



# OMNIFLIX

# SETTING UP A VALIDATOR NODE ON THE OMNIFLIX NETWORK

## 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/go1.16.5.linux-amd64.tar.gz | sudo tar -C/usr/local -zxvf -
```

### 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 checkout v0.1.0
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 as follows:

```
name: OmniFlixHub
server_name: omniflixhubd
version: 0.1.0
commit: 95e2aebaf02406bdcc78f9268380528bd1a25617
```

## STEP 3: Setup Node and Account Keys

### Initialize Node

```
omniflixhubd init <your-node-moniker> --chain-id flixnet-1
```

### 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

ubuntu 20.04

Minimum  
CPU: 1 core  
RAM: 2GB  
Storage: 25GB SSD

Recommended  
CPU: 2 core  
RAM: 4GB  
Storage: 50GB SSD

## STEP 4 : Download Genesis

### Download the genesis file

```
curl https://raw.githubusercontent.com/OmniFlix/testnets/main/flixnet-1/genesis.json > ~/.omniflixhub/config/genesis.json
```

Verify sha256 has of genesis file which should be:

```
ced9186f654d7598125fb23756d14ff0692892322d4ff35eebd467166cb0883e
```

```
shasum -a 256 ~/.omniflixhub/config/genesis.json
```

### Update Seeds and Persistent Peers

Update seeds/peers in `~/.omniflixhub/config/config.toml`

```
seeds="af3b140b9283f568aa49097e9e7dba8a9f3498e3@45.72.100.1:226656"
peers="449848dbf4c9efec273f9014b3e2ff7fca468e5@45.72.100.123:26656,086706a33dd2c511bf0162ee3583429a9e2ab1a5@45.72.100.1:24:26656"
```

```
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 omniflixhubd
omniflixhubd unsafe-reset-all
omniflixhubd start
```

OR

### 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
```