


# Apigee with plugin development:

 Apigee local development through plugins

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 Objective : Apigee local development using plugin

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## Solution Approach:

Create **docker** File to build and copy the plugin.

```
1 FROM gcr.io/apigee-microgateway/edgemicro:latest
2
3 RUN mkdir /opt/apigee/.edgemicro && mkdir /opt/apigee/logs && mkdir /opt/apigee/plugins
4
5 RUN chown -R apigee:apigee /opt/apigee/.edgemicro /opt/apigee/logs /opt/apigee/plugins
6
7
8 COPY apigee/plugins /opt/apigee/plugins
9 COPY apigee/.edgemicro /opt/apigee/.edgemicro
10
11 EXPOSE 8000
12 EXPOSE 8443
13
14 ENTRYPOINT ["edgemicro", "start"]
15
16
```

create a plugin module in which **IP bypass** will going to happened.

```
1 'use strict';
2 module.exports.init = function(config, logger, stats) {
3   return {
4     onrequest: function(req, res, next) {
5       if (config.activate && (typeof config.headers !== "undefined")) {
6         var forwardIp = req.headers['x-forwarded-for'];
7         console.log('--req header Ip', xAuth);
8         res.setHeader("client-ip", forwardIp);
9       }
10      next();
11    }
12  };
13 }
```

Create a **docker-compose** file in which build is which **apigee** run will going to happened.

```
1
2 services:
3   edgemicrocustomplugin:
4     ports:
5       - 8000:8000
6     container_name: edgemicrocustomplugin
```

```
7
8  environment:
9    - EDGEMICRO_PLUGIN_DIR=/opt/apigee/plugins
10   - EDGEMICRO_ORG=mtn-preprod
11   - EDGEMICRO_ENV=preprod
12   - EDGEMICRO_KEY=e4ed7079ae771bfda2e558c616971b66af20a9b3aefc77f3485d7b3ade71484
13   - EDGEMICRO_SECRET=24dab28a2cf219951cea8f75919348e0a22343c9743c7bd6cc9615c4991caf1d
14   - EDGEMICRO_CONFIG=/opt/apigee/.edgemicro
15   - SERVICE_NAME=edgemicrocustomplugin
16
17  image: apigee:latest
18  firefox:
19    image: jlesage/firefox
20    hostname: firefox
21    ports:
22      - 5802:5800
```

Run it as a container then test with any proxy.

### Remaining Task:

- ☐ @Umamaheswara Makineni to test setup as he has **unix** kernal in his mac book.

### Latest Code:

 [indranb13/mtnCommonConnector](#)

Source Code:

