SafeNode Beginners Guide

Linux

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Creating A SafeNode Paper Wallet

Remember to store the recovery phrase or password, Ideally in more than one place. Do not lose these otherwise your SafeCoins will be lost. It is not recommended to import your SafeNode private keys into a desktop wallet. After creating a paper wallet, you will need to fund the collateral address. To start receiving rewards, a minimum amount of 10,000 SafeCoin is needed. You will need your Safekey (not private key) in the build instructions below **# Step 9c**

https://safenodes.org/

https://apps.apple.com/us/app/safepay-cryptocurrency-wallet/id1465180332?ls=1

https://play.google.com/store/apps/details?id=org.safecoin.safepay

https://safepay.safecoin.org/

Guide To Building A SafeNode.

How to build and sync safecoind wallet on new Ubuntu 18.04 VPS/Ubuntu installation. Requirements: 1GB RAM, 2GB Swap File, 15GB storage.

Step 1a - Open terminal to begin

Step 1b - Update ubuntu package lists

```
sudo apt-get update -y
```

Step 2a - Find if you currently have a swap file

```
sudo swapon --show
```

Step 2b - If the output of the command is blank then you have no swapfile. Create & activate a new swap file now (paste all 5 lines in at once) If you have a swapfile, go straight to # Step 3

```
sudo fallocate -l 2G /swapfile
sudo chmod 600 /swapfile
sudo mkswap /swapfile
sudo swapon /swapfile
echo '/swapfile none swap sw 0 0' | sudo tee -a /etc/fstab
```

Step 3 - Install all required libraries to build safecoin from source (paste all in at once)

```
sudo apt-get install build-essential pkg-config libc6-dev m4 g++-multilib autoconf libtool ncurses-dev unzip git python python-zmq zlib1g-dev wget libcurl4-gnutls-dev bsdmainutils automake curl bc dc jq nano -y
```

Step 4 - Download safecoin source

```
cd ~ && git clone https://github.com/fair-exchange/safecoin --branch master --single-branch
```

Step 5 - Change directory to safecoin source

```
cd safecoin
```

Step 6 - Download zcash param files

```
./zcutil/fetch-params.sh
```

Step 7 - Build safecoind from source

```
./zcutil/build.sh -j$(nproc)
```

Step 8 - Create safecoin.conf file & enable safecoind to run as daemon (paste both lines in at once)

```
mkdir ~/.safecoin
echo "daemon=1" > ~/.safecoin/safecoin.conf
```

Step 9a - Get the current blockheight (safeheight) with your chosen explorer (from website, not pasted into terminal)

```
https://explorer.deepsky.space/
```

Step 9b - Open the safecoin.conf with nano text editor

```
nano ~/.safecoin/safecoin.conf
```

Step 9c - Paste your safekey, safeheight, parentkey & random password (Your safecoin.conf should look exactly the same as below)

```
daemon=1
safekey=safekey from your paper wallet
parentkey=0333b9796526ef8de88712a649d618689a1de1ed1adf9fb5ec415f31e560b1f9a3
safepass=any random password
safeheight=blockheight from # Step 9a
```

Step 9d - Save modified safecoin.conf & exit nano text editor

```
CTRL+O (to save then press enter on the keyboard to confirm)
CTRL+X (exit)
```

Step 10 - Execute safecoin daemon

```
~/safecoin/src/safecoind
```

In approximately 2 minutes you should see "**ready for rpc calls**" When this is displayed, move onto the next step.

Step 11 - Retrieve a client SafeNode address. This is used to fuel the safenode

```
~/safecoin/src/safecoin-cli getnewaddress
```

Step 12 - Send 1 SAFE to the SafeNode client address in # Step 11

1 SafeCoin is enough to fuel the SafeNode client for a year.

Your SafeNode will automatically activate after the daemon is fully synced. Use the command below to show blockheight. Syncing could take up to 6 hours.

```
~/safecoin/src/safecoin-cli getblockcount
```

A message of "**Validate SafeNode**" will appear when your SafeNode Is activated. This will happen roughly 10 blocks after the safeheight you pasted in the config file.