

**Blueventure:
Blockchain Lab**

Track-and-Trace Blockchain
Workshop for Hyperledger
Fabric 2.2 (BETA)

▼ Create a Hyperledger Fabric
Network

► Create Network & Member

► Accept invite and create
Supplier member

Congratulations

► Setup Development
Environment

► Set up a Fabric client

▼ Write and deploy chaincode

Chaincode development
environment

Write chaincode

Create sharing policy

▼ AWS account access

[Open AWS console](#)
(us-east-1)

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Exit event

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Join main channel

All members **except** the Retailer should run the following commands in their respective Cloud terminals.

Download the MSP admin certs from the shared S3 bucket.

```
1 cd
2 aws s3api get-object --bucket $BUCKET_NAME --key certs.tgz $HOME/certs.tgz
3 tar zxvf certs.tgz
```



Download the genesis block of the channel:

```
1 peer channel fetch oldest $HOME/mainchannel.block -c mainchannel -o $ORDERER --cafile $HOME/managedblockchain-tls-chain.pem --tls
```



The output should look like:

```
1 2020-07-23 03:59:31.157 UTC [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized
2 2020-07-23 03:59:31.164 UTC [cli/common] readBlock -> INFO 002 Received block: 0
```



Join the first peer to the channel:

```
1 peer channel join -b $HOME/mainchannel.block
```



The output should look like:

```
1 2020-07-23 03:59:37.234 UTC [channelCmd] InitCmdFactory -> INFO 001 Endorser and orderer connections initialized
2 2020-07-23 03:59:37.518 UTC [channelCmd] executeJoin -> INFO 002 Successfully submitted proposal to join channel
```



Check whether the first peer has successfully joined the channel `mainchannel`

```
1 peer channel list
```



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You should receive the output below:

```
1 Channels peers has joined:
2 mainchannel
```



Join the second peer to the channel:

```
1 CORE_PEER_ADDRESS=$PEER2ENDPOINT peer channel join -b $HOME/mainchannel.block
```



Check whether the second peer has successfully joined the channel `mainchannel`

```
1 peer channel list
```



You should receive the output below:

```
1 Channels peers has joined:
2 mainchannel
```



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