**HYPERLEDGER FABRIC DEMO**

**FBCT LAB -**

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo snap install curl**

curl 8.1.2 from Wouter van Bommel (woutervb) installed

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:**~$ curl --version**

curl 8.1.2 (x86\_64-pc-linux-gnu) libcurl/8.1.2 OpenSSL/1.1.1f zlib/1.2.11 brotli/1.0.7 zstd/1.4.4 libidn2/2.2.0 libpsl/0.21.0 (+libidn2/2.2.0) libssh/0.9.3/openssl/zlib nghttp2/1.40.0 librtmp/2.3 libgsasl/1.8.1

Release-Date: 2023-05-30

Protocols: dict file ftp ftps gopher gophers http https imap imaps ldap ldaps mqtt pop3 pop3s rtmp rtsp scp sftp smb smbs smtp smtps telnet tftp

Features: alt-svc AsynchDNS brotli gsasl GSS-API HSTS HTTP2 HTTPS-proxy IDN IPv6 Kerberos Largefile libz NTLM NTLM\_WB PSL SPNEGO SSL threadsafe TLS-SRP UnixSockets zstd

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo apt install nodejs**

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ node --version**

v12.22.9

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo apt-get install git**

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo apt-get install python2**

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo apt-get install libltdl-dev**

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo snap install docker**

docker 20.10.24 from Canonical\*\* installed

duser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ docker --version**

Docker version 20.10.24, build 297e128

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo apt install python3-pip**

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo pip install docker-compose**

Collecting docker-compose

Downloading docker\_compose-1.29.2-py2.py3-none-any.whl (114 kB)

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hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ sudo apt install docker-compose**

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ curl -sSL https://bit.ly/2ysbOFE | bash -s**

Clone hyperledger/fabric-samples repo

===> Cloning hyperledger/fabric-samples repo

Cloning into 'fabric-samples'...

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~**$ cd fabric-samples**

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~/fabric-samples**$ cd test-network**

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~/fabric-samples/test-network**$ sudo ./network.sh up**

Using docker and docker-compose

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~/fabric-samples/test-network**$ sudo docker exec peer0.org1.example.com peer channel list**

2023-10-18 05:45:58.177 UTC 0001 INFO [channelCmd] InitCmdFactory -> Endorser and orderer connections initialized

Channels peers has joined:

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~/fabric-samples/test-network**$ sudo ./network.sh createChannel -c testchannel**

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~/fabric-samples/test-network**$ sudo docker exec peer0.org1.example.com peer channel list**

2023-10-18 05:47:30.658 UTC 0001 INFO [channelCmd] InitCmdFactory -> Endorser and orderer connections initialized

Channels peers has joined:

testchannel

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~/fabric-samples/test-network**$ sudo docker exec peer0.org2.example.com peer channel list**

2023-10-18 05:47:59.173 UTC 0001 INFO [channelCmd] InitCmdFactory -> Endorser and orderer connections initialized

Channels peers has joined:

testchannel

hduser32@itlab5sys28-HP-ProDesk-400-G7-Microtower-PC:~/fabric-samples/test-network**$ sudo ./network.sh down**

Using docker and docker-compose

Stopping network

Stopping cli ... done

Stopping peer0.org1.example.com ... done