1. Make sure these ports should be accessible outbound and inbound
   1. 7051
   2. 7053
   3. 5984
   4. 7054
2. This doc also assumes VM running on **13.66.199.128** and **node js** is installed.
3. Go to the VM where netdocument node is already running.
4. Your VM must be having **netdoc** folder already. Take a pull from repo [**https://github.com/drj1990/netdoc**](https://github.com/drj1990/netdoc)**.** There will be below new files added now
   1. **Docker-compose-ca.yaml (docker compose for CA)**
   2. **Integrasdk-netdocument (node sdk folder)**
5. List the directory **crypto-config/peerOrganizations/netdocument.com/ca**

Under this there will be two files **.pem** and **\_SK** file. These file names will be used in **docker-compose-ca.yaml** file**.**

3. Open **docker-compose-ca.yaml** and replace the **PEM\_FILE** and **SK\_KEY** from above file names and save it.

Eg. (Pem file -> **ca.netdocument.com-cert.pem**)

(SK file -> **82fded8d3ab522e8924b67773e6a41835c518d757ed9a13c8d8bcb\_sk**)

4. Now use below command to run CA container.

**docker-compose -f docker-compose-ca.yaml up -d**

This will bring the CA container up so that it can be used to generate identities.

5. Now use below commands for configuring sdk

**1.cd integrasdk-netdocument**

**2.sudo apt-get install build-essential**

**3. npm install**

**4. npm install pm2 -g**

6. Use below commands to generate identities

1. **node enrollAdmin.js**
2. **node registerUser.js**

Above commands will create a **wallet** folder which contains the identity.

7. Run the node sdk from below commands

**pm2 start index.js**

8. Observe logs from below commands

**pm2 logs**