10/19/23, 8:43 AM Blueventure: Blockchain Lab

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Track-and-Trace Blockchain

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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

Network configuration

Update Cloud9 Networking

Create VPC endpoint

- ▼ Configure client instance
- ▼ AWS account access

Open AWS console (us-east-1)

Get AWS CLI credentials

Exit event

Event dashboard > Set up a Fabric client > Configure client instance > Setup Fabric binaries

Setup Fabric binaries

Now that you have verified that you can connect to the Hyperledger Fabric CA, run the following commands to download the Hyperledger Fabric binaries:

```
1 cd
2 curl -sSL http://bit.ly/2ysb0FE | bash -s -- 2.2.4 1.5.2 -d -s
3 mv config/core.yaml . && rm -r config
```

Check whether peer binary is correctly downloaded:

```
1 peer version
```

You should see output like this:

```
peer:

Version: 2.2.4

Commit SHA: 263ca9e14

Go version: gol.16.7

OS/Arch: linux/amd64

Chaincode:

Base Docker Label: org.hyperledger.fabric

Docker Namespace: hyperledger
```

Check whether fabric-ca-client binary is correctly downloaded:

```
1 fabric-ca-client version
```

You should see output like this:

```
1 fabric-ca-client:
2 Version: 1.5.2
3 Go version: gol.16.7
4 OS/Arch: linux/amd64
```

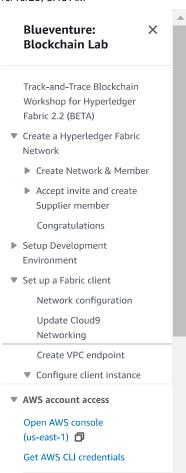
The following commands add environment variables relevant to peer binary configuration to your bash profile:





(1)

Exit event



```
ð
1
     cd
     add_line_to_profile_if_not_there() { grep -qxF "$1" .bash_profile || echo "$1" >> .bash_profile; }
     export line="export CORE PEER TLS ENABLED=true"
     add_line_to_profile_if_not_there "$line"
     export line="export CORE_PEER_TLS_ROOTCERT_FILE=\"\$HOME/managedblockchain-tls-chain.pem\""
     add_line_to_profile_if_not_there "$line"
     export line="export CORE_PEER_LOCALMSPID=\"\$MEMBERID\""
     add_line_to_profile_if_not_there "$line"
9
     export line="export CORE_PEER_MSPCONFIGPATH=\"\$HOME/admin-msp\""
     add_line_to_profile_if_not_there "$line"
10
     export line="export CORE_PEER_ADDRESS=\"\$PEER1ENDPOINT\""
11
     add_line_to_profile_if_not_there "$line"
```

Now apply those changes by sourcing .bash_profile:

```
1 source ~/.bash_profile
```



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