(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ cd ..

(base) dev@devm-laptop:~/myprojects/landreghlf$ cd chaincode/

(base) dev@devm-laptop:~/myprojects/landreghlf/chaincode$ ls

contracts go.mod go.sum landregistry-application-chaincode main.go vendor

(base) dev@devm-laptop:~/myprojects/landreghlf/chaincode$ go mod init landregistry-application-chaincode

go mod init: go.mod already exists

(base) dev@devm-laptop:~/myprojects/landreghlf/chaincode$ go get -u github.com/hyperledger/fabric-contract-api-go

(base) dev@devm-laptop:~/myprojects/landreghlf/chaincode$ go mod tidy

(base) dev@devm-laptop:~/myprojects/landreghlf/chaincode$ go mod vendor

(base) dev@devm-laptop:~/myprojects/landreghlf/chaincode$ go build

(base) dev@devm-laptop:~/myprojects/landreghlf/chaincode$ cd ..

(base) dev@devm-laptop:~/myprojects/landreghlf$ cd test-network/

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ ls

addOrg3 configtx docker network.sh organizations outfile README.md scripts system-genesis-block

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ ./network.sh down

Stopping network

Removing network net\_test

WARNING: Network net\_test not found.

Removing volume net\_orderer.example.com

WARNING: Volume net\_orderer.example.com not found.

Removing volume net\_peer0.org1.example.com

WARNING: Volume net\_peer0.org1.example.com not found.

Removing volume net\_peer0.org2.example.com

WARNING: Volume net\_peer0.org2.example.com not found.

Removing network net\_test

WARNING: Network net\_test not found.

Removing volume net\_peer0.org3.example.com

WARNING: Volume net\_peer0.org3.example.com not found.

No containers available for deletion

No images available for deletion

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ ./network.sh up^C

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ ./network.sh up

Starting nodes with CLI timeout of '5' tries and CLI delay of '3' seconds and using database 'leveldb' with crypto from 'cryptogen'

LOCAL\_VERSION=2.3.0

DOCKER\_IMAGE\_VERSION=2.3.0

/home/dev/myprojects/landreghlf/test-network/../bin/cryptogen

Generating certificates using cryptogen tool

Creating Org1 Identities

+ cryptogen generate --config=./organizations/cryptogen/crypto-config-org1.yaml --output=organizations

org1.example.com

+ res=0

Creating Org2 Identities

+ cryptogen generate --config=./organizations/cryptogen/crypto-config-org2.yaml --output=organizations

org2.example.com

+ res=0

Creating Orderer Org Identities

+ cryptogen generate --config=./organizations/cryptogen/crypto-config-orderer.yaml --output=organizations

+ res=0

Generating CCP files for Org1 and Org2

Creating network "net\_test" with the default driver

Creating volume "net\_orderer.example.com" with default driver

Creating volume "net\_peer0.org1.example.com" with default driver

Creating volume "net\_peer0.org2.example.com" with default driver

Creating orderer.example.com ... done

Creating peer0.org1.example.com ... done

Creating peer0.org2.example.com ... done

Creating cli ... done

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

9e93ff975bb7 hyperledger/fabric-tools:latest "/bin/bash" 1 second ago Up Less than a second cli

e1315b223bd3 hyperledger/fabric-peer:latest "peer node start" 1 second ago Up Less than a second 7051/tcp, 0.0.0.0:9051->9051/tcp, :::9051->9051/tcp peer0.org2.example.com

4b1694ba39f9 hyperledger/fabric-orderer:latest "orderer" 1 second ago Up Less than a second 0.0.0.0:7050->7050/tcp, :::7050->7050/tcp, 0.0.0.0:7053->7053/tcp, :::7053->7053/tcp orderer.example.com

95b153060f59 hyperledger/fabric-peer:latest "peer node start" 1 second ago Up Less than a second 0.0.0.0:7051->7051/tcp, :::7051->7051/tcp peer0.org1.example.com

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ ./network.sh createChannel

Creating channel 'mychannel'.

If network is not up, starting nodes with CLI timeout of '5' tries and CLI delay of '3' seconds and using database 'leveldb

Generating channel genesis block 'mychannel.block'

/home/dev/myprojects/landreghlf/test-network/../bin/configtxgen

+ configtxgen -profile TwoOrgsApplicationGenesis -outputBlock ./channel-artifacts/mychannel.block -channelID mychannel

2021-11-22 14:00:06.223 IST [common.tools.configtxgen] main -> INFO 001 Loading configuration

2021-11-22 14:00:06.232 IST [common.tools.configtxgen.localconfig] completeInitialization -> INFO 002 orderer type: etcdraft

2021-11-22 14:00:06.232 IST [common.tools.configtxgen.localconfig] completeInitialization -> INFO 003 Orderer.EtcdRaft.Options unset, setting to tick\_interval:"500ms" election\_tick:10 heartbeat\_tick:1 max\_inflight\_blocks:5 snapshot\_interval\_size:16777216

2021-11-22 14:00:06.232 IST [common.tools.configtxgen.localconfig] Load -> INFO 004 Loaded configuration: /home/dev/myprojects/landreghlf/test-network/configtx/configtx.yaml

2021-11-22 14:00:06.234 IST [common.tools.configtxgen] doOutputBlock -> INFO 005 Generating genesis block

2021-11-22 14:00:06.234 IST [common.tools.configtxgen] doOutputBlock -> INFO 006 Creating application channel genesis block

2021-11-22 14:00:06.235 IST [common.tools.configtxgen] doOutputBlock -> INFO 007 Writing genesis block

+ res=0

Creating channel mychannel

Using organization 1

+ osnadmin channel join --channel-id mychannel --config-block ./channel-artifacts/mychannel.block -o localhost:7053 --ca-file /home/dev/myprojects/landreghlf/test-network/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem --client-cert /home/dev/myprojects/landreghlf/test-network/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/tls/server.crt --client-key /home/dev/myprojects/landreghlf/test-network/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/tls/server.key

+ res=0

Status: 201

{

"name": "mychannel",

"url": "/participation/v1/channels/mychannel",

"consensusRelation": "consenter",

"status": "active",

"height": 1

}

Channel 'mychannel' created

Joining org1 peer to the channel...

Using organization 1

+ peer channel join -b ./channel-artifacts/mychannel.block

+ res=0

2021-11-22 14:00:12.392 IST [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized

2021-11-22 14:00:12.427 IST [channelCmd] executeJoin -> INFO 002 Successfully submitted proposal to join channel

Joining org2 peer to the channel...

Using organization 2

+ peer channel join -b ./channel-artifacts/mychannel.block

+ res=0

2021-11-22 14:00:15.494 IST [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized

2021-11-22 14:00:15.529 IST [channelCmd] executeJoin -> INFO 002 Successfully submitted proposal to join channel

Setting anchor peer for org1...

Using organization 1

Fetching channel config for channel mychannel

Using organization 1

Fetching the most recent configuration block for the channel

+ peer channel fetch config config\_block.pb -o orderer.example.com:7050 --ordererTLSHostnameOverride orderer.example.com -c mychannel --tls --cafile /opt/gopath/src/github.com/hyperledger/fabric/peer/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem

2021-11-22 08:30:15.706 UTC [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized

2021-11-22 08:30:15.709 UTC [cli.common] readBlock -> INFO 002 Received block: 0

2021-11-22 08:30:15.709 UTC [channelCmd] fetch -> INFO 003 Retrieving last config block: 0

2021-11-22 08:30:15.710 UTC [cli.common] readBlock -> INFO 004 Received block: 0

Decoding config block to JSON and isolating config to Org1MSPconfig.json

+ configtxlator proto\_decode --input config\_block.pb --type common.Block

+ jq '.data.data[0].payload.data.config'

+ jq '.channel\_group.groups.Application.groups.Org1MSP.values += {"AnchorPeers":{"mod\_policy": "Admins","value":{"anchor\_peers": [{"host": "peer0.org1.example.com","port": 7051}]},"version": "0"}}' Org1MSPconfig.json

Generating anchor peer update transaction for Org1 on channel mychannel

+ configtxlator proto\_encode --input Org1MSPconfig.json --type common.Config

+ configtxlator proto\_encode --input Org1MSPmodified\_config.json --type common.Config

+ configtxlator compute\_update --channel\_id mychannel --original original\_config.pb --updated modified\_config.pb

+ configtxlator proto\_decode --input config\_update.pb --type common.ConfigUpdate

+ jq .

++ cat config\_update.json

+ echo '{"payload":{"header":{"channel\_header":{"channel\_id":"mychannel", "type":2}},"data":{"config\_update":{' '"channel\_id":' '"mychannel",' '"isolated\_data":' '{},' '"read\_set":' '{' '"groups":' '{' '"Application":' '{' '"groups":' '{' '"Org1MSP":' '{' '"groups":' '{},' '"mod\_policy":' '"",' '"policies":' '{' '"Admins":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Endorsement":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Readers":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Writers":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '}' '},' '"values":' '{' '"MSP":' '{' '"mod\_policy":' '"",' '"value":' null, '"version":' '"0"' '}' '},' '"version":' '"0"' '}' '},' '"mod\_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '}' '},' '"mod\_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '},' '"write\_set":' '{' '"groups":' '{' '"Application":' '{' '"groups":' '{' '"Org1MSP":' '{' '"groups":' '{},' '"mod\_policy":' '"Admins",' '"policies":' '{' '"Admins":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Endorsement":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Readers":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Writers":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '}' '},' '"values":' '{' '"AnchorPeers":' '{' '"mod\_policy":' '"Admins",' '"value":' '{' '"anchor\_peers":' '[' '{' '"host":' '"peer0.org1.example.com",' '"port":' 7051 '}' ']' '},' '"version":' '"0"' '},' '"MSP":' '{' '"mod\_policy":' '"",' '"value":' null, '"version":' '"0"' '}' '},' '"version":' '"1"' '}' '},' '"mod\_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '}' '},' '"mod\_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '}' '}}}}'

+ configtxlator proto\_encode --input config\_update\_in\_envelope.json --type common.Envelope

2021-11-22 08:30:15.947 UTC [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized

2021-11-22 08:30:15.965 UTC [channelCmd] update -> INFO 002 Successfully submitted channel update

Anchor peer set for org 'Org1MSP' on channel 'mychannel'

Setting anchor peer for org2...

Using organization 2

Fetching channel config for channel mychannel

Using organization 2

Fetching the most recent configuration block for the channel

+ peer channel fetch config config\_block.pb -o orderer.example.com:7050 --ordererTLSHostnameOverride orderer.example.com -c mychannel --tls --cafile /opt/gopath/src/github.com/hyperledger/fabric/peer/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem

2021-11-22 08:30:16.170 UTC [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized

2021-11-22 08:30:16.173 UTC [cli.common] readBlock -> INFO 002 Received block: 1

2021-11-22 08:30:16.173 UTC [channelCmd] fetch -> INFO 003 Retrieving last config block: 1

2021-11-22 08:30:16.174 UTC [cli.common] readBlock -> INFO 004 Received block: 1

Decoding config block to JSON and isolating config to Org2MSPconfig.json

+ configtxlator proto\_decode --input config\_block.pb --type common.Block

+ jq '.data.data[0].payload.data.config'

Generating anchor peer update transaction for Org2 on channel mychannel

+ jq '.channel\_group.groups.Application.groups.Org2MSP.values += {"AnchorPeers":{"mod\_policy": "Admins","value":{"anchor\_peers": [{"host": "peer0.org2.example.com","port": 9051}]},"version": "0"}}' Org2MSPconfig.json

+ configtxlator proto\_encode --input Org2MSPconfig.json --type common.Config

+ configtxlator proto\_encode --input Org2MSPmodified\_config.json --type common.Config

+ configtxlator compute\_update --channel\_id mychannel --original original\_config.pb --updated modified\_config.pb

+ configtxlator proto\_decode --input config\_update.pb --type common.ConfigUpdate

+ jq .

++ cat config\_update.json

+ echo '{"payload":{"header":{"channel\_header":{"channel\_id":"mychannel", "type":2}},"data":{"config\_update":{' '"channel\_id":' '"mychannel",' '"isolated\_data":' '{},' '"read\_set":' '{' '"groups":' '{' '"Application":' '{' '"groups":' '{' '"Org2MSP":' '{' '"groups":' '{},' '"mod\_policy":' '"",' '"policies":' '{' '"Admins":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Endorsement":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Readers":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Writers":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '}' '},' '"values":' '{' '"MSP":' '{' '"mod\_policy":' '"",' '"value":' null, '"version":' '"0"' '}' '},' '"version":' '"0"' '}' '},' '"mod\_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '}' '},' '"mod\_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '},' '"write\_set":' '{' '"groups":' '{' '"Application":' '{' '"groups":' '{' '"Org2MSP":' '{' '"groups":' '{},' '"mod\_policy":' '"Admins",' '"policies":' '{' '"Admins":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Endorsement":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Readers":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '},' '"Writers":' '{' '"mod\_policy":' '"",' '"policy":' null, '"version":' '"0"' '}' '},' '"values":' '{' '"AnchorPeers":' '{' '"mod\_policy":' '"Admins",' '"value":' '{' '"anchor\_peers":' '[' '{' '"host":' '"peer0.org2.example.com",' '"port":' 9051 '}' ']' '},' '"version":' '"0"' '},' '"MSP":' '{' '"mod\_policy":' '"",' '"value":' null, '"version":' '"0"' '}' '},' '"version":' '"1"' '}' '},' '"mod\_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '}' '},' '"mod\_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '}' '}}}}'

+ configtxlator proto\_encode --input config\_update\_in\_envelope.json --type common.Envelope

2021-11-22 08:30:16.410 UTC [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized

2021-11-22 08:30:16.428 UTC [channelCmd] update -> INFO 002 Successfully submitted channel update

Anchor peer set for org 'Org2MSP' on channel 'mychannel'

Channel 'mychannel' joined

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

9e93ff975bb7 hyperledger/fabric-tools:latest "/bin/bash" 5 minutes ago Up 4 minutes cli

e1315b223bd3 hyperledger/fabric-peer:latest "peer node start" 5 minutes ago Up 4 minutes 7051/tcp, 0.0.0.0:9051->9051/tcp, :::9051->9051/tcp peer0.org2.example.com

4b1694ba39f9 hyperledger/fabric-orderer:latest "orderer" 5 minutes ago Up 4 minutes 0.0.0.0:7050->7050/tcp, :::7050->7050/tcp, 0.0.0.0:7053->7053/tcp, :::7053->7053/tcp orderer.example.com

95b153060f59 hyperledger/fabric-peer:latest "peer node start" 5 minutes ago Up 4 minutes 0.0.0.0:7051->7051/tcp, :::7051->7051/tcp peer0.org1.example.com

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ ./network.sh deployCC -ccn landreg -ccl go -ccp ../chaincode -cci InitLedger

deploying chaincode on channel 'mychannel'

executing with the following

- CHANNEL\_NAME: mychannel

- CC\_NAME: landreg

- CC\_SRC\_PATH: ../chaincode

- CC\_SRC\_LANGUAGE: go

- CC\_VERSION: 1.0

- CC\_SEQUENCE: 1

- CC\_END\_POLICY: NA

- CC\_COLL\_CONFIG: NA

- CC\_INIT\_FCN: InitLedger

- DELAY: 3

- MAX\_RETRY: 5

- VERBOSE: false

Vendoring Go dependencies at ../chaincode

~/myprojects/landreghlf/chaincode ~/myprojects/landreghlf/test-network

~/myprojects/landreghlf/test-network

Finished vendoring Go dependencies

+ peer lifecycle chaincode package landreg.tar.gz --path ../chaincode --lang golang --label landreg\_1.0

+ res=0

Chaincode is packaged

Installing chaincode on peer0.org1...

Using organization 1

+ peer lifecycle chaincode install landreg.tar.gz

+ res=0

2021-11-22 14:03:18.762 IST [cli.lifecycle.chaincode] submitInstallProposal -> INFO 001 Installed remotely: response:<status:200 payload:"\nLlandreg\_1.0:054362f8f9d2de05ea8711b661f30f86727540bac8c9fcbb12ab1f6fb29ad295\022\013landreg\_1.0" >

2021-11-22 14:03:18.762 IST [cli.lifecycle.chaincode] submitInstallProposal -> INFO 002 Chaincode code package identifier: landreg\_1.0:054362f8f9d2de05ea8711b661f30f86727540bac8c9fcbb12ab1f6fb29ad295

Chaincode is installed on peer0.org1

Install chaincode on peer0.org2...

Using organization 2

+ peer lifecycle chaincode install landreg.tar.gz

+ res=0

2021-11-22 14:03:28.343 IST [cli.lifecycle.chaincode] submitInstallProposal -> INFO 001 Installed remotely: response:<status:200 payload:"\nLlandreg\_1.0:054362f8f9d2de05ea8711b661f30f86727540bac8c9fcbb12ab1f6fb29ad295\022\013landreg\_1.0" >

2021-11-22 14:03:28.343 IST [cli.lifecycle.chaincode] submitInstallProposal -> INFO 002 Chaincode code package identifier: landreg\_1.0:054362f8f9d2de05ea8711b661f30f86727540bac8c9fcbb12ab1f6fb29ad295

Chaincode is installed on peer0.org2

Using organization 1

+ peer lifecycle chaincode queryinstalled

+ res=0

Installed chaincodes on peer:

Package ID: landreg\_1.0:054362f8f9d2de05ea8711b661f30f86727540bac8c9fcbb12ab1f6fb29ad295, Label: landreg\_1.0

Query installed successful on peer0.org1 on channel

Using organization 1

+ peer lifecycle chaincode approveformyorg -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls --cafile /home/dev/myprojects/landreghlf/test-network/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem --channelID mychannel --name landreg --version 1.0 --package-id landreg\_1.0:054362f8f9d2de05ea8711b661f30f86727540bac8c9fcbb12ab1f6fb29ad295 --sequence 1 --init-required

+ res=0

2021-11-22 14:03:30.482 IST [chaincodeCmd] ClientWait -> INFO 001 txid [6b41266f68686e4c07aedd6f31589ae348eb261a65b79d15aa1df2c05c3e3420] committed with status (VALID) at localhost:7051

Chaincode definition approved on peer0.org1 on channel 'mychannel'

Using organization 1

Checking the commit readiness of the chaincode definition on peer0.org1 on channel 'mychannel'...

Attempting to check the commit readiness of the chaincode definition on peer0.org1, Retry after 3 seconds.

+ peer lifecycle chaincode checkcommitreadiness --channelID mychannel --name landreg --version 1.0 --sequence 1 --init-required --output json

+ res=0

{

"approvals": {

"Org1MSP": true,

"Org2MSP": false

}

}

Checking the commit readiness of the chaincode definition successful on peer0.org1 on channel 'mychannel'

Using organization 2

Checking the commit readiness of the chaincode definition on peer0.org2 on channel 'mychannel'...

Attempting to check the commit readiness of the chaincode definition on peer0.org2, Retry after 3 seconds.

+ peer lifecycle chaincode checkcommitreadiness --channelID mychannel --name landreg --version 1.0 --sequence 1 --init-required --output json

+ res=0

{

"approvals": {

"Org1MSP": true,

"Org2MSP": false

}

}

Checking the commit readiness of the chaincode definition successful on peer0.org2 on channel 'mychannel'

Using organization 2

+ peer lifecycle chaincode approveformyorg -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls --cafile /home/dev/myprojects/landreghlf/test-network/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem --channelID mychannel --name landreg --version 1.0 --package-id landreg\_1.0:054362f8f9d2de05ea8711b661f30f86727540bac8c9fcbb12ab1f6fb29ad295 --sequence 1 --init-required

+ res=0

2021-11-22 14:03:38.685 IST [chaincodeCmd] ClientWait -> INFO 001 txid [de59d23c68f154f71a48d6034f0b482a5e834950b5f5c484c4f1c28a4b9626e9] committed with status (VALID) at localhost:9051

Chaincode definition approved on peer0.org2 on channel 'mychannel'

Using organization 1

Checking the commit readiness of the chaincode definition on peer0.org1 on channel 'mychannel'...

Attempting to check the commit readiness of the chaincode definition on peer0.org1, Retry after 3 seconds.

+ peer lifecycle chaincode checkcommitreadiness --channelID mychannel --name landreg --version 1.0 --sequence 1 --init-required --output json

+ res=0

{

"approvals": {

"Org1MSP": true,

"Org2MSP": true

}

}

Checking the commit readiness of the chaincode definition successful on peer0.org1 on channel 'mychannel'

Using organization 2

Checking the commit readiness of the chaincode definition on peer0.org2 on channel 'mychannel'...

Attempting to check the commit readiness of the chaincode definition on peer0.org2, Retry after 3 seconds.

+ peer lifecycle chaincode checkcommitreadiness --channelID mychannel --name landreg --version 1.0 --sequence 1 --init-required --output json

+ res=0

{

"approvals": {

"Org1MSP": true,

"Org2MSP": true

}

}

Checking the commit readiness of the chaincode definition successful on peer0.org2 on channel 'mychannel'

Using organization 1

Using organization 2

+ peer lifecycle chaincode commit -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls --cafile /home/dev/myprojects/landreghlf/test-network/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem --channelID mychannel --name landreg --peerAddresses localhost:7051 --tlsRootCertFiles /home/dev/myprojects/landreghlf/test-network/organizations/peerOrganizations/org1.example.com/peers/peer0.org1.example.com/tls/ca.crt --peerAddresses localhost:9051 --tlsRootCertFiles /home/dev/myprojects/landreghlf/test-network/organizations/peerOrganizations/org2.example.com/peers/peer0.org2.example.com/tls/ca.crt --version 1.0 --sequence 1 --init-required

+ res=0

2021-11-22 14:03:47.301 IST [chaincodeCmd] ClientWait -> INFO 001 txid [a82b2efde8d427f7dfae315952f6c2df415c6ca52f920c074fff113b91035edf] committed with status (VALID) at localhost:7051

2021-11-22 14:03:47.303 IST [chaincodeCmd] ClientWait -> INFO 002 txid [a82b2efde8d427f7dfae315952f6c2df415c6ca52f920c074fff113b91035edf] committed with status (VALID) at localhost:9051

Chaincode definition committed on channel 'mychannel'

Using organization 1

Querying chaincode definition on peer0.org1 on channel 'mychannel'...

Attempting to Query committed status on peer0.org1, Retry after 3 seconds.

+ peer lifecycle chaincode querycommitted --channelID mychannel --name landreg

+ res=0

Committed chaincode definition for chaincode 'landreg' on channel 'mychannel':

Version: 1.0, Sequence: 1, Endorsement Plugin: escc, Validation Plugin: vscc, Approvals: [Org1MSP: true, Org2MSP: true]

Query chaincode definition successful on peer0.org1 on channel 'mychannel'

Using organization 2

Querying chaincode definition on peer0.org2 on channel 'mychannel'...

Attempting to Query committed status on peer0.org2, Retry after 3 seconds.

+ peer lifecycle chaincode querycommitted --channelID mychannel --name landreg

+ res=0

Committed chaincode definition for chaincode 'landreg' on channel 'mychannel':

Version: 1.0, Sequence: 1, Endorsement Plugin: escc, Validation Plugin: vscc, Approvals: [Org1MSP: true, Org2MSP: true]

Query chaincode definition successful on peer0.org2 on channel 'mychannel'

Using organization 1

Using organization 2

+ fcn\_call='{"function":"InitLedger","Args":[]}'

+ infoln 'invoke fcn call:{"function":"InitLedger","Args":[]}'

+ println '\033[0;34minvoke fcn call:{"function":"InitLedger","Args":[]}\033[0m'

+ echo -e '\033[0;34minvoke fcn call:{"function":"InitLedger","Args":[]}\033[0m'

invoke fcn call:{"function":"InitLedger","Args":[]}

+ peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls --cafile /home/dev/myprojects/landreghlf/test-network/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem -C mychannel -n landreg --peerAddresses localhost:7051 --tlsRootCertFiles /home/dev/myprojects/landreghlf/test-network/organizations/peerOrganizations/org1.example.com/peers/peer0.org1.example.com/tls/ca.crt --peerAddresses localhost:9051 --tlsRootCertFiles /home/dev/myprojects/landreghlf/test-network/organizations/peerOrganizations/org2.example.com/peers/peer0.org2.example.com/tls/ca.crt --isInit -c '{"function":"InitLedger","Args":[]}'

+ res=0

2021-11-22 14:03:53.521 IST [chaincodeCmd] chaincodeInvokeOrQuery -> INFO 001 Chaincode invoke successful. result: status:200

Invoke transaction successful on peer0.org1 peer0.org2 on channel 'mychannel'

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ export PATH=${PWD}/../bin:$PATH

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ export FABRIC\_CFG\_PATH=$PWD/../config/

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ source ./scripts/setPeerConnectionParam.sh 1 2

Using organization 1

Using organization 2

--peerAddresses localhost:7051 --tlsRootCertFiles /home/dev/myprojects/landreghlf/test-network/organizations/peerOrganizations/org1.example.com/peers/peer0.org1.example.com/tls/ca.crt --peerAddresses localhost:9051 --tlsRootCertFiles /home/dev/myprojects/landreghlf/test-network/organizations/peerOrganizations/org2.example.com/peers/peer0.org2.example.com/tls/ca.crt

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ source ./scripts/setOrgPeerContext.sh 1

Using organization 1

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$ peer chaincode invoke -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls --cafile ${PWD}/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem -C mychannel -n landreg $PEER\_CONN\_PARAMS -c '{"function":"QueryProp","Args":["PROP1"]}'

2021-11-22 14:07:46.156 IST [chaincodeCmd] chaincodeInvokeOrQuery -> INFO 001 Chaincode invoke successful. result: status:200 payload:"{\"proptype\":\"Ind House\",\"propcity\":\"Bengaluru\",\"propstate\":\"KA\",\"propsqft\":\"3200\",\"propowner\":\"Abraham\"}"

(base) dev@devm-laptop:~/myprojects/landreghlf/test-network$