

ApigeeX local development

Apigee local development

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[Prerequisite:] [for better development space you have to use visual studio code.] [Process:] [Development Process:] [Proxy] [Environment:] [Deployment:] [TEST-RESOURCE:] [Developer:] [Products:] [APP:] [TEST:]

Prerequisite:

first you have to have Google cloud principal pas account what ever product you are using

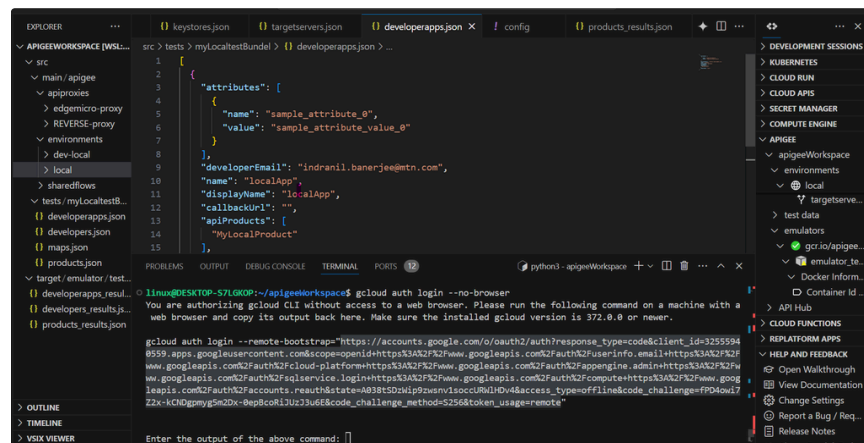
any product **Apigee** or **Apigee** edge micro.

then you have to have a **ubuntu** or **mac system** has to be install in the system.

for better development space you have to use visual studio code.

Process:

install **docker**, **google cloud CLI**, **google cloud development plugin** in your visual studio code so to connect with the Apigee development you will get a screen like this.



Development Process:

Proxy

create different kind of proxy in here reverse proxy has been used.

```

2 <HTTPProxyConnection>
3   <BasePath>/edgemicro</BasePath>
4 </HTTPProxyConnection>
5 <RouteRule name="backend">
6   <TargetEndpoint>backend</TargetEndpoint>
7 </RouteRule>
8 </ProxyEndpoint>

```

Environment:

Create environment matching with google cloud and **archive** for **apigee x. edgemicro proxy** name **appended** for **apigee edgemicro** .

```

> environments
> dev-local
> local
  {} debugmask.json
  {} deployments.json
  {} flowhooks.json
  {} keystores.json
  {} targetservers.json

```

Deployment:

add what are the proxy you want to add.

```

{
  "proxies": [
    {
      "name": "REVERSE-proxy"
    },
    {
      "name": "edgemicro-proxy"
    }
  ],
  "sharedflows": []
}

```

TEST-RESOURCE:

Developer:

add any kind of developer .

```
tests > myLocaltestBundel > {} developers.json > ...
[
  {
    "attributes": [
      {
        "name": "sample_attribute_0",
        "value": "sample_attribute_value_0"
      }
    ],
    "email": "indranil.banerjee@mtn.com",
    "userName": "indranil13",
    "firstName": "indranil",
    "lastName": "banerjee"
  }
]
```

Products:

create product with the proxies.

```
"quotaTimeUnit": "minute",
"name": "MyLocalProduct",
"displayname": "MyLocalProduct details"
"proxies": [
  "REVERSE-proxy",
  "edgemicro-proxy"
]
```

APP:

add your product to the app;

```
"developerEmail": "indranil.banerjee@mtn.com",
"name": "localApp",
"displayname": "localApp",
"callbackUrl": "",
"apiProducts": [
  "MyLocalProduct"
],
"expiryType": "never"
```

TEST:

run your docker container emulator.

```
-request-id:  
-Apigee-organization: hybrid  
-Apigee-environment: test  
-Apigee-proxy: /organizations/hybrid/environments/local/apiproxies/edgemicro-proxy/revisions/0  
-Apigee-proxy-basepath: /edgemicro  
-Apigee-target-latency: 1060  
  
{"firstName":"John","lastName":"Doe","city":"San Jose","state":"CA"}linux@D  
SKTOP-S7LGKOP:~/apigeeWorkspace$
```

- ☐ Need to deploy in docker container @indranil banerjee
- ☒ Deploy in cloud-link your **gcloud cli** to your deployment

to get the access.-**gcloud** auth login.

then upload the url-gcloud : `gcloud beta apigee archives deploy --organization={ORGANIZATION} --project={PROJECT} --environment=Eval:{ENVIRONMENT} --labels=release={VERSION}`.