

ADVANCE.AI

TOKEN AUTHENTICATION METHOD API DOCUMENT

Background: The current authentication method with a single X-ADVAI-KEY, or known as Official Access Key, is obtained only once and is valid for use without timeout. This makes it vulnerable to security breaches. As part of our efforts to strengthen technical security, ADVANCE.AI's X-ADVAI-KEY will be replaced with a new approach of X-ACCESS-TOKEN authentication. This API Document serves as a guide to integrate with TOKEN method.



X-ACCESS-TOKEN Readme

Request Parameters:

Parameter	Description
accessKey	string the accesskey
signature	string accessKey, secretKey and timestamp by SHA256 encrypt
timestamp	string 13 digit timestamp, 300 seconds before and after current time
periodSecond	string optional Validity period defaults to 3600 seconds, minimum 60 seconds, maximum 86400 seconds. Unit is seconds

Note:

- You can find accessKey, secretKey on the Websaas Dashboard
- The timestamp in the “signature” must be consistent with parameter timestamp

Request URL:

- **Indonesia:** <https://api.advance.ai/openapi/auth/ticket/v1/generate-token>
- **India:** <https://in-api.advance.ai/in/openapi/auth/ticket/v1/generate-token>
- **Malaysia:** <https://my-api.advance.ai/my/openapi/auth/ticket/v1/generate-token>
- **Philippines:** <https://ph-api.advance.ai/ph/openapi/auth/ticket/v1/generate-token>
- **Singapore:** <https://sg-api.advance.ai/intl/openapi/auth/ticket/v1/generate-token>
- **Thailand:** <https://th-api.advance.ai/th/openapi/auth/ticket/v1/generate-token>
- **Vietnam:** <https://vn-api.advance.ai/vn/openapi/auth/ticket/v1/generate-token>
- **Mexico:** <https://mex-api.advance.ai/mex/openapi/auth/ticket/v1/generate-token>

Method: (application/json)

Response Description:

Parameter	Description
code	Response Status Code
message	Message returned from server

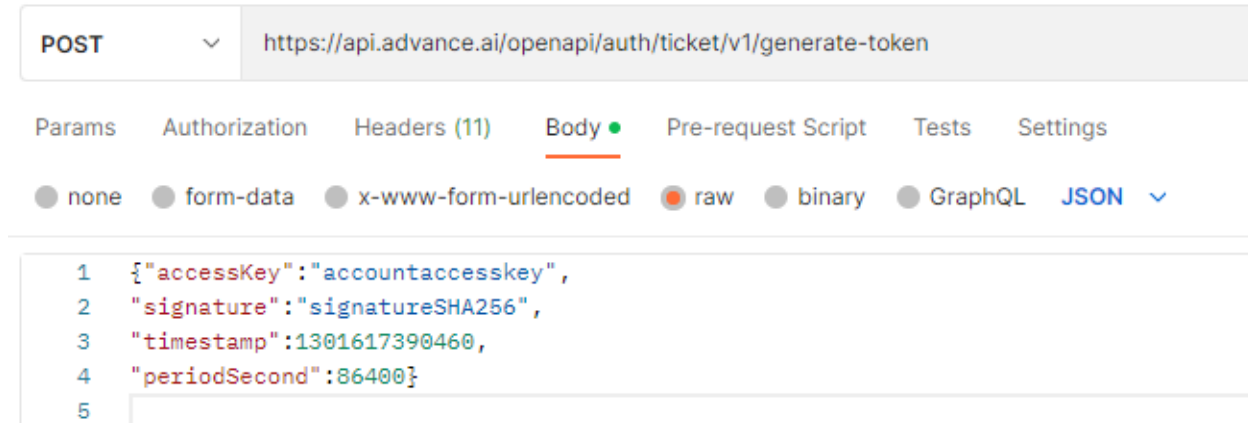
Parameter	Description
data	token accessToken
	expiredTime Expiration timestamp
extra	Extra response info such as exception message
transactionId	the request id, the max length is 64
pricingStrategy	whether the request will be charged, enum type: FREE, PAY

Response Code:

Status Code	Message
SUCCESS	free OK
PARAMETER_ERROR	free Parameter should not be empty
	free Timestamp error
	free Signature error
ACCOUNT_DISABLED	free Account Disabled
CLIENT_ERROR	free HTTP 400 - Bad Request

```
curl -X POST \
-d '{"accessToken":"22*****70b","signature":"f786441e7b3d95f*****853a5a244f9522","timestamp":1648785145789,"periodSecond":120}' \
"https://api.advance.ai/openapi/auth/ticket/v1/generate-token"
```

Sample @ Postman:



Scenario:

`accessKey` = 19f3bfc87cdb9c33

`secretKey` = 440cc5dee302a30b

`timestamp` = 1665683270207 (This is 13 Digits EPOCH Time, check <https://currentmillis.com/>)

Steps:

1. To obtain the signature, combine `accessKey` + `secretKey` + `timestamp`, then encrypt to SHA256.

➔ Result: CombineSignature =
19f3bfc87cdb9c33440cc5dee302a30b1665683270207

Note: CombineSignature is encrypted using SHA256, check:

<https://emn178.github.io/online-tools/sha256.html>

CombineSignature above is encrypted using SHA256 which results in:

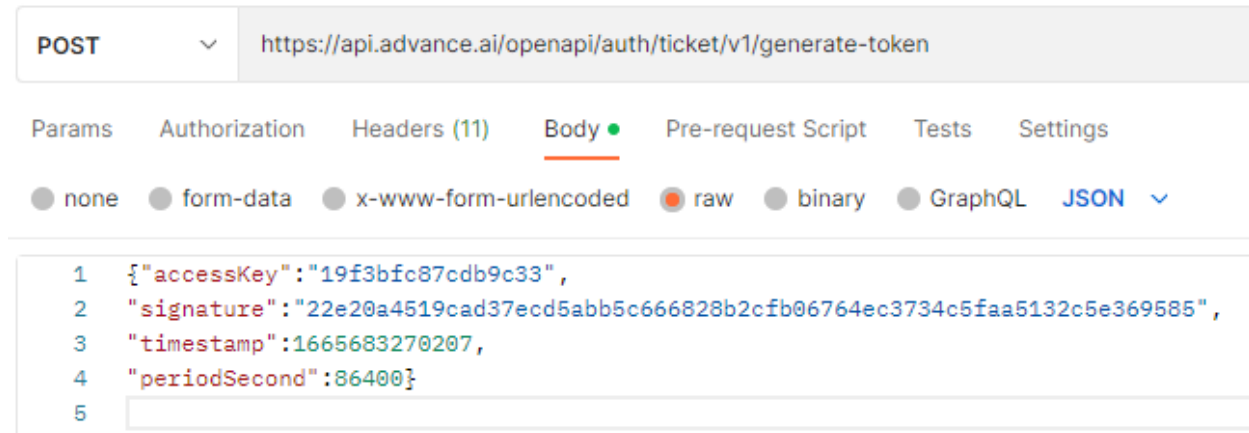
`signature` = 22e20a4519cad37ecd5abb5c666828b2cfb06764ec3734c5faa5132c5e369585

`timestamp` = 1665683270207 ➔ This timestamp must be the same with encrypted timestamp

`periodSecond` = 86400 ➔ Validity period defaults 3600, min 60, max 86400. Unit is in seconds.

As a result:

```
{
  "accessKey": "19f3bfc87cdb9c33",
  "signature": "22e20a4519cad37ecd5abb5c666828b2cfb06764ec3734c5faa5132c5e369585",
  "timestamp": 1665683270207,
  "periodSecond": 86400
}
```



Once token is generated, below success response will be obtained:

```
{
  "code": "SUCCESS",
  "message": "OK",
  "data": {
    "token": "eyJhbGciOiJIUzUxMiJ9.eyJpc3MiOiJoNV9saXZlbnVzcyIsInN1Yil6IntcImN1c3Rv
bWVvSWRcljo0NTI5NDgyMixcImFjY291bnRjZmwiOjQ1Mjk0ODIzLFwicmVhbElwXCI6XCixND
kuMTEzLjI1MS4xMTZcIn0iLCJhdWQiOiJXRUIiLCJpYXQiOiJlbnV2ODQ0MDUsImV4cCI6MTY2
NTc3MDgwNX0.KhTKN1oeCipqdTwAsuEsDdj0EJg-
JRrY1Xjlp6XL1K8IBqS5z2wAEYFkHH4ST1hPfov9x_BhzJMfYntcxLfA",
    "expiredTime": 1665770805553
  },
  "extra": null,
  "transactionId": "29fe926815010bc9",
  "pricingStrategy": "FREE"
}
```

Use the result **token** above in **X-ACCESS-TOKEN** parameter to hit the Service API Query.

Example Application for Database ID Validation API:

POST <https://api.advance.ai/openapi/face-identity/v3/database-id-validation>

Params Authorization **Headers (10)** Body Pre-request Script Tests Settings

Headers 8 hidden

KEY	VALUE
☒ X-ACCESS-TOKEN	eyJhbGciOiJIUzUxMiJ9.eyJpc3MiOiJoNV9saXZlbmVzcyIsbnN1YiI6IntclmN1c3
☒ Content-Type	application/json
Key	Value

Token

POST <https://api.advance.ai/openapi/face-identity/v3/database-id-validation> Send

Params Authorization Headers (12) **Body** Pre-request Script Tests Settings

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

```

1  {
2    "idNumber": "32000000000000000000",
3    "name": "RIDHO AKBAR",
4    "birthDate": "2002-10-20",
5    "birthPlace": "CI",
6    "faceImage": "iVBORw0KGAAASUHEUGAAZAAAH8CAYAAAT2nuAAAEADm1Q1BzQ0db2xvc1NwYWNlR2VzX3pY13HQgAA0I2NVV1dHFUUPpu5syskzoPupqa5Dv41LRaUtGE2uj+ZbNt3CyTbLRBkMns3Z1p3jP3/
KRpKT4URDBQOCT4P9bwSchaqvtiy2tfcIBIMo+ND6R6H5FwizuT0zu504a73L3PnmnO9+596z7t4LkLgsw6beJQ1sGq4t5dPis8fmxM6dMF98A198C8rjpUq1SYBG+Pcv9xt7yDg3tf2t/Z/+uuUEcB1n2F2Kw4y1LiZQ0
+FckyXYAEQvIcddi+AnE02ycIOISw7UAVxi0/Cyz5mRMohfRSwoqoz+NuIB+cj91oEB3Pw2448NaitKSLLRck2q6p0I909g/t/tkXda8Tog8+PszB9FN8DuPaXKnKw4YqN1Xk3HSIzy5ps8BUQ/
2N6aQnxIw8du7FcgzPaRjVXU8H0Hqao38caP9SZZx0fg3h1wTzKxU5E/LUX5GwKXSSnAzmDx440tqLbB69yMesE1pKojLjVdoNsfyIPi45hZnAn3uLWdp0tftQ0aVmiKE57ovj8HfWpZ7EV6me18L9Xy23FMYIPVZenAx8y0B1/
Px6ledmQj1kjkKXCxM3S9wtFdyH9KtSeKEP+2dH+P4tzITduTyGdFv8Ba6VCTHSPtX07EF21nyU0BhmsFTBgE8QIA9pZftgoocKGuhooe1akH41e0s38lp+IAAt1Rq/sjr6NwQqb/I/DQqslvaFujvAx+ewIxddAJZnAj1DFJL8mSg/
gcIpPkMBkhyCS38L7ZLXk6TpKdJXhL13zZP0566R8ASNSnzelVivod8HG/mdkmOC8z8YknzcQZM/Yz2vKldouXj9b1eLU6ZWh7Vw+18JGcaa118yhzunXLP/83f59ewX+c3Wgz+B34DE+v6Vzc16zTMVgppum9xExEPUSKpQutVWxhs60iWTVW
+gIfymB9uXl7CGGw/zk98k/kmv396I3n/j3uQh4c5zn3KICd+AyF3gLnJic19xH30IR2zUee8Ba+6vo7EK5mmXUoyfQ1rYLTwoZIU9wspCZETp6BwGhAlhL3p2N6sTjRdduwBhs99kq32sg8epc+xuzLPW4T9URpY633ym4

```

Body Cookies (1) Headers (6) Test Results

Pretty Raw Preview Visualize JSON

```

1  {
2    "code": "SUCCESS",
3    "message": "OK",
4    "data": {
5      "idNumber": "registered",
6      "name": "true",
7      "birthDate": "true",
8      "birthPlace": "true",
9      "facePercent": "0.8"
10   },
11   "extra": null,
12   "transactionId": "ds1654",
13   "pricingStrategy": "PAY"
14 }

```

Status: 200 OK Time: 1581 ms Size: 459 B Save Response