Commit the Chaincode

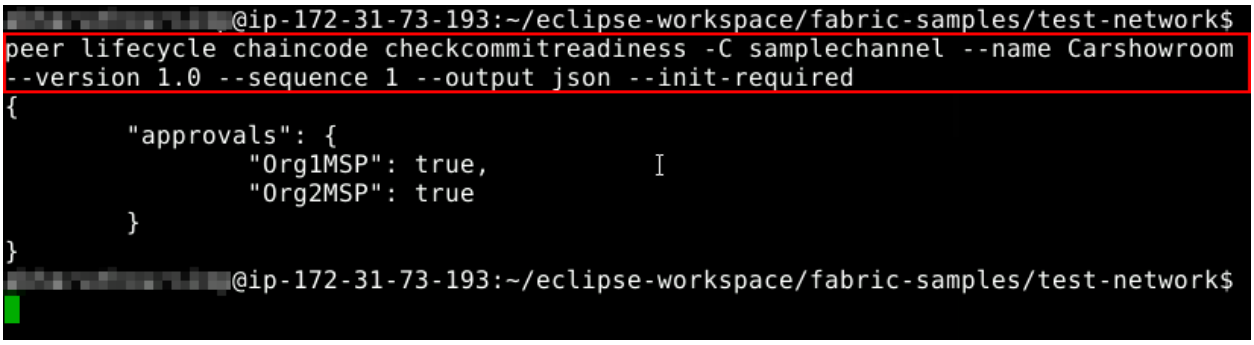
Steps to be followed:

1. Checking commit readiness for Org1 and Org2
2. Committing the chaincode definition to samplechannel
3. Querying the committed chaincode from samplechannel

Step 1: Checking commit readiness for Org1 and Org2

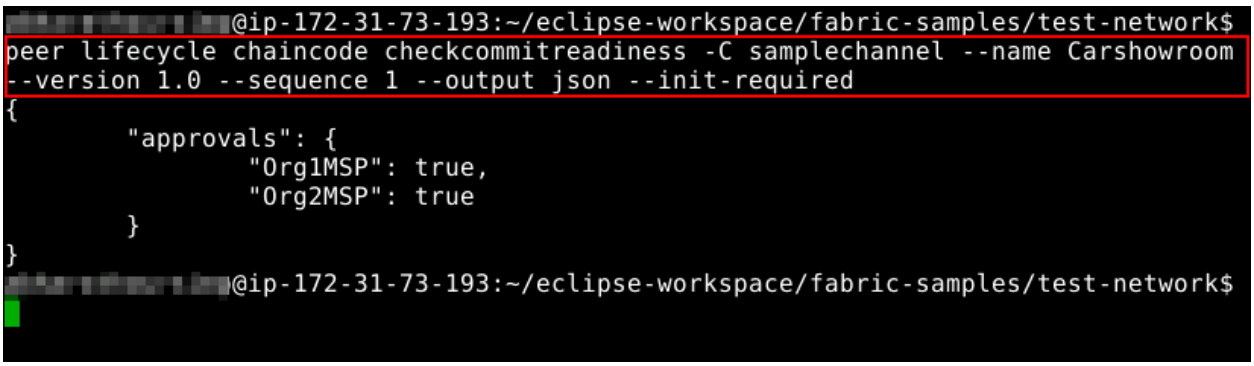
1.1 Run the following command to check commit readiness for Org1:

peer lifecycle chaincode checkcommitreadiness -C samplechannel --name Carshowroom --version 1.0 --sequence 1 --output json --init-required



1.2 Run the following command to check commit readiness for Org2:

peer lifecycle chaincode checkcommitreadiness -C samplechannel --name Carshowroom --version 1.0 --sequence 1 --output json --init-required



Step 2: Committing the chaincode definition to samplechannel

2.1 Run the following command to create a file for channel commit:

nano lifecycle_setup_Channel_commit.sh

2.2 Add the following code in the **lifecycle_setup_Channel_commit.sh** file:

#!/bin/sh

export PATH=${PWD}/../bin:${PWD}:$PATH

export FABRIC_CFG_PATH=$PWD/../config/

export CORE_PEER_TLS_ENABLED=true

export CORE_PEER_LOCALMSPID="Org1MSP"

export CORE_PEER_TLS_ROOTCERT_FILE_ORG1=${PWD}/organizations/peerOrganizations/org1.example.com/peers/peer0.org1.example.com/tls/ca.crt

export CORE_PEER_TLS_ROOTCERT_FILE_ORG2=${PWD}/organizations/peerOrganizations/org2.example.com/peers/peer0.org2.example.com/tls/ca.crt

export CORE_PEER_MSPCONFIGPATH=${PWD}/organizations/peerOrganizations/org1.example.com/users/Admin@org1.example.com/msp

export CORE_PEER_ADDRESS=localhost:7051

export ORDERER_CA=${PWD}/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem

```
 GNU nano 2.5.3                File: lifecycle_setup_Channel_commit.sh

#!/bin/sh

export PATH=${PWD}/../bin:${PWD}:$PATH

export FABRIC_CFG_PATH=$PWD/../config/


export CORE_PEER_TLS_ENABLED=true

export CORE_PEER_LOCALMSPID="Org1MSP"

export CORE_PEER_TLS_ROOTCERT_FILE_ORG1=${PWD}/organizations/peerOrganizations/org1.example.com/peer$

export CORE_PEER_TLS_ROOTCERT_FILE_ORG2=${PWD}/organizations/peerOrganizations/org2.example.com/peer$

export CORE_PEER_MSPCONFIGPATH=${PWD}/organizations/peerOrganizations/org1.example.com/users/Admin@o$

export CORE_PEER_ADDRESS=localhost:7051

export ORDERER_CA=${PWD}/organizations/ordererOrganizations/example.com/orderers/orderer.example.com$



^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify  ^C Cur Pos  ^Y Prev Page
^X Exit      ^R Read File  ^\ Replace   ^U Uncut Text ^T To Linter ^_ Go To Line ^V Next Page
```

2.3 Run the lifecycle_setup_Channel_commit.sh file using the following command:

source ./lifecycle_setup_Channel_commit.sh

```
[redacted]@ip-172-31-73-193:~/eclipse-workspace/fabric-samples/test-network$
source ./lifecycle_setup_Channel_commit.sh
[redacted]@ip-172-31-73-193:~/eclipse-workspace/fabric-samples/test-network$
```

2.4 Run the following command to commit the chaincode definition to **samplechannel**:

peer lifecycle chaincode commit -o localhost:7050 --ordererTLSHostnameOverride orderer.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel --name Carshowroom --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS_ROOTCERT_FILE_ORG2 --version 1.0 --sequence 1 --init-required

```
[redacted]@ip-172-31-73-193:~/eclipse-workspace/fabric-samples/test-network$ p
eer lifecycle chaincode commit -o localhost:7050 --ordererTLSHostnameOverride order
er.example.com --tls $CORE_PEER_TLS_ENABLED --cafile $ORDERER_CA -C samplechannel -
-name Carshowroom --peerAddresses localhost:7051 --tlsRootCertFiles $CORE_PEER_TLS_
ROOTCERT_FILE_ORG1 --peerAddresses localhost:9051 --tlsRootCertFiles $CORE_PEER_TLS
_ROOTCERT_FILE_ORG2 --version 1.0 --sequence 1 --init-required
2021-06-08 12:39:22.024 UTC [chaincodeCmd] ClientWait -> INFO 001 txid [f3d3e551edf
75c351f12766b25f7ce7454c810b2ba9204c338ff08bce3402b39] committed with status (VALID
) at localhost:9051
2021-06-08 12:39:22.027 UTC [chaincodeCmd] ClientWait -> INFO 002 txid [f3d3e551edf
75c351f12766b25f7ce7454c810b2ba9204c338ff08bce3402b39] committed with status (VALID
) at localhost:7051
[redacted]@ip-172-31-73-193:~/eclipse-workspace/fabric-samples/test-network$
```

Step 3: Querying the committed chaincode from samplechannel

3.1 Run the following command to query the committed chaincode definition from the samplechannel:

peer lifecycle chaincode querycommitted -C samplechannel --name Carshowroom

```
[redacted]@ip-172-31-73-193:~/eclipse-workspace/fabric-samples/test-network$
peer lifecycle chaincode querycommitted -C samplechannel --name Carshowroom
Committed chaincode definition for chaincode 'Carshowroom' on channel 'samplechann
el':
Version: 1.0, Sequence: 1, Endorsement Plugin: escc, Validation Plugin: vscc, Appr
ovals: [Org1MSP: true, Org2MSP: true]
[redacted]@ip-172-31-73-193:~/eclipse-workspace/fabric-samples/test-network$
```