Authenticating Requests with a Global Token

This page describes how to authenticate your REST API calls when using Sisense version 5.8 and earlier and provides examples of how to connect with HTTP request tools such as Postman and cURL.

For Sisense version 5.8 and earlier, you can use the Global Token located in the Admin page of the Sisense Web Application.The token lets the server verify your identity.

For versions of Sisense later than 5.8, see Using the REST API for information about authenticating requests.

To retrieve the Global Token for authenticating requests :

1. In the Sisense Web Application, select **Admin** > **REST API**.
2. Click **REST API Reference** to view the list of operations and API documentation.
3. Access the endpoint in v0.9 of the REST API at /settings/api to return your API key.
   OR
   access the /settings/api/generate endpoint to generate a new API key.
4. To pass the token, add it to the X-Api-Key header (X-Api-Key: XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX) with the following attributes:

Attribute	Mandatory	Description
iat	Yes	Issued At. The time the token was generated. The value must be the number of seconds since UNIX epoch. Sisense allows up to 5 minutes clock skew. **Note:** The date must be an **integer** and not a **float**.
email	Yes	Email of the Admin user initiating the request, used to uniquely identify the Admin user in Sisense.
password	Yes	Password of the Admin user initiating the request, used to validate the Admin user in Sisense.
exp	No	Expiration time of the token. After that time the token becomes invalid and all corresponding requests will fail.If not present, the token will expires after one week.The value must be the number of seconds since UNIX epoch.
aud	No	Intended audience for this token. The value can be a collection of strings or a single string; if present, it must contain the string “sisense” (lowercase).

Using an HTTP request tool

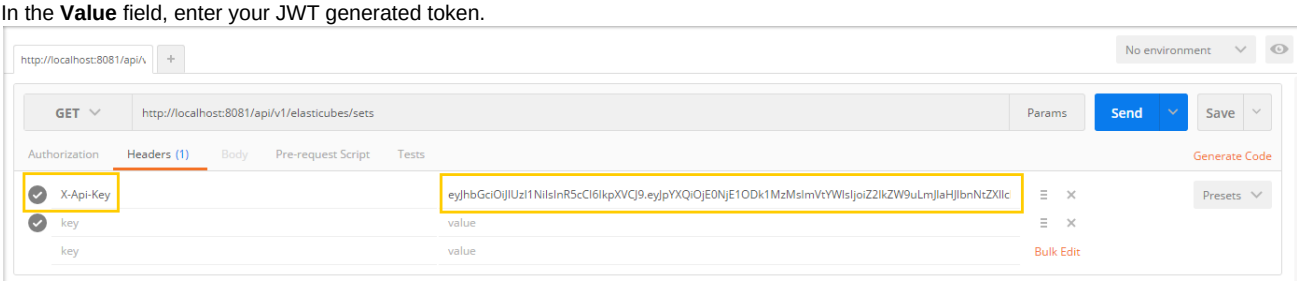
Postman

Sisense recommends Postman , which is a Chrome extension that lets you run HTTP requests using a comfortable GUI. The HTTP requests can be executed to view the result, or saved as code snippets in a variety of programming languages.

1. Select the method type and enter the endpoint in the URL field.

2. Under the Header tab, in the **Key** field, enter **X-Api-Key**.

3. In the **Value** field, enter your JWT generated token.



4. Click **Send**. The response is displayed in the Body area.

cURL

You can also use cURL from command line, or any other tool that can run HTTP requests with your headers and data. The version of Sisense you are using determines the type of authorization header you must include in your call to the REST API in cURL.

You must include a JWT encoded token that includes your Global Token.

```
C:\>curl -X GET --header "Accept: application/json" "http://localhost:8081/api/dashboards" --header "X-Api-Key: eyJhbGciOiJIUzI1NiIsInR5cCI6I
```