**1.Steps to add VM on google account**

1. Go to **console.cloud.google.com** with credentials
2. From **Left Drawer Menu.** Go to **Compute Engine > VM Instances.**
3. Select **existing project** or **create project.**
4. Click on **Create Instance.**
5. Enter instance name.
6. Select **Region** and **Zone**.
7. Select machine type. Configure it as minimum.
8. Select **Boot Disk > Ubuntu 16.04 LTS**
9. Select Firewall. Allow **Http & Https** traffic.
10. Click on **Create.** This will create the instance.
11. From Left Menu Drawer. Select **VPC Network.**
12. Click on **Firewall Rules.**
13. Click on **Create Firewall Rule.** Fill the required information
14. Enter **Firewall Rule Name.**
15. Enter **Description.**
16. Set **Logs Off.**
17. Set **Network** *Default***.**
18. Set **Priority** *1000*
19. Set **Direction of traffic** *Ingress*.
20. Set **Action on Match** *Allow*
21. Set **Target** to **Specified Tag** (Allow Http,Allow Https)or **select all vm instances.**
22. Set **Protocols and Port** to **All**
23. Then click on **Create.**
24. Go to **Compute Engine > VM Instances**

**2. Installing prerequisites**

1. **Install build essentials**
   1. sudo apt-get update
   2. sudo apt-get install build-essential
2. **Install docker by using these commands** 
   1. curl -fsSL https://get.docker.com -o get-docker.sh
   2. sudo sh get-docker.sh
   3. sudo usermod -aG docker $USER
3. **Install go-lang by using these commands** 
   1. wget <https://dl.google.com/go/go1.12.4.linux-amd64.tar.gz>
   2. sudo tar -C /usr/local -xzf go1.12.4.linux-amd64.tar.gz
   3. sudo nano $HOME/.profile
   4. Append this line at bottom **PATH=$PATH:/usr/local/go/bin** , save and exit
   5. source $HOME/.profile.
4. **Install node by using these commands** 
   1. wget -qO- https://raw.githubusercontent.com/creationix/nvm/v0.34.0/install.sh | bash
   2. export NVM\_DIR="$HOME/.nvm" [ -s "$NVM\_DIR/nvm.sh" ] && \. "$NVM\_DIR/nvm.sh" [ -s "$NVM\_DIR/bash\_completion" ] && \. "$NVM\_DIR/bash\_completion"
   3. nvm install 8.11.3
5. **Install python** 
   1. sudo apt-get install python
6. **Install fabric-samples,binaries and docker images**
   1. curl -sSL http://bit.ly/2ysbOFE | bash -s
   2. sudo nano $HOME/.profile
   3. Append this line at bottom **PATH=$PATH:$HOME/fabric-samples/bin**, save and exit
   4. source $HOME/.profile.