Graphical user interface, text

Description automatically generated

**Lesson 3 Demo 7**

**Commit the Chaincode**

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| **Objective:** To check the commit readiness of the chaincode and commit it to a channel  **Tools required:** Ubuntu  **Prerequisites:** Lesson 1 Demo 6 |

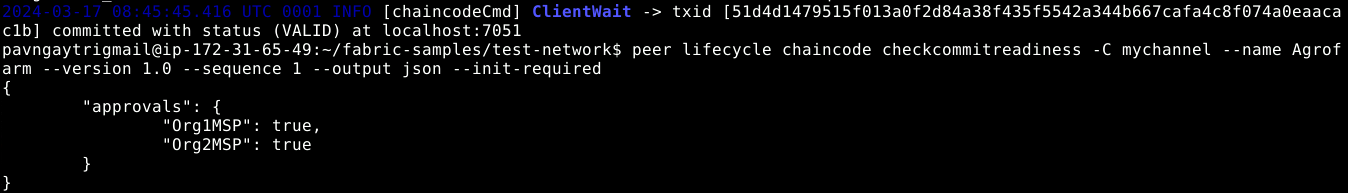
Steps to be followed:

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

**Step 1: Checking commit readiness for Org1 and Org2**

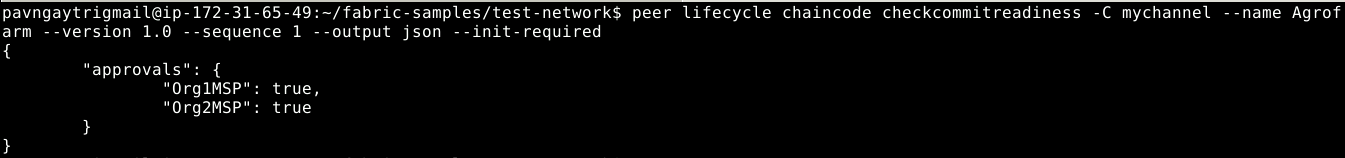
1. Run the following command to check commit readiness for Org1:

***peer lifecycle chaincode checkcommitreadiness -C mychannel --name Agrofarm --version 1.0 --sequence 1 --output json --init-required***

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1. Run the following command to check commit readiness for Org2:

***peer lifecycle chaincode checkcommitreadiness -C mychannel --name Agrofarm --version 1.0 --sequence 1 --output json --init-required***



**Step 2: Committing the chaincode definition to samplechannel**

1. Run the following command to create a file for channel commit:***nano lifecycle\_setup\_Channel\_commit.sh***
2. Add the following code to 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***

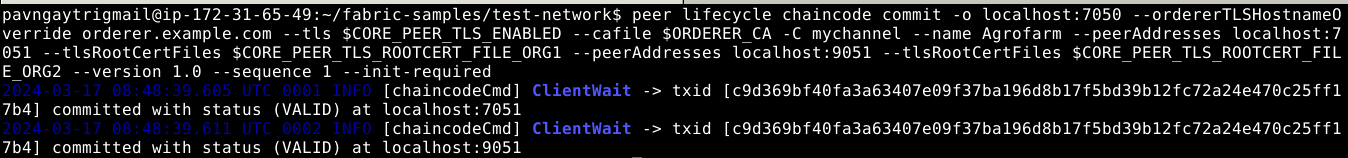
***export ORDERER\_CA=${PWD}/organizations/ordererOrganizations/example.com/orderers/orderer.example.com/msp/tlscacerts/tlsca.example.com-cert.pem***

1. Run the lifecycle\_setup\_Channel\_commit.sh file using the following command:

***source ./lifecycle\_setup\_Channel\_commit.sh***

1. 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 mychannel --name Agrofarm --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***

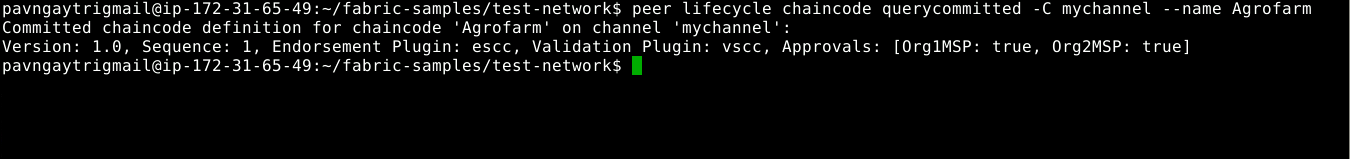
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**Step 3: Querying the committed chaincode from mychannel**

1. Run the following command to query the committed chaincode definition from mychannel:

The below command should be run on Org1.

***peer lifecycle chaincode querycommitted -C mychannel --name Carshowroom***



The ***Agrofarm*** chaincode is committed on the channel.