*Note: ComAp cloud API v 1.1 are using the ComAp Cloud Identity and OAuth2 protocol for authentication.*

*Please see. https://oauth.net/2/ for Oauth2 protocol documentation.*

*This Guide describes how to use APIS on developer portal. You can use API by your own apps too in machine to machine mode of course.*

*Note: If you are switching to API v 1.1 from API v1 is recommended to switch in short period as possible to avoid potential data loss. We recommend making one subaccount, where you can all configure and test. Then simply move units and switch.*
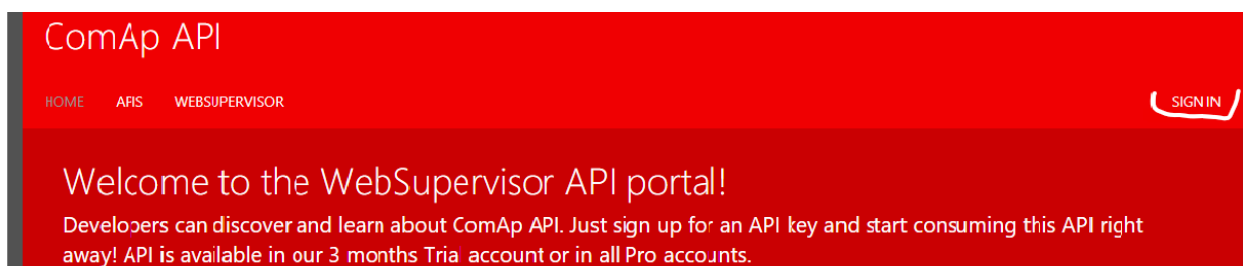
## Guideline for ComAp API v1.1 usage

First, you must register the application and generate a secret. It's a one-time action, just the secret must be renewed before the end of the validation period.

**Step 1**

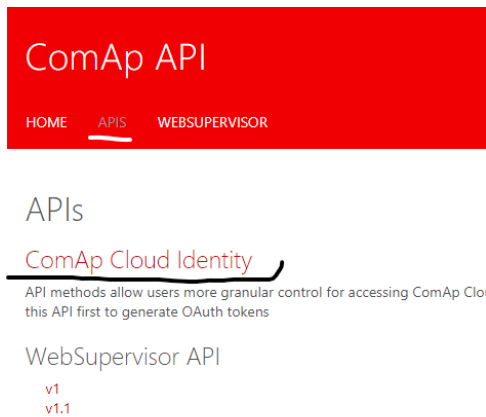- Go to https://portal.websupervisor.net page.

**Step 2,**

- Sign up for a ComAp Cloud Identity (CCI).



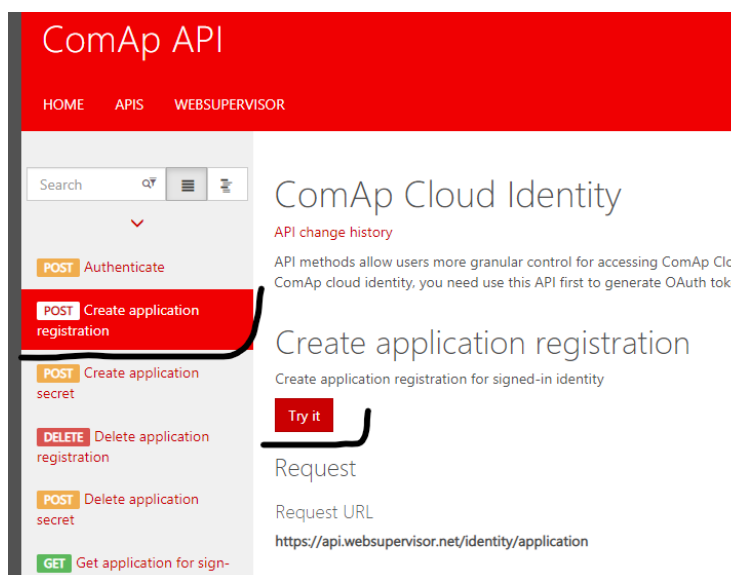**Step 3**

- Navigate to the API section

- Then to ComAp Cloud Identity API



**Step 4**

Register application

Navigate to the "Create application registration" POST method and use "Try it" button



If you are logged-in your Comap-Key Value are prefiled

"ComAp Cloud Identity" value choose "Implicit" value. In the pop up please fill your ComAp Cloud Identity e-mail and login if you are prompted
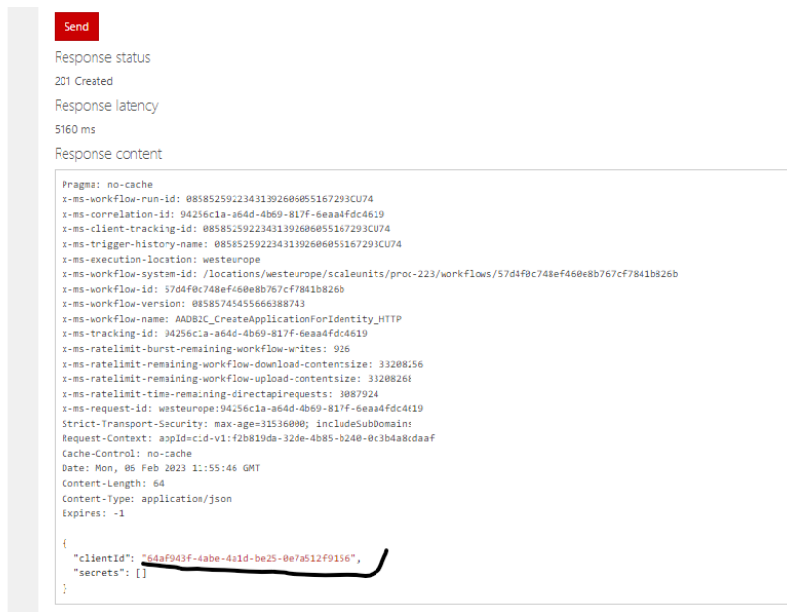
**Guideline for ComAp API v1.1 usage**

Authorization value are filled automatically



Then click to "Sent"

You obtain "201" HTTP status code, you application was created.

Keep the "clientId" value for later usage.

**Send**

Response status

201 Created

Response latency

5160 ms

Response content

```
Pragma: no-cache
x-ms-workflow-run-id: 08585259223431392606055167293CU74
x-ms-correlation-id: 94256c1a-a64d-4b69-817f-6eaa4fdc4619
x-ms-client-tracking-id: 08585259223431392606055167293CU74
x-ms-trigger-history-name: 08585259223431392606055167293CU74
x-ms-execution-location: westeurope
x-ms-workflow-system-id: /locations/westeurope/scaleunits/prod-223/workflows/57d4f0c748ef460e8b767cf7841b826b
x-ms-workflow-id: 57d4f0c748ef460e8b767cf7841b826b
x-ms-workflow-version: 08585745455666388743
x-ms-workflow-name: AADB2C_CreateApplicationForIdentity_HTTP
x-ms-tracking-id: 94256c1a-a64d-4b69-817f-6eaa4fdc4619
x-ms-ratelimit-burst-remaining-workflow-writes: 926
x-ms-ratelimit-remaining-workflow-download-contentsize: 33208256
x-ms-ratelimit-remaining-workflow-upload-contentsize: 33208268
x-ms-ratelimit-time-remaining-directapirequests: 3087924
x-ms-request-id: westeurope:94256c1a-a64d-4b69-817f-6eaa4fdc4619
Strict-Transport-Security: max-age=31536000; includeSubDomain:
Request-Context: appId=cid-v1:f2b819da-32de-4b85-b240-0c3b4a8cdaaf
Cache-Control: no-cache
Date: Mon, 05 Feb 2023 11:55:46 GMT
Content-Length: 64
Content-Type: application/json
Expires: -1

{
  "clientId": "64af943f-4abe-4a1d-be25-0e7a512f9156",
  "secrets": []
}
```

## Step 5 - optional

- Create secret

- Navigate to "Create application secret" POST method, and click on "Try it" button

- If you are logged in your Comap-Key Value are prefilled

- "ComAp Cloud Identity" value choose "Implicit" value. In the pop up please fill your ComAp Cloud Identity e-mail and log in if you are prompted

- Authorization value are filled automatically

- Fulfill the JSON in the Request body section:

  {

    "clientId": *< ---clientID from previous step--- >*",

    "secret": {

      "displayName": "*< ---your name of secret--- >*",

      "duration": "2y"

    }

**Guideline for ComAp API v1.1 usage**

Then click on „Sent" button

In the API response you obtain your secret. Maximum secret age period is 2 years
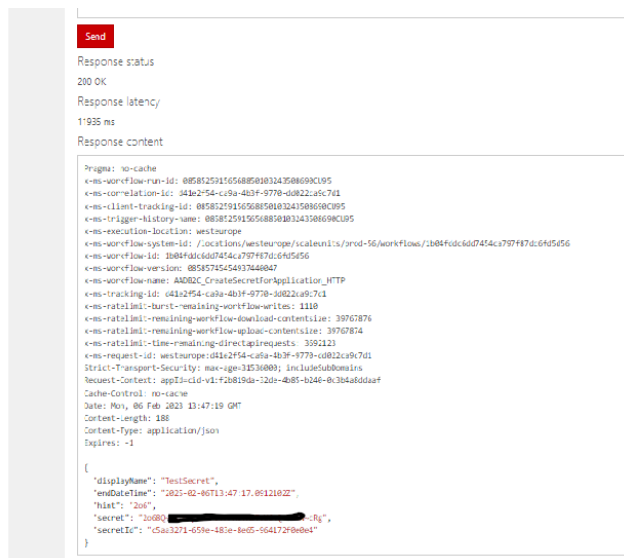


Keep "secret" value for later usage.

**Step 6**

- Obtain Bearer token

- Navigate to "Authenticate" GET method

- "Try it" button

- If you are logged in your Comap-Key Value are prefilled

- Fulfill the JSON  in the Request body section:

{

  "clientId": *< ---clientID from previous steps--- >*",

  "secret": "*< ---secret from previous steps--- >*"

}

- Then click to "Sent" button

**Guideline for ComAp API v1.1
usage**

**Note:** *ComAp Cloud Identity value is not necessary to fill.*



In the response you obtain JSON

```
{ "token_type": "Bearer", //Type of token

"expires_in": 3599, // expiration period default is 1 hour

"ext_expires_in": 3599, // expiration period default is 1 hour

"access_token": " *********************************************************
**********************************************************************
**********************************************************************
**********************************************************************
********************************************************* " //Token value
```

```
        }
```

```
Pragma: no-cache
Strict-Transport-Security: max-age=31536000; includeSubDomains
X-Content-Type-Options: nosniff
x-ms-request-id: 01d20c5a-2917-4f8a-88f9-374ebaa84500
x-ms-ests-server: 2.1.14526.6 - NEULR1 ProdSlices
X-XSS-Protection: 0
Cache-Control: no-store, no-cache
P3P: CP="DSP CUR OTPi IND OTRi ONL FIN"
Set-Cookie: fpc=AjDtuOFMxTdGirVarUd3y_tQtWUeAQAAAH_-ctsOAAAA; expires=Wed, 08-Mar-2023 13:58:23 GMT; path=/; secure; HttpOnly; S
ameSite=None,x-ms-gateway-slice=estsfd; path=/; secure; httponly,stsservicecookie=estsfd; path=/; secure; httponly
Request-Context: appId=cid-v1:f2b819da-32de-4b85-b240-0c3b4a8ddaaf
Date: Mon, 06 Feb 2023 13:58:23 GMT
Content-Length: 1083
Content-Type: application/json; charset=utf-8
Expires: -1

{
  "token_type": "Bearer",
  "expires_in": 3599,
  "ext_expires_in": 3599,
  "access_token": "                                                              jJlNWQ5NS0w
NWMxLTQ0OWQtOGU5Zi1jNmIzMjk1ZDhkYzQiLCJpc3MiOiJodHRwczovL2xvZ2luLm1pY3Jvc29mdG9ubGluZS5jb20vYjdhNWE1NTItNjQyNy00MzA5LThiZmMtNTE1
NGU3ZDczNDYzL3YyLjAiLCJpYXQiOjE2NzU2OTE2MDMsIm5iZiI6MTY3NTY5MTYwMywiZXhwIjoxNjc1Njk1NTAzLCJhaW8iOiJFMlpnWUZqdVBYSEZYeEd0ZFdIM1Vq
Y1UvcC9lQXdBPSIsImF6cCI6IjY0YwY5NDNmLTRhYmUtNGExZC1iZTI1LTBlN2E1MTJmOTE1NiIsImF6cGFjciI6IjEiLCJyaCI6IjAuQVNJQVVxV2x0R2VWRrQ1VPTF9G
RlU1OWMwWTVWZExuYkJCWjFFFanBfR3N5bGGRqY1FpQUFBLiIsInRpZCI6ImI3YTVhNTUyLTY0MjctNDMwOS04YmZjLTUxNTRlN2Q3MzQ2MyIsInV0aSI6IldnelNBUmNw
aWstSS1UZE91cWhGQUEiLCJ2ZXIiOiIyLjAifQ.DjZUml3S-x3lCUY4TaoOScc6vvRlm1WkGKkF8CKjcRsjzI9M2BfvIaJGJTV3Xog_dkSGVZfxihKgO9iDCCLqSk4tJ
UTZCw90UeZInOPzVVpZAb110PK_iXh3zYqOlx7CYCD01LmYP9bx6fykNcmVmhBtMdBnLmcsG0YQAPaWUTfciogp18teyHvZddpCNlxHW1iuRSEjq5FrfAi6lcEY1B_pE
1mK31RkQQN67kMmuq9ikE1cbeTlbRto2YWzU22rifQxQWBZ8TmYUHmizHzjEue49-MzPl40HAuxzV34mTQuHV0_apIG68iaht5L7q1AJMGYP6ugNh52T2ET105cDw"
}
```

**Note:** *Now you have all to use API version 1.1 navigate to APIS –> v 1.1 Choose the method which you like to use and fill "Authorization" by Bearer token in this format :*

*"Bearer eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsImtpZCI6Ii1LSTNROW5OUjdiUm9m\*\*\*\*\*"*