**Lab4**

Install chain code in all the Peers of all organizations

1. Install chain code in Apollo1

**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**

**export CORE\_PEER\_ADDRESS=peer0.apollo1.silverlake.co.in:7051**

**export CORE\_PEER\_LOCALMSPID="Apollo1MSP"**

**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**

**chaincode install -n mycc -v 1.0 -p github.com/chaincode/chaincode\_example02/go/**

1. Install chain code in Manipal2

**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 chaincode install -n mycc -v 1.0 -p github.com/chaincode/chaincode\_example02/go/**

1. Install chain code in Fortis3

**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 chaincode install -n mycc -v 1.0 -p github.com/chaincode/chaincode\_example02/go/**

peer chaincode list -C mychannel -- installed

Until we instantiate, the chain code will not be available.

**peer chaincode query -C mychannel -n mycc -c '{"Args":["query","patient-a-has"]}'**

Error: endorsement failure during query. response: status:500 message:"make sure the chaincode mycc has been successfully instantiated and try again: chaincode mycc not found"

1. Now let us instantiate the chain code in channel

**peer chaincode instantiate -o orderer.silverlake.co.in:7050 --tls –cafile /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 -C $CHANNEL\_NAME -n mycc -v 1.0 -c '{"Args":["init","patient-a-has", "100", "patient-b-has","200"]}' -P "AND ('Apollo1MSP.peer','Manipal2MSP.peer','Fortis3MSP.peer')"**

peer chaincode list -C mychannel -- instantiated

1. Query the chaincode

**peer chaincode query -C mychannel -n mycc -c '{"Args":["query","patient-a-has"]}'**

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