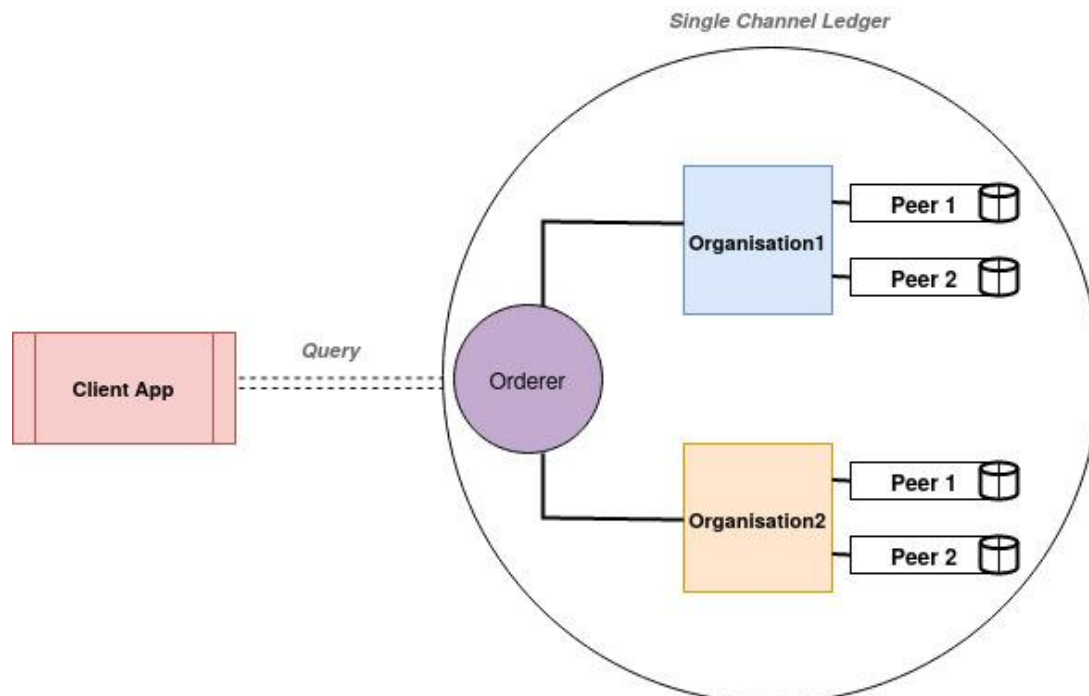


This script uses Hyperledger Fabric v.2.3.+, follows the Fabric sample Chaincode and it Installs, Approves, Commits, and Instantiates the Chaincode to all the Peers, Organisations, Orderers, and shows 6 dummy assets, with dummy data, when queried from an outside app.

Ledger Architecture:

1. It is a single channel architecture which has 2 organisations, one orderer.
2. Each organisation has 2 peers each. Both peers from an organization need to agree to the changes in the asset.
3. The chaincode is deployed in both organisations and will run on top of the blockchain.
4. The architecture contains an Application aspect and a Chaincode aspect. In the application aspect a basic client application uses the node libraries to connect with the blockchain(chaincode).
5. The chaincode comprises a simple asset registry. We are going to have some dummy assets and those are going to be created and accessed using some command from the client side.
6. The chaincode is installed, approved and committed for the organisations.
7. It is just for testing purposes. Therefore, the assets can be updated with meaningful details later related to GLASS.



After setting up the environment in a system, the following command can be executed to interact with the ledger from the asset-app.

From the test-network folder `./network.sh up`

To query the list of assets from the client side:

```
node ledgerActions.js GetAllAssets
```

To query a single assets from the client side:

```
node ledgerActions.js ReadAsset asset1
```

Commands to query the ledger within the channel will be included here;