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.

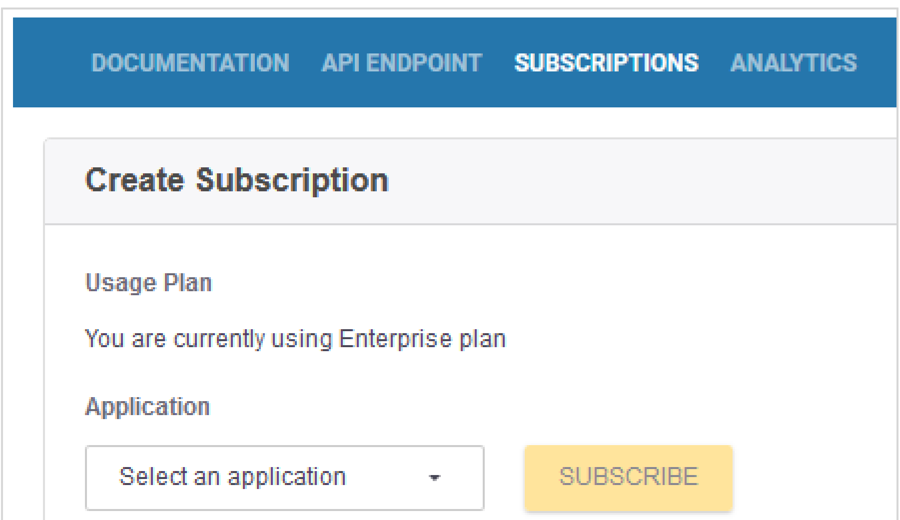
After you register your application, you can subscribe it to the API and then acquire a security token. The token is associated with your Trimble account credentials and is valid for the period of time that's defined in the token response.

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

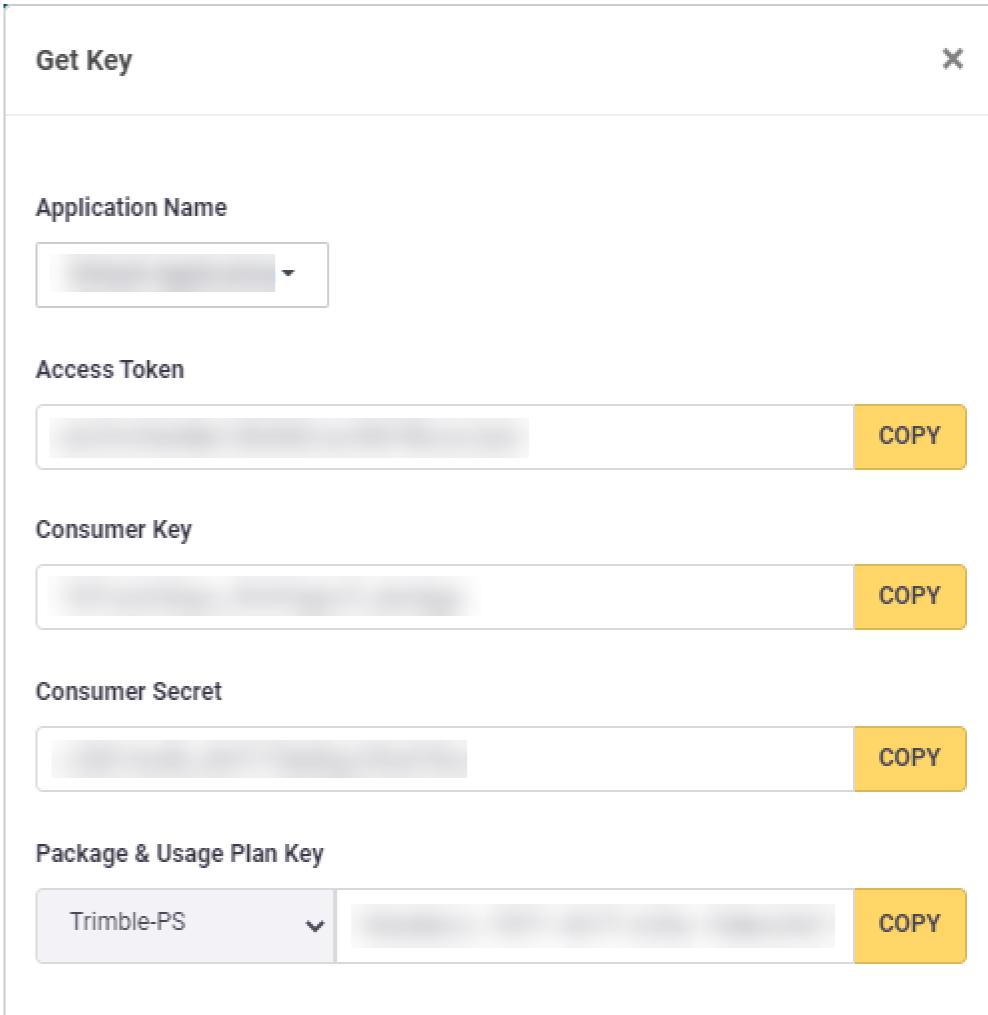
1. Sign in to API Cloud with your Trimble account.
2. On the **Discover API** page, click **ProjectSight** or **ProjectSight-EU**.
3. Click **Subscriptions**.
4. In the **Create Subscription** section, select your application, and then click **Subscribe**.



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



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:

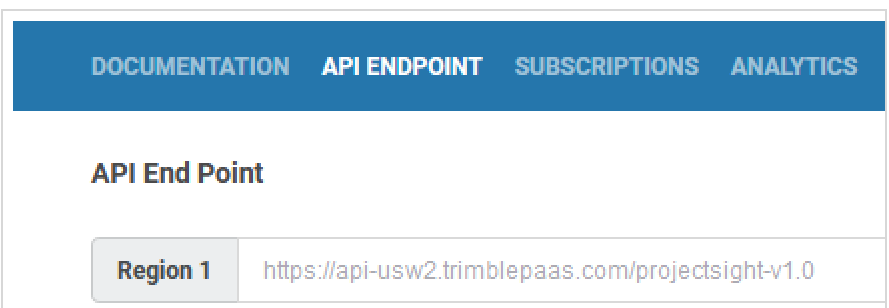
```
POST https://id.trimble.com/oauth/token/
Authorization: Basic TE9pU...
Content-Type: application/x-www-form-urlen-
coded
Accept: application/json
Cache-Control: no-cache

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.

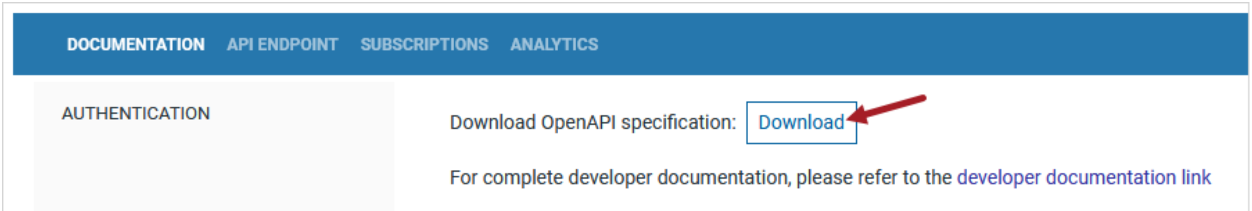
To make an API request

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**.



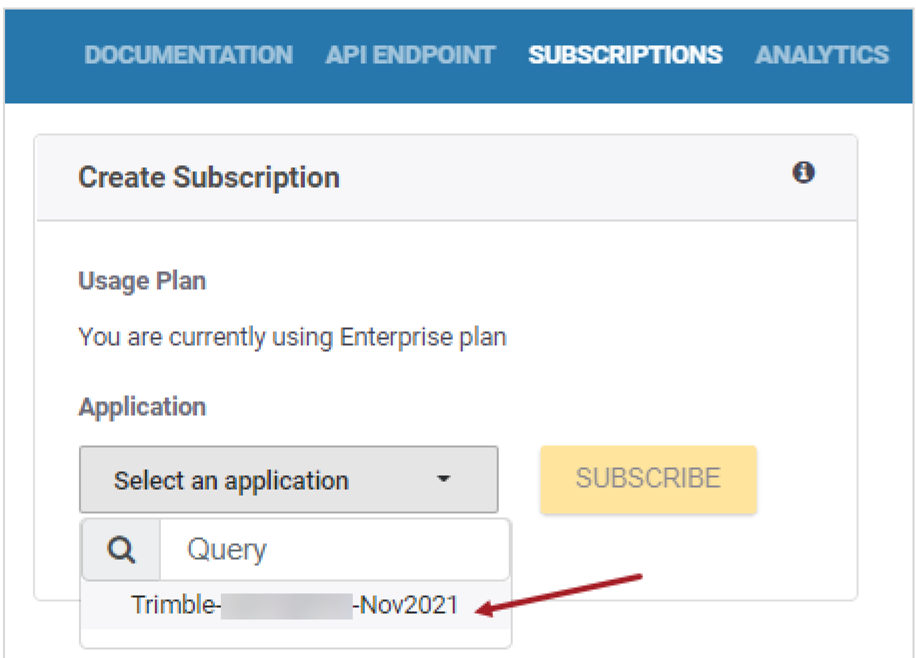
To download the OpenAPI specification

- On the **Documentation** page of ProjectSight or ProjectSight-EU, click **Download**.

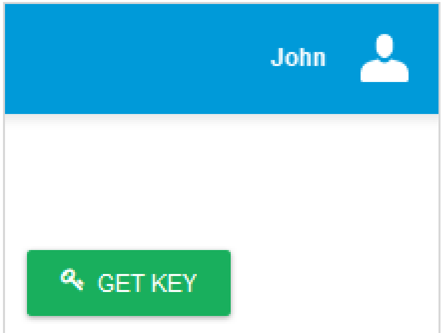


To reset the consumer key and consumer secret

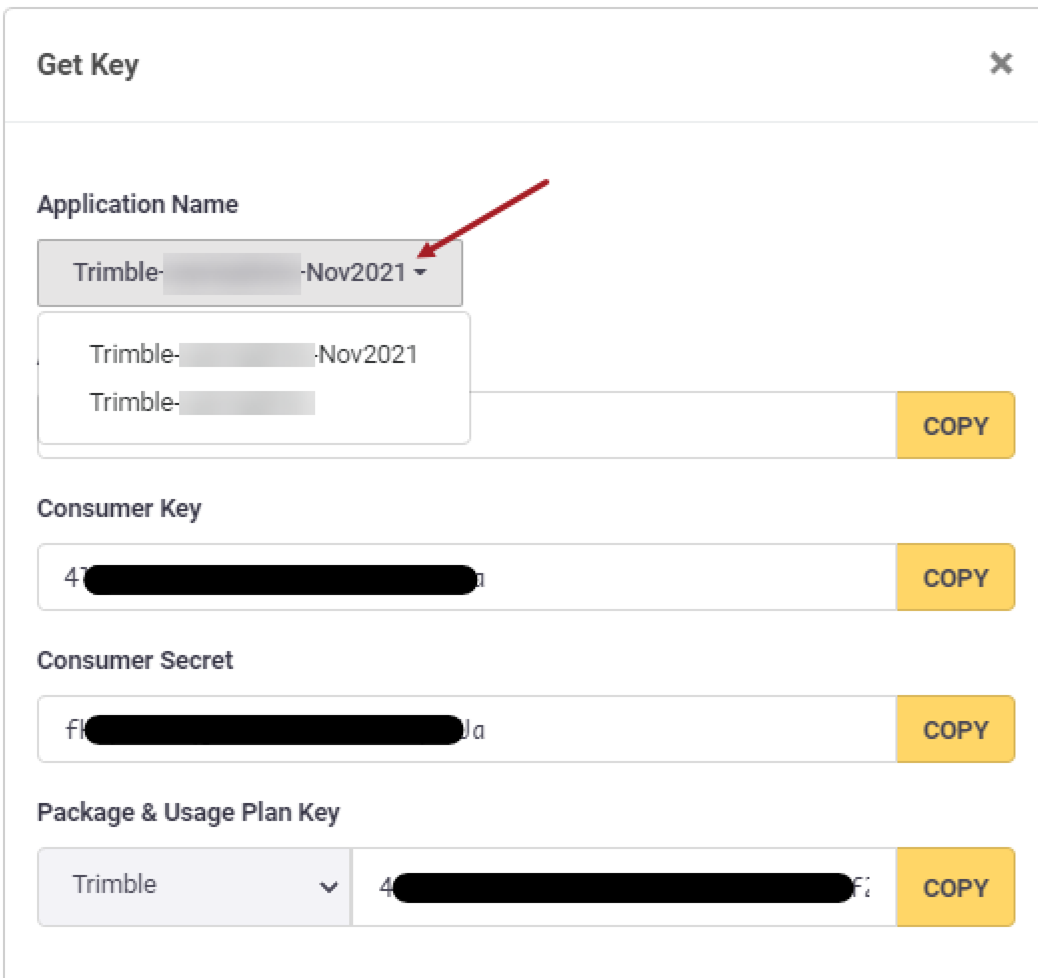
1. Ask Trimble Support to create a new application in API Cloud.
2. Subscribe to the new application, and use its consumer key and consumer secret for your ProjectSight integrations.
   a. Sign in to API Cloud, and click **ProjectSight** or **ProjectSight-EU**.
   b. Click the **Subscriptions** tab.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



   d. Click **Get Key**.



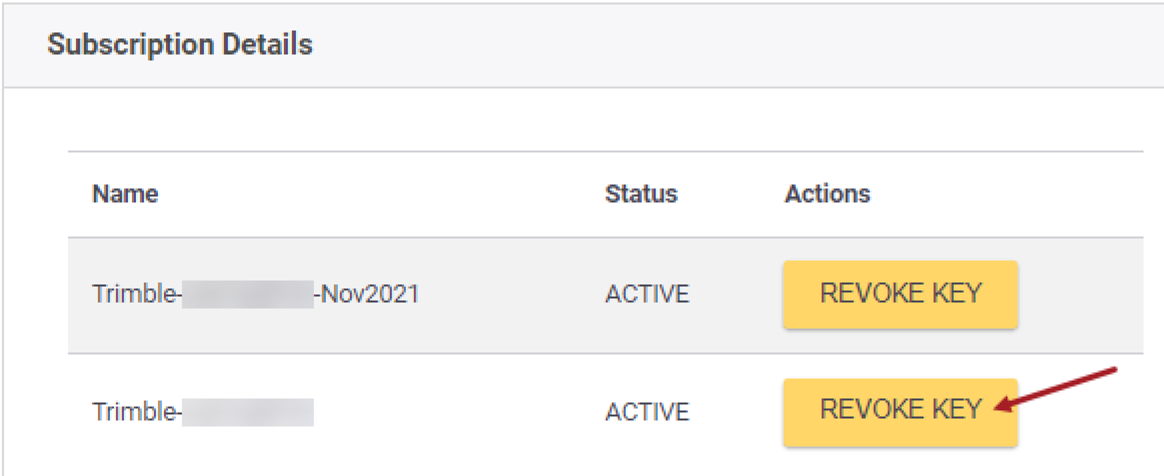
e. To view and copy the consumer key and consumer secret for the new application, select the new application from the list.



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.

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



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.