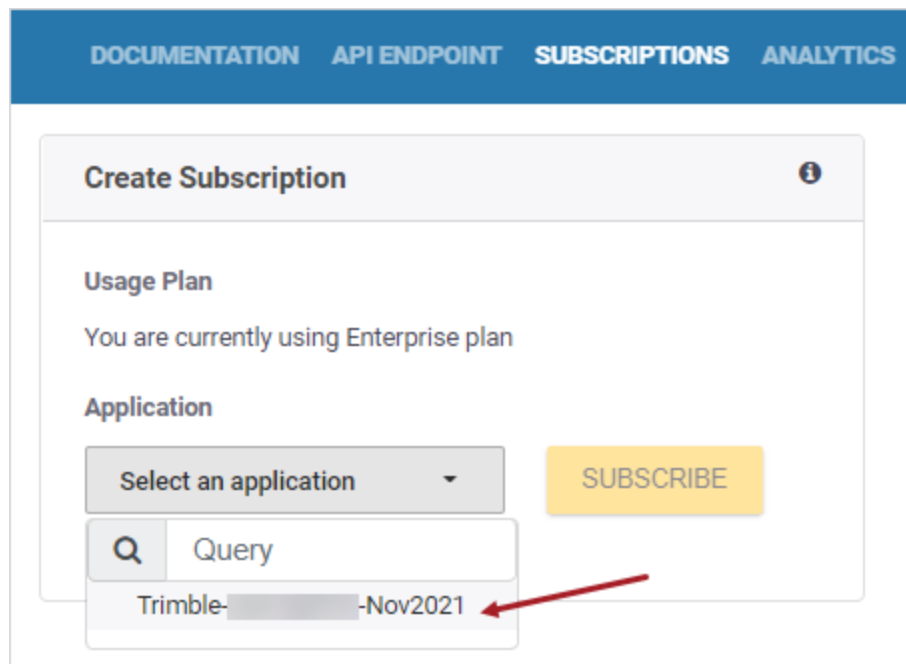
To download the OpenAPI specification

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

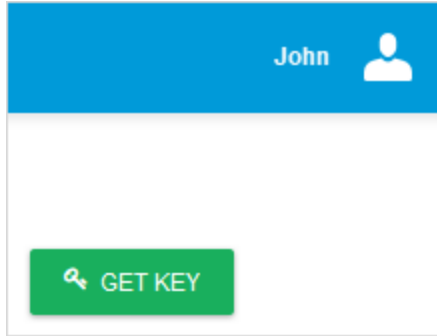


To reset the consumer key and consumer secret

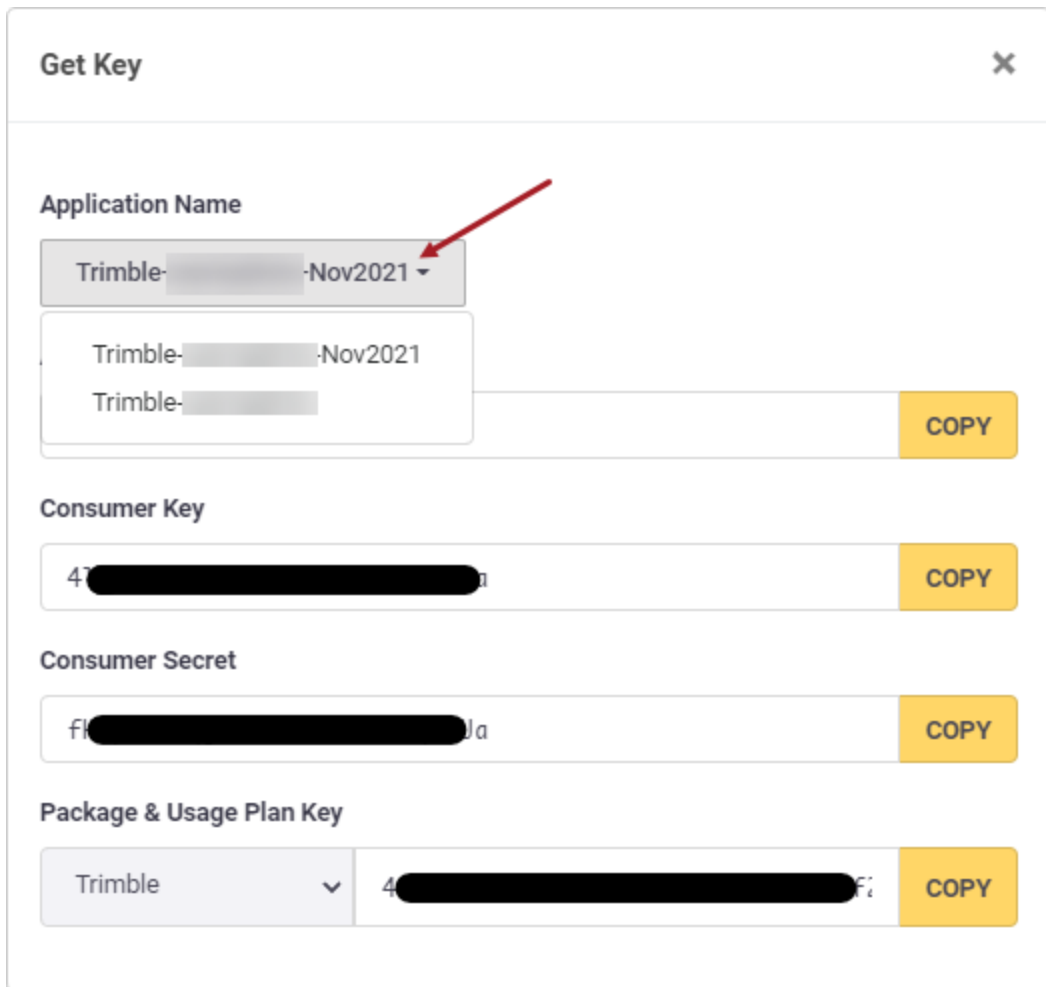
1. Ask Trimble Support to create a new application in API Cloud.
2. Subscribe to the new application, and use its consumer key and consumer secret for your ProjectSight integrations.
 - a. Sign in to [API Cloud](#), and click **ProjectSight** or **ProjectSight-EU**.
 - b. Click the **Subscriptions**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



- 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.

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

Subscription Details		
Name	Status	Actions
Trimble- [redacted] -Nov2021	ACTIVE	REVOKE KEY
Trimble- [redacted]	ACTIVE	REVOKE KEY 

Supported features

Record types

The following [record types](#) are supported:

- Account
- ActionItem
- ApplicationForPayment
- Budget
- BudgetCodeStructure
- BudgetGroup
- BudgetSnapshot
- ChangeOrderRequest
- Checklist
- Company
- Contract
- ContractInvoice
- DailyReport
- Drawing
- DrawingSet
- FieldWorkDirective

- File
- Folder
- Forecast
- GeneralInvoice
- Issue
- JobCosts
- LookupList
- Meeting
- Notice
- Photo
- POCatalog
- Portfolio
- PotentialCO
- PrimeContractCO
- Project
- PunchList
- PurchaseOrder
- Records
- ReportGenerator
- RFI
- Role
- SafetyNotice
- SubContractCO
- Submittal
- SubmittalPackage
- Transmittal
- User
- WorkflowStates

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.