

How to request an Apigee Token

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1. Preamble

This document describes how to request a Client Credentials token from the Apigee APIM platform.

2. Scope

Requesting a token in non-production and production environments.

3. Out of Scope

Other OAuth grant types.

4. Token URLs

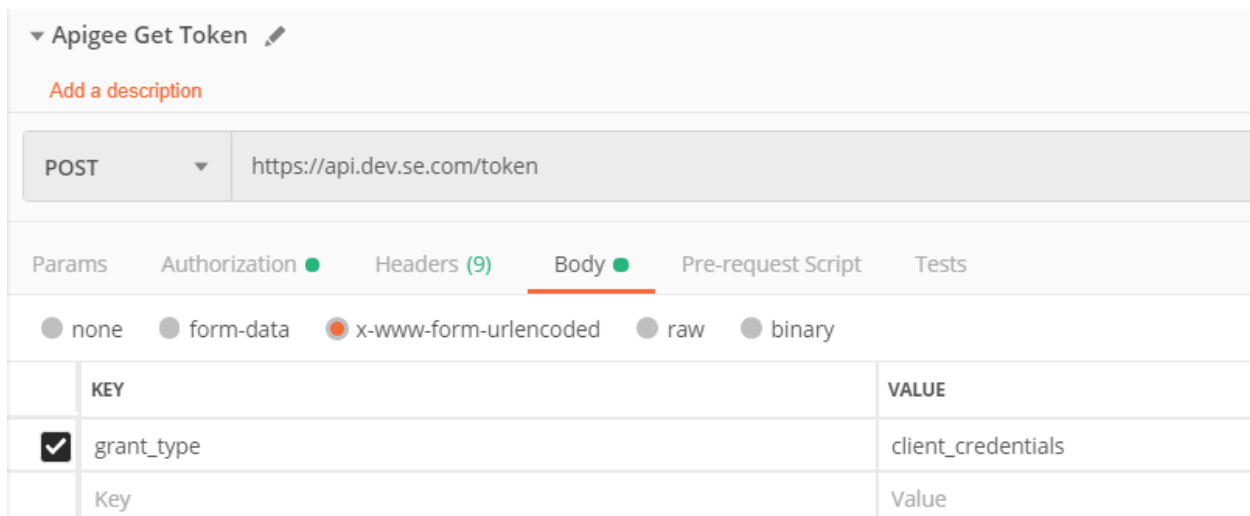
Environment	Token URL
Explore	https://api.explore.se.com/token
Dev	https://api.dev.se.com/token
Qa	https://api.qa.se.com/token
Prod	https://api.se.com/token


5. Request Token Using Postman

Select POST and enter the relevant URL for the environment.

From the Body tab, click on radio button x-www-form-urlencoded.

Manually enter Key and Value, “grant_type” and “client_credentials”.



▼ Apigee Get Token 

[Add a description](#)

POST ▼ <https://api.dev.se.com/token>

Params Authorization Headers (9) Body Pre-request Script Tests

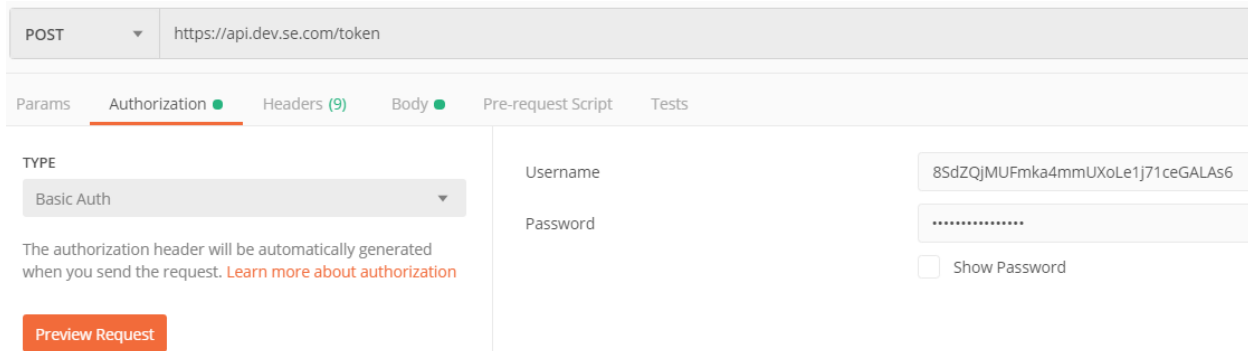
none form-data x-www-form-urlencoded raw binary

KEY	VALUE
<input checked="" type="checkbox"/> grant_type	client_credentials
Key	Value

From the Authorization tab, select Type “Basic Auth”.

Set Username to the **client key** (provided to you by the APIFIRST team offline).

Set Password to the **client secret** (provided to you by the APIFIRST team offline).



POST https://api.dev.se.com/token

Params **Authorization** Headers (9) Body Pre-request Script Tests

TYPE
Basic Auth

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Preview Request

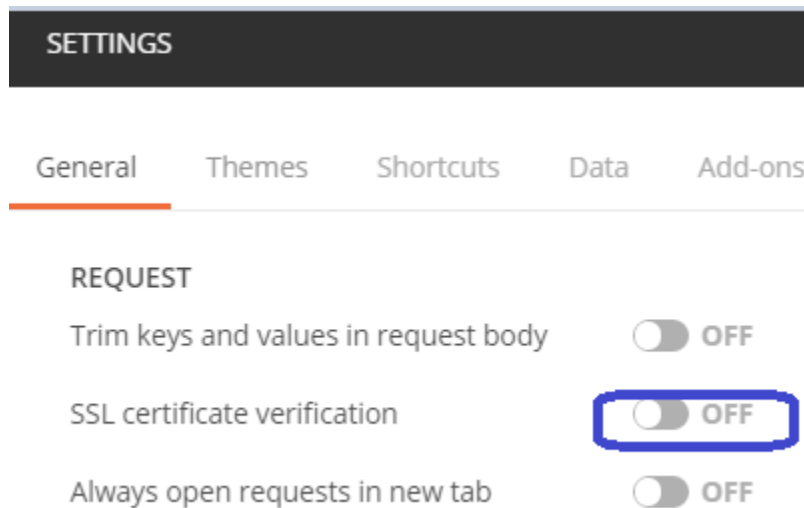
Username: 8SdZQjMUFmka4mmUXoLe1j71ceGALAs6

Password:

Show Password

Make sure that the following setting is disabled.

Settings à General à “SSL Certification Verification” option **disabled**



SETTINGS

General Themes Shortcuts Data Add-ons

REQUEST

Trim keys and values in request body OFF

SSL certificate verification OFF

Always open requests in new tab OFF

Send request and retrieve value of **access_token** from the response message.

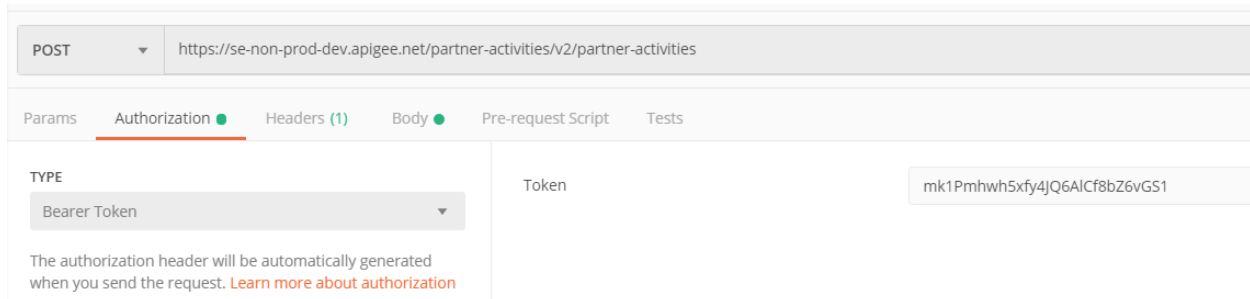
```
{
  "refresh_token_expires_in": "0",
  "api_product_list": "[HMI APC Transaction, Partner-Activities]",
  "api_product_list_json": [
    "HMI APC Transaction",
    "Partner-Activities"
  ],
  "organization_name": "se-non-prod",
  "developer.email": "SESA86678@se.com",
  "token_type": "BearerToken",
  "issued_at": "1564511302538",
  "client_id": "8Sd70iMUEmka4mmUXoLe1i71ceGALAs6",
  "access token": "0Q1NYZk4oMuV7rmbRgsBr0Hakm8J",
  "application_name": "95caba65-c2fd-4a1f-921b-bad47388cf3f",
  "scope": "",
  "expires_in": "17279999",
  "refresh_count": "0",
  "status": "approved"
}
```

6. Submit Token in an API Call Using Postman

Submit the token in a subsequent API call as follows.

From Postman Authorization tab, select type Bearer Token.

Set Token to the value of the access_token.



The screenshot shows the Postman interface for an API call. The method is POST and the URL is https://se-non-prod-dev.apigee.net/partner-activities/v2/partner-activities. The Authorization tab is selected, showing a dropdown menu set to "Bearer Token". Below the dropdown, there is a text input field labeled "Token" containing the value "mk1Pmhwh5xfy4JQ6AlCf8bZ6vGS1". A note below the dropdown states: "The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)".

7. Request Token Using CURL

Alternatively request a token using the Curl command. However, before executing it, the provided client key and secret need to be base64-encoded by entering them into this web app.

<https://www.base64encode.org/>

Encode to Base64 format

Simply use the form below

8SdZQjMUFmka4mmUXoLe1j71ceGALAs6:c4429NkULKqQBBC0

Client Key Client Secret

To encode binaries (like images, documents, etc.) upload your data via the [file encode form](#) below.


UTF-8 Destination charset.

LF (Unix) Newline separator.

Split lines into 76 character wide chunks (useful for MIME).

Live mode OFF Encodes in real-time when you type or paste (supports only unicode charsets).

> ENCODE < Encodes your data into the textarea below.

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Learn to design, secure, & analyze APIs that developers love.

OFNkWiFqTVVgBwthNG1tVVhvTGUXajcxY2VHQUXBczY6YzQ0MjIOa1VMS3FRQkJDMA==

Encoded value

Take the encoded value and enter it in the Authorization header.

```
curl -X POST \
```

```
https://api.dev.se.com/token \
```

```
-H 'Accept: */*' \
```

```
-H 'Authorization: Basic
```

```
OFNkWiFqTVVgBwthNG1tVVhvTGUXajcxY2VHQUXBczY6YzQ0MjIOa1VMS3FRQkJDMA==' \
```

```
-d grant_type=client_credentials
```

Note that Postman performs this the above encoding automatically.

8. Submit Token in an API Call Using CURL

Alternatively submit the token in a subsequent API call using Curl as follows.

```
curl -X POST \
```

```
https://api.dev.se.com/partner-activities/v2/partner-activities \
```

```
-H 'Accept: */*'
```

```
-H 'Authorization: Bearer mk1Pmhwh5xfy4JQ6AICf8bZ6vGS1'
```

```
-d '{
```

```
"queryFromDate":"2019-06-01T23:31:59.000Z"
```

```
}'
```

9. Token Expiry

Token will remain **valid for up to 1 hour** in the Production environment, after which a new one needs to be requested.

The expiry period configured in non-production environment can be seen in the response message "expires_in" fields which is a value in milliseconds. Currently it **defaults to 7 days**.