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Assignment No. 2: Create Hyperledger Fabric Network and create a channel manually
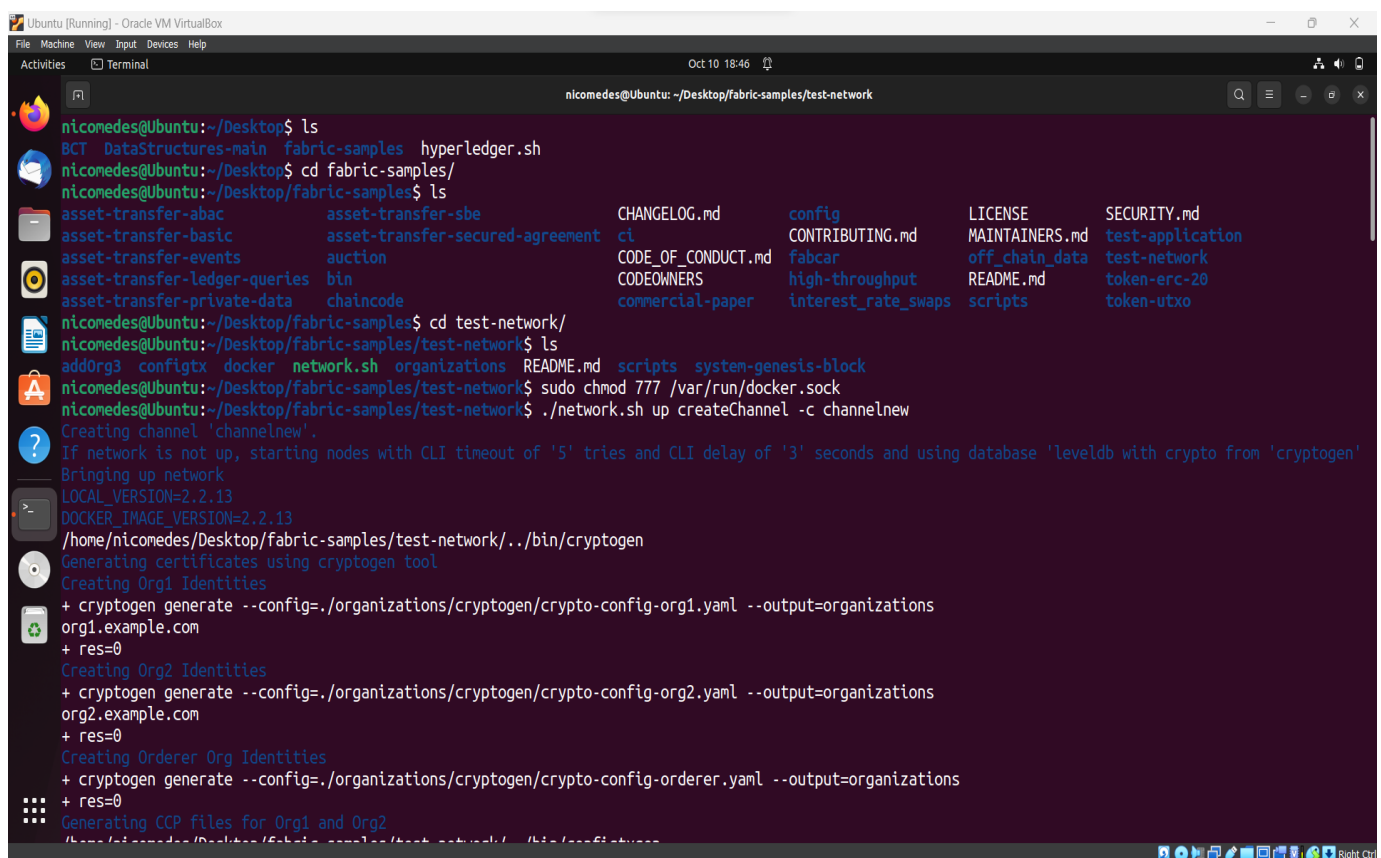
Open the folder "fabric-samples" in terminal

Set path to "test-network" folder in fabric-samples

```
Cd fabric-samples/test-network
```

Then execute following command to create channel

```
./network.sh up createChannel -c <channelname>
```

2023-10-10 13:16:07.444 UTC [channelCmd] fetch -> INFO 003 Retrieving last config block: 1
2023-10-10 13:16:07.446 UTC [cli.common] readBlock -> INFO 004 Received block: 1
Decoding config block to JSON and isolating config to Org2MSPconfig.json
+ jq '.data.data[0].payload.data.config'
+ configtxlator proto_decode --input config_block.pb --type common.Block
Generating anchor peer update transaction for Org2 on channel channelnew
+ 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 channelnew --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":"channelnew", "type":2}},"data":{"config_update":{' '"channel_id":' '"channelnew",' '"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":' '"1"' '}' '},' '"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":' '"1"' '}' '},' '"mod_policy":' '"",' '"policies":' '{},' '"values":' '{},' '"version":' '"0"' '}' '}}}'
+ configtxlator proto_encode --input config_update_in_envelope.json --type common.Envelope
2023-10-10 13:16:07.737 UTC [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized
2023-10-10 13:16:07.754 UTC [channelCmd] update -> INFO 002 Successfully submitted channel update
Anchor peer set for org 'Org2MSP' on channel 'channelnew'
Channel 'channelnew' joined
nicomedes@Ubuntu:~/Desktop/fabric-samples/test-network$

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