



Syscoin V4.3 Linux headless CLI setup

Requires debian/ubuntu

Tested on Debian 11

Setting up Syscoin 4.3

Install Syscoin from source

YOU MUST BE ROOT (su) FOR THIS TO WORK, DOUBLE CHECK ALL COMMANDS!!!

```
su
cd /root/
wget https://github.com/syscoin/syscoin/releases/download/v4.3.0/syscoin-4.3.0-
x86_64-linux-gnu.tar.gz
[https://github.com/syscoin/syscoin/releases/download/v4.3.0/syscoin-4.3.0-x86_64-linux-
gnu.tar.gz]
tar xf syscoin-4.3.0-x86_64-linux-gnu.tar.gz
install -m 0755 -o root -g root -t /usr/local/bin syscoin-4.3.0/bin/*
rm -r syscoin-4.3.0rc2
mkdir ~/.syscoin
```

We need to create the config file

```
nano ~/.syscoin/syscoin.conf
```

Paste in the following:

```
testnet=1
[test]
```

```
rpcuser=user
rpcpassword=password
listen=1
daemon=1
server=1
assetindex=1
port=18369
rpcport=18370
rpccallowip=127.0.0.1
addnode=54.190.239.153
addnode=52.40.171.92
```

Press Ctrl + O then enter to save the file and Ctrl + X and enter to exit

Run Syscoin daemon

syscoind

Wait a few minutes for banlist, block index, and geth to load

Check status of blocks

```
syscoin-cli getblockchaininfo
```

You should see something like this

[illegible]

```
“size_on_disk”: 272448733,
“pruned”: false,
“softforks”: {
“bip34”: {
“type”: “buried”,
“active”: true,
“height”: 1
},
“bip66”: {
“type”: “buried”,
“active”: true,
“height”: 1
},
“bip65”: {
“type”: “buried”,
“active”: true,
“height”: 1
},
“csv”: {
“type”: “buried”,
“active”: true,
“height”: 1
},
“segwit”: {
“type”: “buried”,
“active”: true,
“height”: 0
},
“taproot”: {
“type”: “bip9”,
“bip9”: {
“status”: “active”,
“start_time”: -1,
“timeout”: 9223372036854775807,
“since”: 0,
“min_activation_height”: 0
},
“height”: 0,
“active”: true
}
},
“warnings”: “”
}
```

Install sentinel

Run these commands to install from github

```
apt update
apt -y install git python3 virtualenv
git clone https://github.com/syscoin/sentinel.git
[https://github.com/syscoin/sentinel.git]
cd sentinel
git checkout dev-4.x
virtualenv -p $(which python3) ./venv
./venv/bin/pip install -r requirements.txt
```

Edit the sentinel.conf

```
nano sentinel.conf
```

If there is a # next to

```
syscoin_conf=
```

then remove it and change it to

```
syscoin_conf=/root/.syscoin/syscoin.conf
```

Put a # next to

```
network=mainnet
```

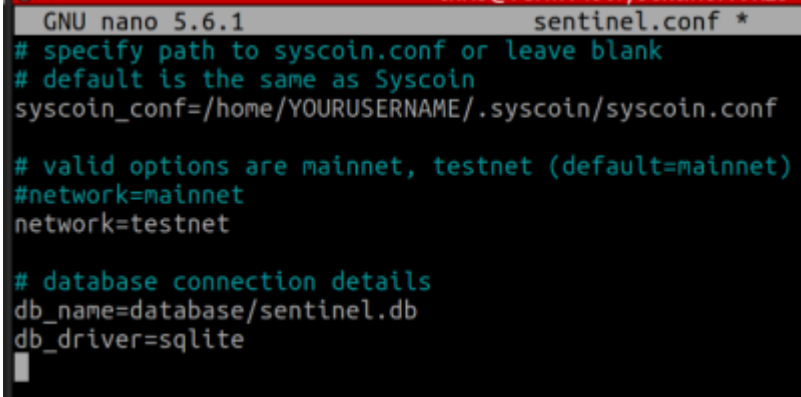
Remove the # next to

```
network=testnet
```

This enables testnet version of sentinel

Press Ctrl + O then enter to save the file and Ctrl + X and enter to exit

Should look like this

A screenshot of a terminal window showing the contents of the sentinel.conf file. The terminal has a dark background with light green text. The title bar of the window shows 'GNU nano 5.6.1' and 'sentinel.conf *'. The file content includes comments and configuration for syscoin_conf, network, and database connection details.

```
GNU nano 5.6.1 sentinel.conf *
# specify path to syscoin.conf or leave blank
# default is the same as Syscoin
syscoin_conf=/home/YOURUSERNAME/.syscoin/syscoin.conf

# valid options are mainnet, testnet (default=mainnet)
#network=mainnet
network=testnet

# database connection details
db_name=database/sentinel.db
db_driver=sqlite
```

Create a crontab entry to wake sentinel every 5 minutes

open crontab

```
crontab -e
```

If prompted to choose an editor select option 1 nano

Paste this below the commented out lines

```
* * * * * cd /root/sentinel && ./venv/bin/python bin/sentinel.py 2>&1 »
sentinel-cron.log
```

Automatically start syscoind on boot by adding this line after

```
@reboot /usr/local/bin/syscoind -daemon >/dev/null 2>&1
```

Press Ctrl + O then enter to save the file and Ctrl + X and enter to exit

Reboot to make sure the daemon starts at boot

```
shutdown -r now
```

Once powered back on check daemon is running, it may take a minute to load

```
syscoin-cli getblockchaininfo
```

Finished!

Next, install masternode

setup_syscoin_v4.3.txt · Last modified: 2022/06/28 05:15 by 172.18.0.1