VM installation guide - https://www.youtube.com/watch?v=x5MhydijWmc

Hyperleder Fabric Prerequisites Setup

1. Curl Installation
2. NodeJs Installation
3. Git Installation
4. Python Installation
5. Libtool
6. Docker CE
7. Docker Compose

Curl Installation

```
Run below command to install Curl.


sudo apt-get install curl


Verify the installation and check the version of Curl using
below command.


curl --version
```

NodeJs Installation

```
Open the terminal window and run below command to download
and execute the nodejs file.


curl -sL https://deb.nodesource.com/setup_10.x | sudo -E
bash –


Then run below command.


sudo apt-get update


Run below command to start the installation for NodeJs.


sudo apt-get install nodejs


Run below command to check if Nodejs is successfully
installed or not. This should return the version
of NodeJs.


node --version
```

Git Installation

Open the terminal window and run below command. This will start the installation for Git.

```
sudo apt-get install git
```

Run below command to check if Git is successfully installed or not. This should return the version of Git.

```
git --version
```

Python Installation

In the terminal window, run below command to install Python.

```
sudo apt-get install python
```

Verify the installation by running below command and that should return the version of Python.

```
python --version
```

Lib Tools Installation

Install Lib tools using below command.

```
sudo apt-get install libltdl-dev
```

Install Docker CE (Community Edition)

First download and then install it using below commands.

```
wget
https://download.docker.com/linux/ubuntu/dists/xenial/pool/
stable/amd64/docker-ce_18.06.3~ce~3-0~ubuntu_amd64.deb
```

```
sudo dpkg -i docker-ce_18.06.3~ce~3-0~ubuntu_amd64.deb
```

Check the version of docker using below command and this should return the version of docker.

```
docker --version
```

Install Docker Compose

Run below commands to setup Docker compose.

```
sudo apt-get install python-pip

pip --version

sudo pip install docker-compose

Verify the installation and check the version from below
command.

docker-compose version
```

Hyperledger Installation

Step 1: Run below command to download and setup Fabric.

```
curl -sSL https://bit.ly/2ysbOFE | bash -s
```

You may encounter below issue when you run above command.

```
failed to get default registry endpoint from daemon (Got permission
denied while trying to connect to the Docker daemon socket at
unix:///var/run/docker.sock:
```

To fix this you need run below command.

```
sudo chmod 666 /var/run/docker.sock
```