

Configure JSON Web Token (JWT) Authentication for Tableau Plugin

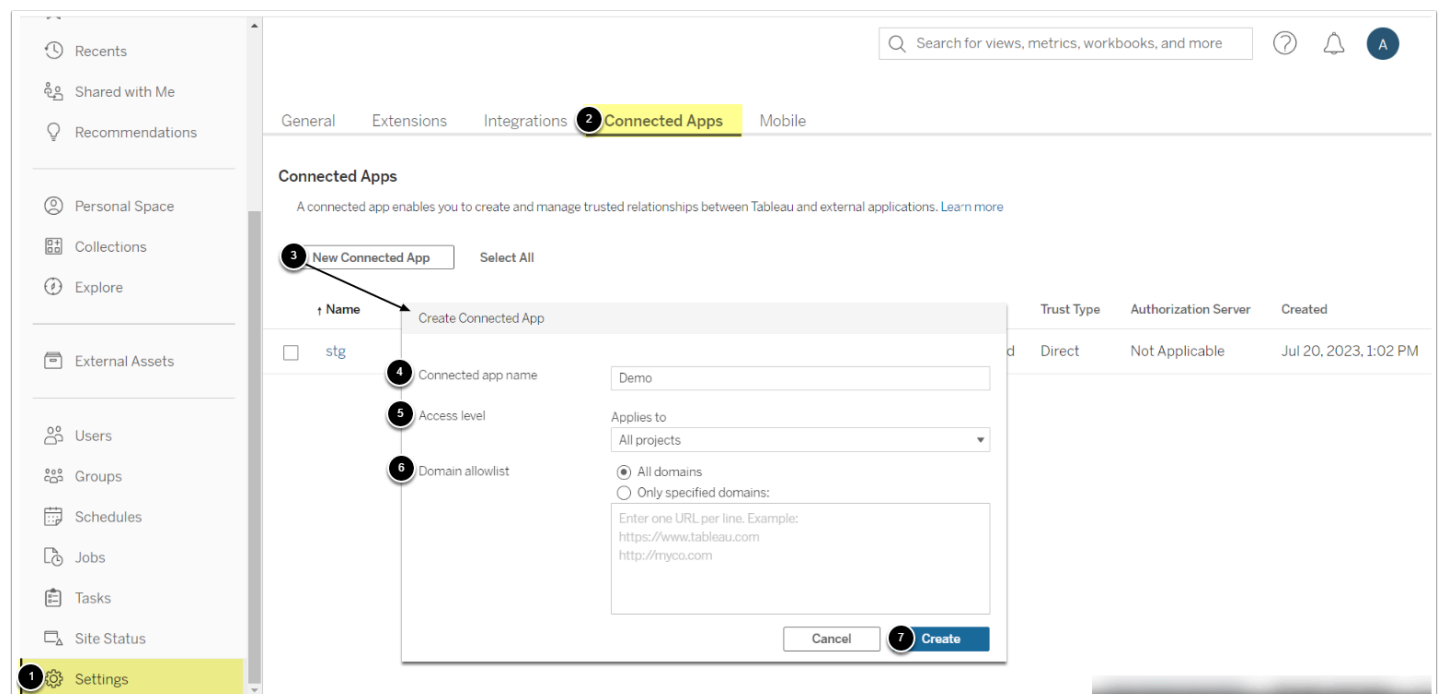
This article provides instructions on how to configure Tableau auth with a JSON Web Token (JWT).

NOTE:

- JWT Authentication **works only for embedding**. For the actual Tableau API integration, use one of the following options:
 - Username/Password;
 - Identity Profile;
 - Personal Access Token.
- JWT Authentication is available only for Tableau 2022.1 and later.

1. Add New Connected App

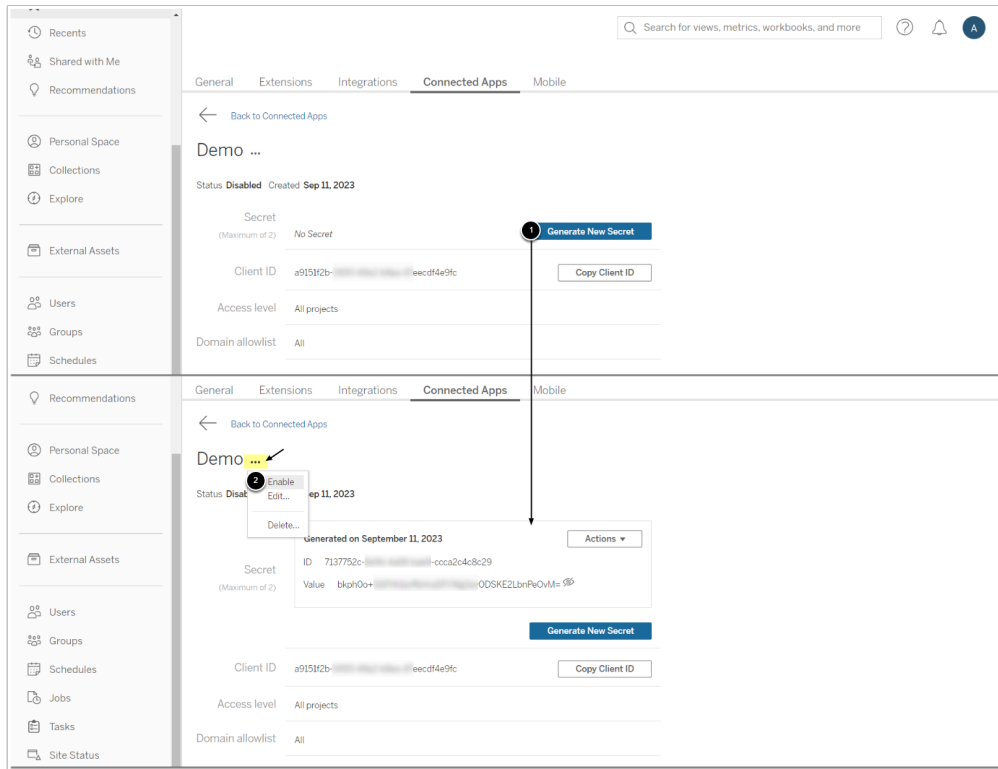
Access Tableau Home



1. Go to **Settings**
2. Access the **Connected Apps** tab
3. Click **[New Connected App]**

4. Provide a descriptive **Connected app name**
5. Specify **Access level**. You can choose to connect to all projects or to specific ones
6. Define **Domain allowlist** if you need to limit access to content for specific domains
7. **[Create]**

2. Generate New Secret and Enable the App



1. **[Generate New Secret]**
2. Access the menu to **Enable** the application

3. Save Parameter Values in Tableau Data Source

The screenshot shows the 'Connected Apps' section in the Tableau Data Source configuration. It displays a 'Demo' app with the following details:

- Generated on September 11, 2023
- Status: Disabled, Created: Sep 11, 2023
- App Secret ID: 7137752c-1a0c0a2c4d8c2c
- App Secret: 1a0c0a2c4d8c2c1a0c0a2c4d8c2c
- App Client ID: a91512b1-1a0c0a2c4d8c2c
- Client ID: a91512b1-1a0c0a2c4d8c2c
- Access level: All projects
- Domain allowlist: All

An arrow points from the 'App Client ID' field in the top section to the 'Connected App Client ID' field in the 'Plugin Connection Profile Parameters' table below. The table lists various parameters with their values and descriptions.

Variable	Value	Description
Base URL		When constructing the URL for a Tableau object, this parameter is used for the hostname portion. The full URL is c...
Attempts		Define the number of attempts to refresh data
Auth Method	default	Values can be 'default' (standard secure Tableau Auth), 'trusted' (advanced Tableau Trusted Auth) or 'token' (use P...
Private Key Passphrase		Passphrase for the private key for SSL authentication
Connected App Client ID	a91512b1-1a0c0a2c4d8c2c	Connected App Client ID
Connected App Secret	1a0c0a2c4d8c2c1a0c0a2c4d8c2c	Connected App Secret
Connected App Secret ID	7137752c-1a0c0a2c4d8c2c	Connected App Secret ID
Force refresh cache	false	If set to 'true', use the Tableau parameter 'refresh=yes' to force a fresh workbook data query instead of pulling the...
Data expiration	900	Expiration period for data in report. Used together with Force refresh cache, 900 seconds by default
Timeout		Set the timeout in milliseconds; requests will only be processed within this limit
Include device layouts metadata	false	Collects device layouts created for the dashboard (Phone, Desktop, Tablet). It can take more time, cause of downlo...
Include metadata	true	If set to 'true', refreshing objects will collect additional metadata as follows: Workbook description, Project name, O...
Include Update Time	true	Includes dataset last update time into workbook
Content loading strategy		This setting will only impact collection of views. Workbooks must be collected via the REST API
Maximum iterations for single data fetch	200	Maximum iterations for single data fetch
Type of object		When left empty, all objects are returned. If 'Workbook' is specified, views are excluded from the object list and onl...
Primary Date Format		A Java date format string used to parse date values from Tableau, for example 'yyyy-MM-dd hh:mm:ss' for '2015-0...
Project List (Comma-Separated)		Limit the projects that can be seen and used in full element creation from Tableau data source
Token		Parameter for Personal Token Auth
Token name		Parameter for Personal Token Auth
Use Custom Views	false	If set to 'true' Refresh Views will return customized views in addition to the views. See Tableau docs for 'custom vie...
Validate SSL Certificates	N	Whether or not to verify SSL server certificates

Copy the required Parameter values to Tableau Data Source and save your changes

⚠ IMPORTANT:

- Username in MI must exactly match the one on the Tableau side **OR** must be specified in User Editor under **Username for Trusted Server Sign-on**.
- To create an External Report with the JWT auth:
 - **Intermediate Page** for Tableau External Report Type must be set to "**Tableau JWT**";
 - **URL template** in the Tableau External Report Editor must be set to "**Tableau Workbooks**".