How to request an Apigee Token

Contents

1. **Preamble** 2
2. **Scope** 2
3. **Out of Scope** 2
4. **Token URLs** 2
5. **Request Token Using Postman** 2
6. **Submit Token in an API Call Using Postman** 4
7. **Request Token Using CURL** 4
8. **Submit Token in an API Call Using CURL** 5
9. **Token Expiry** 6

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

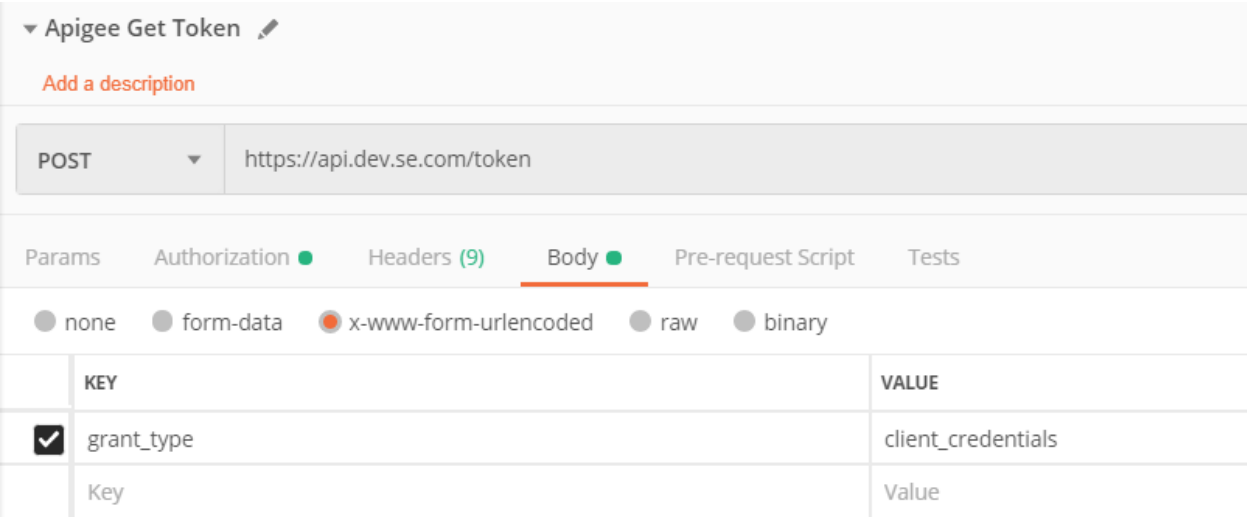
Environment	Token URL
Explore	https://api.explore.se.com/token
Dev	https://api.dev.se.com/token
Qa	https://api.qa.se.com/token
Prod	https://api.se.com/token

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.

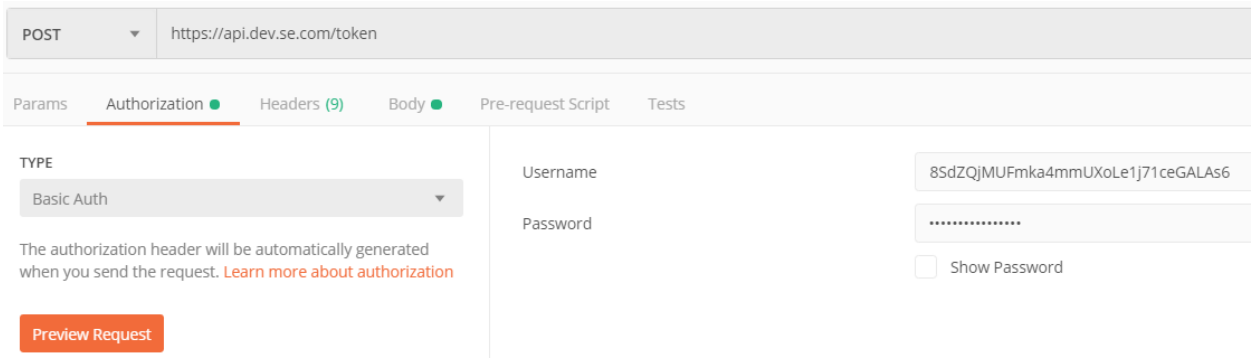
Manually enter Key and Value, “grant_type” and “client_credentials”.



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

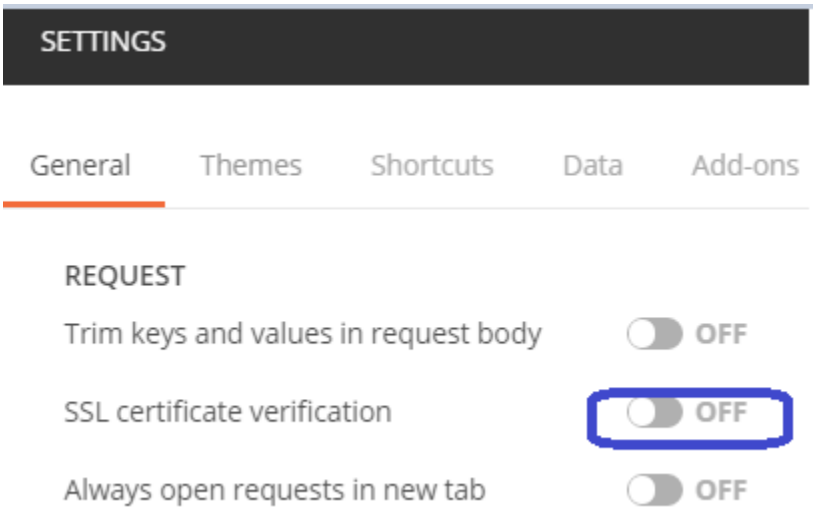
Set Username to the **client key** (provided to you by the APIFIRST team offline).

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



Make sure that the following setting is disabled.

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



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

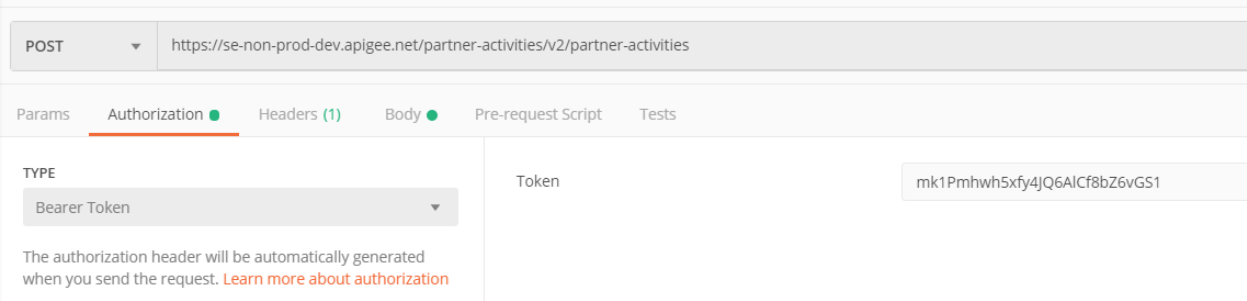
```
{
    "refresh_token_expires_in": "0",
    "api_product_list": "[HMI APC Transaction, Partner-Activities]",
    "api_product_list_json": [
        "HMI APC Transaction",
        "Partner-Activities"
    ],
    "organization_name": "se-non-prod",
    "developer.email": "SESA86678@se.com",
    "token_type": "BearerToken",
    "issued_at": "1564511302538",
    "client_id": "8SdZOjWUEmka4mmUXoLe1jZ1ceGALAs6",
    "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.



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/

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 OFNkWlFqTVVGbWthNG1tVVhvTGUxajcxY2VHQUxBczY6YzQ0MjlOa1VMS3FRQkJDMA==' \

-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 mk1Pmhwh5xfy4JQ6AlCf8bZ6vGS1'
  -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**.