



SETTING UP A FULL NODE ON FLIXNET-2

STEP 1: Initial Setup

Install GoLang

Remove existing old Go installation

```
sudo rm -rf /usr/local/go
```

Install latest/required Go version (installing go1.16.5)

```
curl https://dl.google.com/go/go1.16.7.linux-amd64.tar.gz | sudo tar -C /usr/local -zvxf -
```

Update Environment variables to include go

```
cat <<'EOF' >>${HOME}/.profile
export GOROOT=/usr/local/go
export GOPATH=${HOME}/go
export GO111MODULE=on
export PATH=$PATH:/usr/local/go/bin:${HOME}/go/bin
EOF
```

Source profile

```
source ${HOME}/.profile
```

Check installed go version

```
go version
```

Install required software packages

```
sudo apt-get install git curl build-essential make jq -y
```

STEP 2 : Install OmniFlixHub

Install OmniFlixHub

```
git clone https://github.com/Omniflix/omniflixhub.git
cd omniflixhub
git fetch --all
git checkout v0.2.1
make install
```

Verify your installation

```
omniflixhubd version --long
```

Output must look like the text in the below box.

Make sure the version and commit hash are accurate as follows:

```
name: OmniFlixHub
server_name: omniflixhubd
version: 0.2.1
commit: 013609d6c7af71a85e94b8e21514debc5afb8e0c
```

STEP 3: Setup Node and Account Keys

Initialize Node

```
omniflixhubd init <your-node-moniker> --chain-id flixnet-2
```

WARNING: Backup node and validator keys. You will need to use these keys at a later point in time.

Create Account keys

```
omniflixhubd keys add <key-name>
```

WARNING: Save mnemonic and account details. We will need this mnemonic/private key to recover accounts.

HARDWARE REQUIREMENTS



Minimum	Recommended
CPU: 1 core	CPU: 2 core
RAM: 2GB	RAM: 4GB
Storage: 25GB SSD	Storage: 50GB SSD

FOR FULL INSTRUCTIONS VISIT:

For Genesis Validators: [/genesisValidators.md](#)

To run a Full Node: [/runFullNode.md](#)

For RunTime Validators: [/runValidator.md](#)

STEP 4 : Download Genesis

Download the genesis file

```
curl https://raw.githubusercontent.com/Omniflix/testnets/main/flixnet-2/genesis.json > ~/.omniflixhub/config/genesis.json
```

Verify sha256 hash of genesis file which should be:
3287e021470ece9ac6d79bcc0f322fb496dc27c3cd41e9064e8ffb7c318b68b

```
jq -S -c -M " ~/.omniflixhub/config/genesis.json | shasum -a 256
```

Update Seeds and Persistent Peers

Update seeds/peers in [~/.omniflixhub/config/config.toml](#)

```
seeds="cdd6f704a2ecb6b9e53a9b753c894c95976e5cbe@45.72.100.1
21:26656,b0679b09bb72dfc29c332b5ea754cd578d106a49@45.72.100
.122:26656"
peers="65e362590690cedccdf5c7f4fc1b67c9d7b04fb2@45.72.100.11
8:26656,368a9a2b5096de253aae302ff15a0a77fe06416@45.72.100.1
19:26656,cf8a7600b3daf23e9a3ce67ebe50c4af44701aa8@45.72.100.
123:26656,93433a8c325d5ed5d2484d7fd23cda3dac511392@45.72.10
0.124:26656"
```

```
sed -i.bak -e "s/^seeds *=.*/seeds = \"$seeds\"/; s/^persistent_peers *=.*/persistent_peers = \"$peers\"/" ~/.omniflixhub/config/
config.toml
```

STEP 5 - START NODE WITH SCREEN SESSION

Update the limit of number of open files

```
ulimit -Sn 65535
ulimit -Hn 65535
# Verify the values above are updated accurately
ulimit -n
```

Start Screen

Install screen if not installed

```
sudo apt-get install screen -y
```

Start new screen with a name

```
screen -Rd <screen-name>
```

Start Node

NOTE: you can use **CTRL+A+D** to detach from screen

```
start omniflixhub
omniflixhub unsafe-reset-all
omniflixhub start
```

OR

Load Service and Start

```
sudo systemctl daemon-reload
sudo systemctl enable omniflixhubd
sudo systemctl start omniflixhubd
```

Check status of the service

```
sudo systemctl status omniflixhubd
```

Checking full logs of Service using "journalctl"

Check logs

```
journalctl -u omniflixhubd
```

For most recent logs,

```
journalctl -xeu omniflixhubd
```

For logs from previous day,

```
journalctl --since "1 day ago" -u omniflixhubd
```

Check logs with follow flag

```
journalctl -f -u omniflixhubd
```



/ OmniFlixNetwork