Errors

Error: got unexpected status: FORBIDDEN -- config update for existing channel did not pass initial checks: implicit policy evaluation failed - 0 sub-policies were satisfied, but this policy requires 1 of the 'Writers' sub-policies to be satisfied: permission denied

<https://stackoverflow.com/questions/59498185/got-this-policy-requires-1-of-the-writers-sub-policies-to-be-satisfied-permi>

Solution: channel name and system channel name should be different

generateChannelArtifacts function is network.sh

configtxgen -profile OrdererGenesis -channelID pharma-sys-channel -outputBlock ./channel-artifacts/genesis.block

Yaml file syntax error

Permission denied error

<https://github.com/avi-githb/Pharma_Network_Hyperledger_fabric>

<https://github.com/ialberquilla/hlf1.4-supply-chain>

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Network Setup

1. Install curl

sudo apt install curl

1. Install Docker

sudo apt install docker

1. Install Docker compose

sudo apt install docker-compose

1. Install golang

sudo apt install golang

1. Install node and npm
2. Create a project folder (name the folder without space)
3. Create a folder – network
4. crypto-config.yaml
5. configtx.yaml
6. docker-compose-template.yaml
7. docker-compose-base.yaml
8. docker-compose-peer.yaml
9. peer-base.yaml
10. network.sh : networkUp, checkPrereqs, generateCerts, replacePrivateKey, generateChannelArtifacts
11. scripts/bootstrap.sh : createChannel, joinChannel
12. scripts/utils.sh : updateAnchorPeers, verifyResult, setGlobals, joinChannelWithRetry
13. docker-compose-peer.yaml ->> peer node start --peer-chaincodedev=true
14. docker-compose-template.yaml ->> FABRIC\_CA\_SERVER\_TLS\_ENABLED=false
15. cd network folder
16. curl -sSL https://bit.ly/2ysbOFE | bash -s
17. copy and paste “bin” and “config” folders from fabric-samples to network folder
18. Delete fabric-samples folder
19. chmod 777 network.sh
20. ./network.sh up
21. chaincode -> package.json -> scripts

"start-dev": "fabric-chaincode-node start --peer.address peer0.manufacturer.pharma.net:7053 --chaincode-id-name common:1.0"

1. ./network.sh : bootstrapRetry, installChaincode
2. ./scripts/installChaincode.sh
3. utils.sh : packageChaincode, installChaincode, queryInstalled, approveForMyOrg, commitChaincodeDefinition, parsePeerConnectionParameters
4. updateChaincode.sh
5. utils.sh : upgradeChaincode