

# PROJECTSIGHT

## API DOCUMENTATION

# 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](mailto:ProjectSightAPISupport@trimble.com).

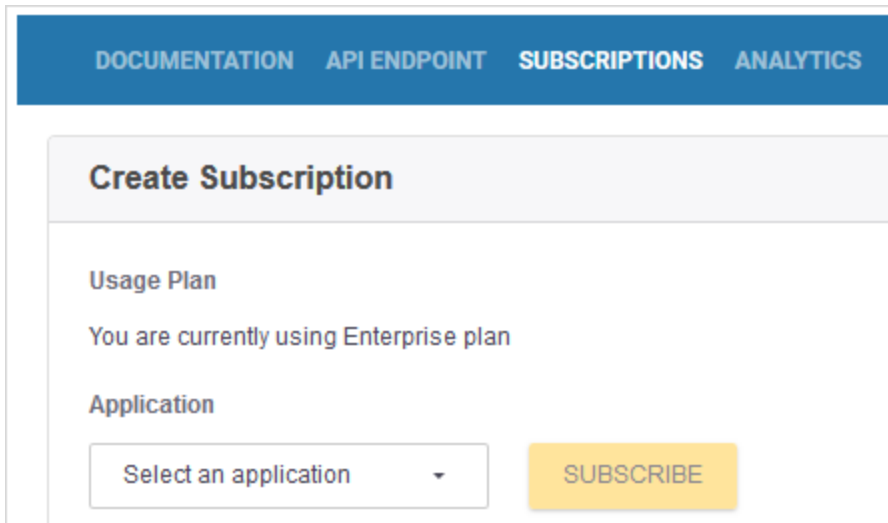
After you register your application, you can subscribe it to the API and then acquire a security token. The token is associated with your Trimble account credentials and is valid for the period of time that's defined in the [token response](#).

## 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, select **ProjectSight** or **ProjectSight-EU**.
3. Select **Subscriptions**.
4. In the **Create Subscription** section, select your application, and then select **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 with a dropdown menu labeled "Select an application" and a yellow "SUBSCRIBE" button.

## To acquire a security token

1. In [API Cloud](#), select **ProjectSight** or **ProjectSight-EU**.
2. Select **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 (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

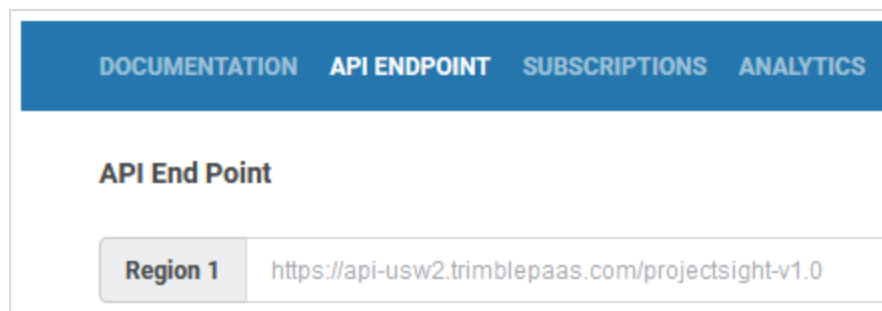
grant_type=client_credentials
scope=Trimble-ProjectSightApp1
```

**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.

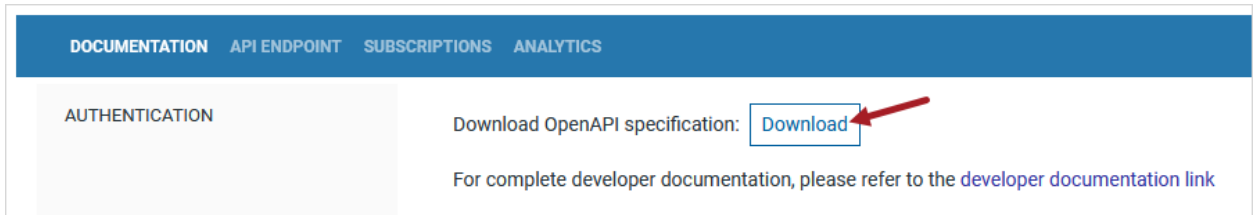
### To make an API request

1. In [API Cloud](#), select **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, select **API Endpoint**.



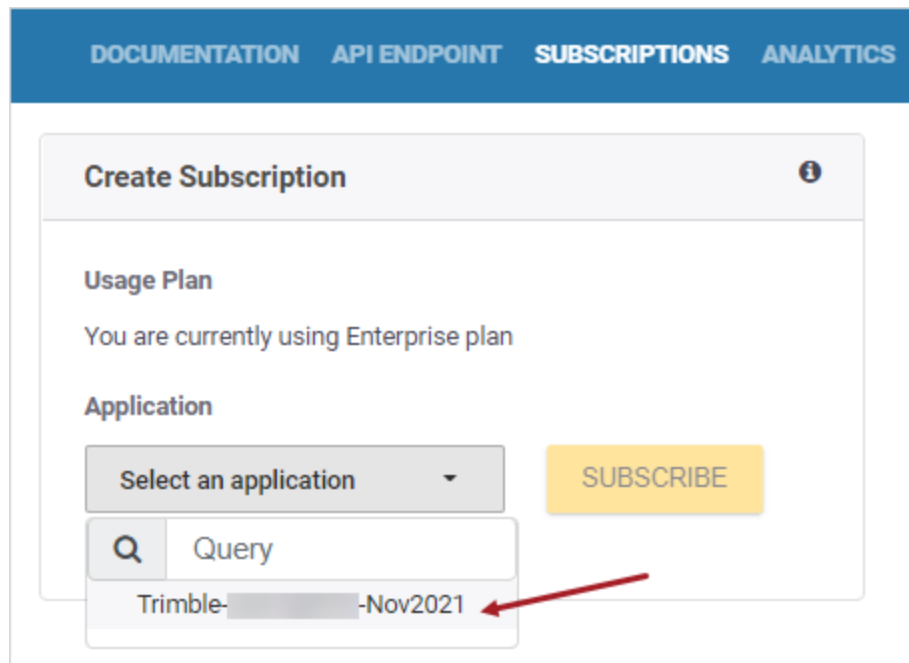
### To download the OpenAPI specification

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

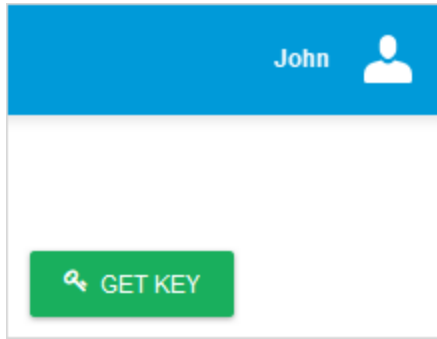


### To reset the consumer key and consumer secret

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 select **ProjectSight** or **ProjectSight-EU**.
  - b. Select the **Subscriptions** tab.
  - c. In the **Create Subscription** section, select the new application and then select **Subscribe**.



- d. Select **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 the following sections:

- Application Name:** A dropdown menu showing 'Trimble- [redacted] -Nov2021'. A red arrow points to this dropdown. Below it is a list of application names: 'Trimble- [redacted] -Nov2021' and 'Trimble- [redacted]'. To the right of the list is a yellow 'COPY' button.
- Consumer Key:** A text field containing '4[redacted]n' with a yellow 'COPY' button to its right.
- Consumer Secret:** A text field containing 'fl[redacted]la' with a yellow 'COPY' button to its right.
- Package & Usage Plan Key:** A dropdown menu showing 'Trimble' and a text field containing '4[redacted]f' with a yellow 'COPY' button to its right.

- 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, select **Revoke Key** beside the old application.

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

## Rate limits

Based on updated guidance from Trimble Cloud, you don't need to pass the x-API-key to the trimblepaas.com endpoints. If you do pass it, there is a limit of 50 requests per second.

## 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.