Use the REST API

You can access and use the API endpoint URI (https://api.redislabs.com/v1) with any of the following tools:

- The Swagger user interface
- The cURL HTTP client
- An HTTP client in any programming language

Swagger user interface

The Swagger UI is useful for initial introduction and for learning about API operations, models, and simulated usage.

Authenticate to Swagger

To authenticate to the Swagger UI:

1. Open the Swagger UI page in a browser.

2. Select Authorize.

   The Available Authorizations box is shown with the headers and values that are used for authentication in all API interactions with Swagger.

3. Insert the API Key values:
1. Enter the **Account Key** as the `x-api-key` value and then choose **Authorize**.
2. Enter the **Secret Key** as the `x-api-secret-key` value and then choose **Authorize**.
3. Select **Close**.

| Note: The key values are not saved when you refresh the page.

When authorization is successful, the lock icon displays a closed lock.

**Authorize**

**Make API requests**

After you complete the authorization in the Swagger UI, you can make an API request:

1. Open an action category and select an API operation.

   For example, in the Account category select the **GET /payment-methods** operation.

2. Select **Try it out** and then select **Execute**.

   The API response is shown in the **Responses** section of the API operation. The results include an example of how to execute the same operation in a standard command-line utility using **cURL**.
Inputs for operations in Swagger

Some API operations require input, such as:

- **Parameters** - When an API operation requires URI parameters, such as "get subscription by subscription id", you can enter the values for the parameters.

- **JSON Request Body** - For API operations that require a JSON request body, you can either:
  - Use the model display to write the request based on the expected JSON structure and parameters.
Use the Try it now sample JSON created by Swagger as a base template that you can edit and execute.

**Warning** - The Swagger UI generates default JSON examples for POST and PUT operations. You should modify these examples to suit your specific needs and account settings. The examples will fail if used as-is.

For more examples showing how to use specific endpoints, see REST API examples.

**Use the cURL HTTP client**

cURL is a popular command line tool used to perform HTTP requests, either as individual commands or within shell scripts (such as bash and zsh). For an introduction, see How to start using cURL and why: a hands-on introduction.
For example, a standard API call to get System Log information looks like this in cURL:

```bash
curl -s -X GET "https://$HOST/logs" \
-H "accept: application/json" \
-H "x-api-key: $ACCOUNT_KEY" \
-H "x-api-secret-key: $SECRET_KEY" \
| jq -r .
```

- The example expects several variables to be set in the Linux shell:
  - `$HOST` - The URI of the REST API host (api.redislabs.com/v1)
  - `$ACCOUNT_KEY` - The account key value
  - `$SECRET_KEY` - The personal secret key value

- The line `| jq -r .` means that the HTTP response will be piped (forwarded) to the ```jq``` JSON parser, and it will display only the raw output (`"-r"`) of the root element (".")

- You can set the variables using shell commands like the following:

```bash
export HOST=api.redislabs.com/v1
export ACCOUNT_KEY={replace-with-your-account-key}
export SECRET_KEY={replace-with-your-secret-key}
```

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