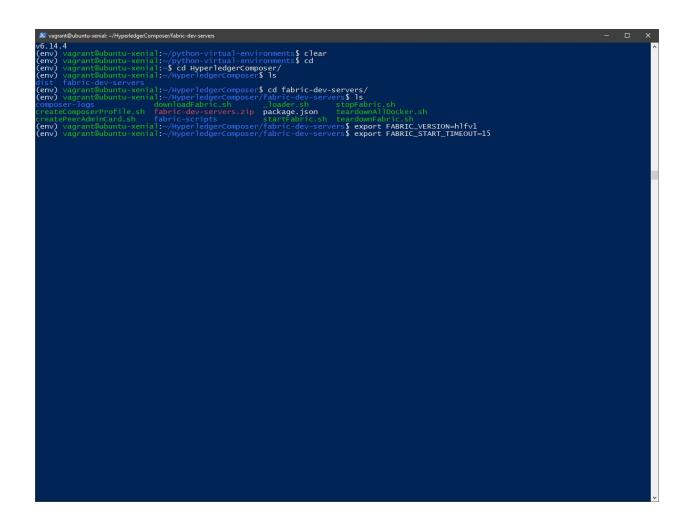


```
vagrant@ubuntu-xenial: ~/python-virtual-environments
```



```
vagrant@ubuntu-xenial: ~/HyperledgerComposer/fabric-dev-servers
(env) vagrant@ubuntu-xenial:~\$ cd HyperledgerComposer/
(env) vagrant@ubuntu-xenial:~\HyperledgerComposer\$ cd fabric-dev-servers/
(env) vagrant@ubuntu-xenial:~\HyperledgerComposer\fabric-dev-servers\$ ls
composer-logs downloadFabric.sh _loader.sh stopFabrondow
#Detect architecture
ARCH=`uname -m
uname -m
# Grab the current directory
DIR="$( cd "$( dirname "${BASH_SOURCE[0]}" )" && pwd )"
cd "$( dirname "${BASH_SOURCE[0]}" )" && pwd
dirname "${BASH_SOURCE[0]}"
ARCH=$ARCH docker-compose -f "${DIR}"/composer/docker-compose.yml down stopping peer0.org1.example.com ... done stopping ca.org1.example.com ... done stopping orderer.example.com ... done stopping couchdb ... done stopping couchdb ... done
Removing peer0.org1.example.com done
Removing ca.org1.example.com done
Removing orderer.example.com done
Removing couchdb

Removing couchdb

Removing network composer_default

ARCH=$ARCH docker-compose -f "${DIR}"/composer/docker-compose.yml up -d

Creating network "composer_default" with the default driver
Creating couchdb
Creating ca.orgl.example.com ... done
Creating orderer.example.com ... done
Creating peer0.orgl.example.com ... done
# wait for Hyperledger Fabric to start
# incase of errors when running later commands, issue export FABRIC_START_TIMEOUT=<larger numb
echo ${FABRIC_START_TIMEOUT}
sleep ${FABRIC_START_TIMEOUT}
```

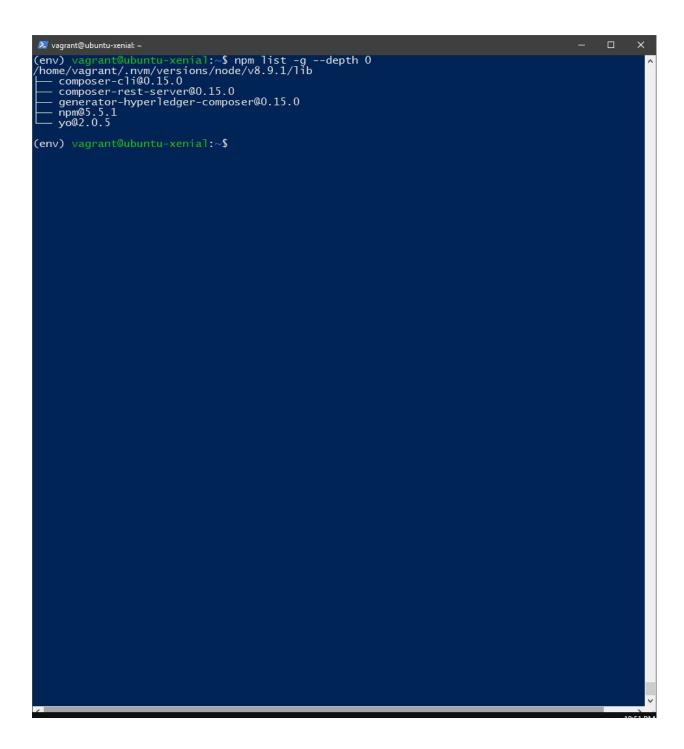
```
vagrant@ubuntu-xenial: ~/HyperledgerComposer/fabric-dev-servers
              -19 03:41:30.859 UTC [msp] GetDefaultSigningIdentity
                                                                                                              -> DEBU 005 Obtaining default sign/
 ing identity
 .
2018-11-19 03:41:30.859 UTC [msp] GetLocalMSP -> DEBU 006 Returning existing local MSP
2018-11-19 03:41:30.859 UTC [msp] GetDefaultSigningIdentity -> DEBU 007 Obtaining default sign
ing identity
2018-11-19 03:41:30.860 UTC [msp/identity] Sign -> DEBU 008 Sign: plaintext: 0A8C060A074F72673
14D53501280062D...6D706F736572436F6E736F727469756D
                                                                              Sign -> DEBU 009 Sign: digest: DE32B673CB77ECE51C17
2018-11-19 03:41:30.860 UTC [msp/identity] Sign -> bebo 009 Sign. digest. beseo 5657:Eccsient

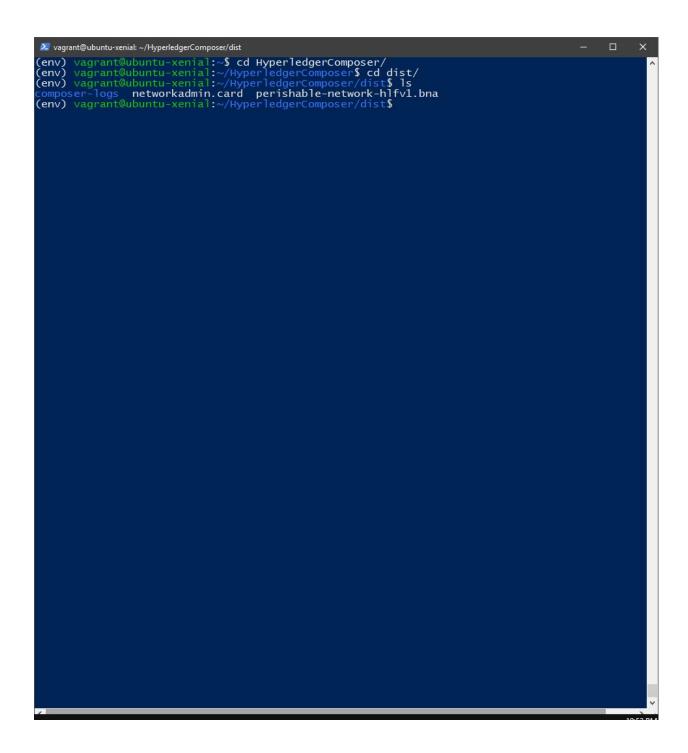
5FC8729099E0DB5A1F5495B7251865A815068D03081B

2018-11-19 03:41:30.860 UTC [msp] GetLocalMSP -> DEBU 00a Returning existing local MSP

2018-11-19 03:41:30.860 UTC [msp] GetDefaultSigningIdentity -> DEBU 00b Obtaining default sign
ing identity
2018-11-19 03:41:30.861 UTC [msp] GetLocalMSP -> DEBU 00c Returning existing local MSP
2018-11-19 03:41:30.861 UTC [msp] GetDefaultSigningIdentity -> DEBU 00d Obtaining default sign
ing identity
2018-11-19 03:41:30.861 UTC [msp/identity] Sign -> DEBU 00e Sign: plaintext: 0AC9060A1B08021A0
608EAE1C8DF0522...D6EBA79B9FD4A95FDBC4B65098D5DFB0
                                                                              Sign -> DEBU 00f Sign: digest: 1A8AD921C4568CFB3079
 2A3C52A87F97E86F3BF01DCCD0F528CC556005FC8DA
2018-11-19 03:41:30.924 UTC [msp] GetLocalMSP -> DEBU 010 Returning existing local MSP
2018-11-19 03:41:30.924 UTC [msp] GetDefaultSigningIdentity -> DEBU 011 Obtaining default sign
 ing identity
 .018-11-19 03:41:30.924 UTC [msp] GetLocalMSP -> DEBU 012 Returning existing local MSP
.018-11-19 03:41:30.924 UTC [msp] GetDefaultSigningIdentity -> DEBU 013 Obtaining default sign
ing identity
2018-11-19 03:41:30.924 UTC [msp/identity] Sign -> DEBU 014 Sign: plaintext: 0AC9060A1B08021A0
608EAE1C8DF0522...F4BD95C858CD12080A021A0012021A00
608EAE1C8DF0522...F4BD95C858CD12080A021A0012021A00
                                                                              Sign -> DEBU 015 Sign: digest: 9B01F6F8E60245A304C7
 761A9D64637197647CFDA96A1A0DCA7B0E027B9A111
 2018-11-19 03:41:30.925 UTC [channelCmd] readBlock -> DEBU 016 Got status: &{NOT_FOUND}
2018-11-19 03:41:30.925 UTC [msp] GetLocalMSP -> DEBU 017 Returning existing local MSP
2018-11-19 03:41:30.925 UTC [msp] GetDefaultSigningIdentity -> DEBU 018 Obtaining default sign
ing identity
2018-11-19 03:41:30.926 UTC [channelCmd] InitCmdFactory -> INFO 019 Endorser and orderer conne ctions initialized
2018-11-19 03:41:31.130 UTC [msp] GetLocalMSP -> DEBU 01a Returning existing local MSP
 2018-11-19 03:41:31.130 UTC [msp] GetLocalMSP -> DEBU 01a Returning existing local MSP
2018-11-19 03:41:31.130 UTC [msp] GetDefaultSigningIdentity -> DEBU 01b Obtaining default sign
ing identity
2018-11-19 03:41:31.130 UTC [msp] GetLocalMSP -> DEBU 01c Returning existing local MSP
2018-11-19 03:41:31.130 UTC [msp] GetDefaultSigningIdentity -> DEBU 01d Obtaining default sign
ing identity
2018-11-19 03:41:31.130 UTC [msp/identity] Sign -> 608EBE1c8DF0522...6335F3238A0012080A021A0012021A00
                                                                                          > DEBU 01e Sign: plaintext: 0AC9060A1B08021A0
                                                                               Sign -> DEBU 01f Sign: digest: 85C77238390A6A4FDC05
249B34F75D08A237CA723531213E01D8F21878D0512B
                                                              elCmd] readBlock
                                                                                             -> DEBU 020 Received block: 0
2018-11-19 03:41:31.134 UTC [main] main -> INFO 021 Exiting.....
# Join peer0.org1.example.com to the channel.
docker exec -e "CORE_PEER_MSPCONFIGPATH=/etc/hyperledger/msp/users/Admin@org1.example.com/msp"
peer0.org1.example.com peer channel join -b composerchannel.block
2018-11-19 03:41:31.602 UTC [msp] GetLocalMSP -> DEBU 001 Returning existing local MSP
2018-11-19 03:41:31.602 UTC [msp] GetDefaultSigningIdentity -> DEBU 002 Obtaining default sign
ing identity
2018-11-19 03:41:31.604 UTC [channelCmd] InitCmdFactory -> INFO 003 Endorser and orderer conne
ctions initialized
2018-11-19 03:41:31.605 UTC [msp/identity] Sign -> C08EBE1C8DF0510...23465014E12A1A080A000A000A000A00
                                                                                          > DEBU 004 Sign: plaintext: 0A8A070A5C08011A0
                                                                              Sign -> DEBU 005 Sign: digest: 91A207370500C2803074
F906029D321C6D56B58BC242D057D3DE19FB062C4AFD
2018-11-19 03:41:31.773 UTC [channelCmd] executeJoin -> INFO 006 Peer joined the channel! 2018-11-19 03:41:31.773 UTC [main] main -> INFO 007 Exiting..... (env) vagrant@ubuntu-xenial:~/HyperledgerComposer/fabric-dev-servers$ _
```

```
wait for purple dogs Parts to Start
| Incase of errors when running later commands, issue export FABRIC_START_THMEOUT=clarger numbers
| Commands | Command
```





```
vagrant@ubuntu-xenial: ~/HyperledgerComposer/dist
Deploying business network definition. This may take a minute...
Successfully created business network card to networkadmin.card
(env) vagrant@ubuntu-xenial:~/HyperledgerComposer/dist$
```

≥ vagrant@ubuntu-xenial: ~/HyperledgerComposer/dist	X
(env) vagrant@ubuntu-xenial:~/HyperledgerComposer/dist\$ composer card imported cd error: Card already exists: admin@perishable-network command failed	rtfile networkadm ^
(env) vagrant@ubuntu-xenial:~/HyperledgerComposer/dist\$	

```
vagrant@ubuntu-xenial: ~/HyperledgerComposer/dist
 (env) vagrant@ubuntu-xenial:\sim/HyperledgerComposer/dist$ composer-rest-server -v v0.15.0
 (env) vagrant@ubuntu-xenial:~/HyperledgerComposer/dist$ composer-rest-server
     Enter the name of the business network card to use: admin@perishable-network Specify if you want namespaces in the generated REST API: always use namespaces Specify if you want to enable authentication for the REST API using Passport: No Specify if you want to enable event publication over WebSockets: No Specify if you want to enable TLS security for the REST API: No
To restart the REST server using the same options, issue the following command:
composer-rest-server -c admin@perishable-network -n always
Discovering types from business network definition ...
Discovered types from business network definition
Generating schemas for all types in business network definition ...
Generated schemas for all types in business network definition
Adding schemas for all types to Loopback ...
Added schemas for all types to Loopback
Web server listening at: http://localhost:3000
Browse your REST API at http://localhost:3000/explorer
```

