**Lab3**

1. Now let us bring up the 3 anchor peers for which artefacts was created.

**docker-compose -f docker-compose-cli.yaml up –d**

This command will create all the peers of the organisation set up.

2 peers respectively in Apollo1, Manipal2 & Fortis3.

The Network is up with orderer and peers

1. Execute the below command to get into the docker to create channel

**docker exec -it cli bash**

1. Create a channel using Apollo1MSP

Setting up the environment variables

1. **export ORDERERCA=/opt/gopath/src/github.com/hyperledger/fabric/peer/crypto/ordererOrganizations/silverlake.co.in/orderers/orderer.silverlake.co.in/msp/tlscacerts/tlsca.silverlake.co.in-cert.pem**
2. **export CORE\_PEER\_MSPCONFIGPATH=/opt/gopath/src/github.com/hyperledger/fabric/peer/crypto/peerOrganizations/apollo1.silverlake.co.in/users/Admin@apollo1.silverlake.co.in/msp**
3. **export CORE\_PEER\_ADDRESS=peer0.apollo1.silverlake.co.in:7051**
4. **export CORE\_PEER\_LOCALMSPID="Apollo1MSP"**
5. **export CORE\_PEER\_TLS\_ROOTCERT\_FILE=/opt/gopath/src/github.com/hyperledger/fabric/peer/crypto/peerOrganizations/apollo1.silverlake.co.in/peers/peer0.apollo1.silverlake.co.in/tls/ca.crt**
6. **export CHANNEL\_NAME=mychannel**

Create the channel “mychannel”

**peer channel create -o orderer.silverlake.co.in:7050 -c $CHANNEL\_NAME -f ./channel-artifacts/channel.tx --tls --cafile $ORDERERCA**

1. Join Channel:

We have already exported Apollo1 ‘s environment variables. Let’s join Apollo1 to the newly created channel “mychannel”

**peer channel join -b mychannel.block**

1. Join hospital Manipal2 to the channel “ mychannel”

export **CORE\_PEER\_MSPCONFIGPATH=/opt/gopath/src/github.com/hyperledger/fabric/peer/crypto/peerOrganizations/manipal2.silverlake.co.in/users/Admin@manipal2.silverlake.co.in/msp**

**export CORE\_PEER\_ADDRESS=peer0.manipal2.silverlake.co.in:7051**

**export CORE\_PEER\_LOCALMSPID="Manipal2MSP"**

**export CORE\_PEER\_TLS\_ROOTCERT\_FILE=/opt/gopath/src/github.com/hyperledger/fabric/peer/crypto/peerOrganizations/manipal2.silverlake.co.in/peers/peer0.manipal2.silverlake.co.in/tls/ca.crt**

**peer channel join -b mychannel.block**

1. Join hospital Fortis3 to the channel “ mychannel”

**export CORE\_PEER\_MSPCONFIGPATH=/opt/gopath/src/github.com/hyperledger/fabric/peer/crypto/peerOrganizations/fortis3.silverlake.co.in/users/Admin@fortis3.silverlake.co.in/msp**

**export CORE\_PEER\_ADDRESS=peer0.fortis3.silverlake.co.in:7051**

**export CORE\_PEER\_LOCALMSPID="Fortis3MSP"**

**export CORE\_PEER\_TLS\_ROOTCERT\_FILE=/opt/gopath/src/github.com/hyperledger/fabric/peer/crypto/peerOrganizations/fortis3.silverlake.co.in/peers/peer0.fortis3.silverlake.co.in/tls/ca.crt**

**# peer channel join -b mychannel.block**

1. peer channel getinfo -c mychannel