



KINGSTON COIN

VPS MASTERNODE SETUP GUIDE

UBUNTU 16.04 x64



**** THIS GUIDE ASSUMES YOU HAVE PURCHASED A VPS THROUGH A SERVICE LIKE DIGITALOCEAN.COM OR VULTR.COM AND HAVE CONNECTED TO YOUR VPS THROUGH SSH/TERMINAL ****

STEP 1: Setup Virtual Memory (Optional)

```
dd if=/dev/zero of=/mnt/myswap.swap bs=1M count=4000
mkswap /mnt/myswap.swap
chmod 0600 /mnt/myswap.swap
swapon /mnt/myswap.swap
```

STEP 2: Install Dependencies

```
sudo apt-get update -y
sudo apt-get upgrade -y
sudo apt-get install \
build-essential libssl-dev libboost-all-dev \
libqrencode-dev pkg-config libminiupnpc-dev \
qt5-default qttools5-dev-tools libgmp3-dev \
git software-properties-common nano -y
sudo add-apt-repository ppa:bitcoin/bitcoin -y
sudo apt-get update -y
sudo apt-get install libdb4.8-dev libdb4.8++-dev autoconf -y
sudo apt-get install \
build-essential libtool autotools-dev \
pkg-config libssl-dev libboost-all-dev automake autogen \
libboost1.58-all-dev automake libtool -y
sudo apt-get install \
libzmq3-dev libminiupnpc-dev openssl \
libssl-dev libevent-dev libgmp-dev \
aptitude libdb4.8++-dev -y
```

STEP 3: Install Daemon in Home Folder

```
cd /home/  
git clone https://github.com/kingstoncash/kingston  
cd kingston/  
chmod +x autogen.sh  
chmod +x share/genbuild.sh  
chmod +x src/leveldb/build_detect_platform  
./autogen.sh  
./configure  
make (This step will take around 15-30 minutes to complete)
```

STEP 4: Install Daemon in Home Folder

```
cd /home/  
git clone https://github.com/kingstoncash/kingston  
cd kingston/  
chmod +x autogen.sh  
chmod +x share/genbuild.sh  
chmod +x src/leveldb/build_detect_platform  
./autogen.sh  
./configure  
make
```

STEP 4: First run of the Daemon

```
/home/kingston/src/kingstond -daemon
```

You will see the following error:

Error: To use the "-daemon" option, you must set a rpcpassword in the configuration file: /root/.kingston / kingston.conf It is recommended you use the following random password: rpcuser=YOU WILL GET YOURS IN THIS ERROR ON YOUR VPS rpcpassword=YOU WILL GET YOURS IN THIS ERROR ON YOUR VPS (you do not need to remember this password) The username and password MUST NOT be the same

STEP 4: Editing the kingston.conf file

```
cd /root/.kingston  
nano kingston.conf
```

```
cd /root/kingston  
nano kingston.conf
```

Paste your RPC details now:

```
rpcuser=xxx  
rpcpassword=yyy  
rpcallowip=<YOUR VPS EXTERNAL IP>  
listen=1  
server=1  
daemon=1  
staking=0  
logtimestamps=1  
masternode=1  
externalip=<yourip:port>  
masternodeprivkey=<priv genkey>  
addnode=103.19.211.58:9211  
addnode=113.212.115.58:9211  
addnode=198.98.57.10:9211  
addnode=31.53.18.69:9211  
addnode=37.187.140.168:9211  
addnode=45.64.254.42:9211  
addnode=45.64.254.58:9211  
addnode=54.36.5.66:9211  
addnode=81.169.179.241:9211
```

STEP 5: Re-Run the Daemon

```
/home/kingston/src/kingstond -daemon
```

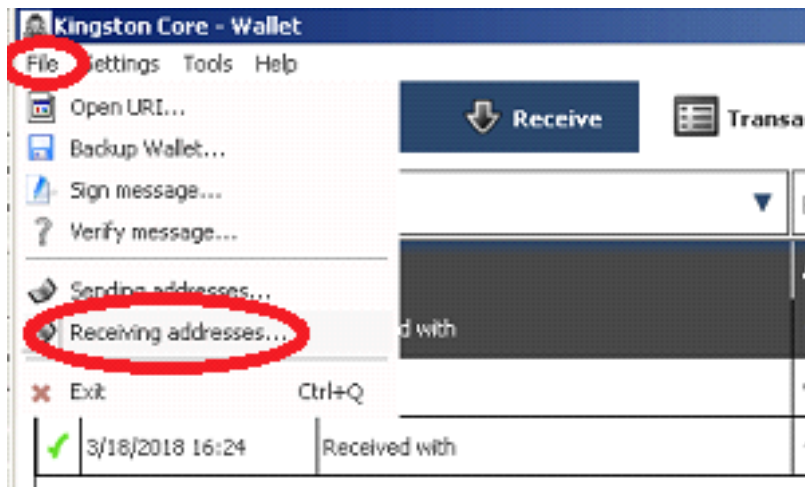
**CHEERS !! YOUR SERVER IS SETUP AND RUNNING NOW.
IT WILL SHOW YOU "Kingston server starting"**

Make sure your External IP and Port are Open from outside , use this site to check
<https://www.yougetsignal.com/tools/open-ports/>

PREPARING YOUR DESKTOP WALLET

STEP 1: Send 5,000 KGX

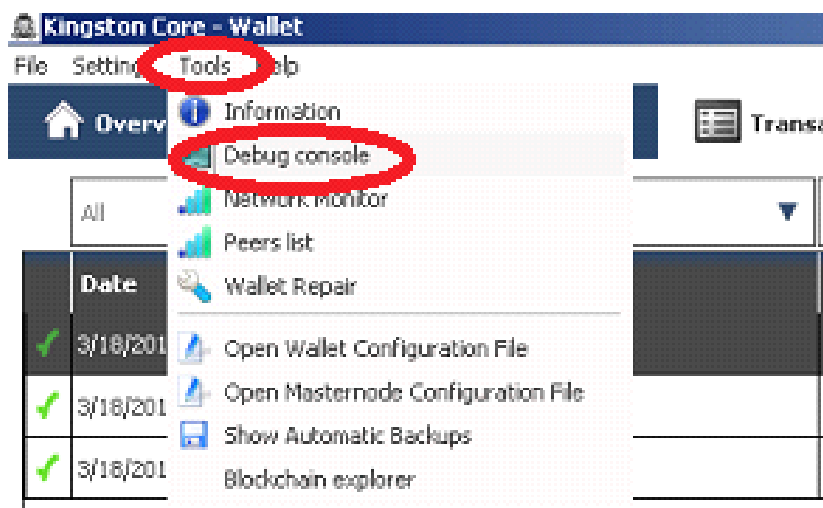
- Open your main wallet where you have your coins
- Go to File >> Receiving Addresses



- Press button "New" and enter "Masternode 1" in Label, followed by "OK".
- Send **exactly 5000 KGX** to this address

STEP 2: Generate Private Key and Masternode Outputs

- Wait for confirmations of the transaction and go to Tools >> Debug Console



- Run command “`masternode genkey`” and copy down generated key (this is your masternode private key)



- Run command “`masternode outputs`” and copy down hexnumbers (this is your masternode tx) and digit after “.” (this is tx index), alternatively you can double click on your transaction



STEP 3: Setup Your masternode.conf File

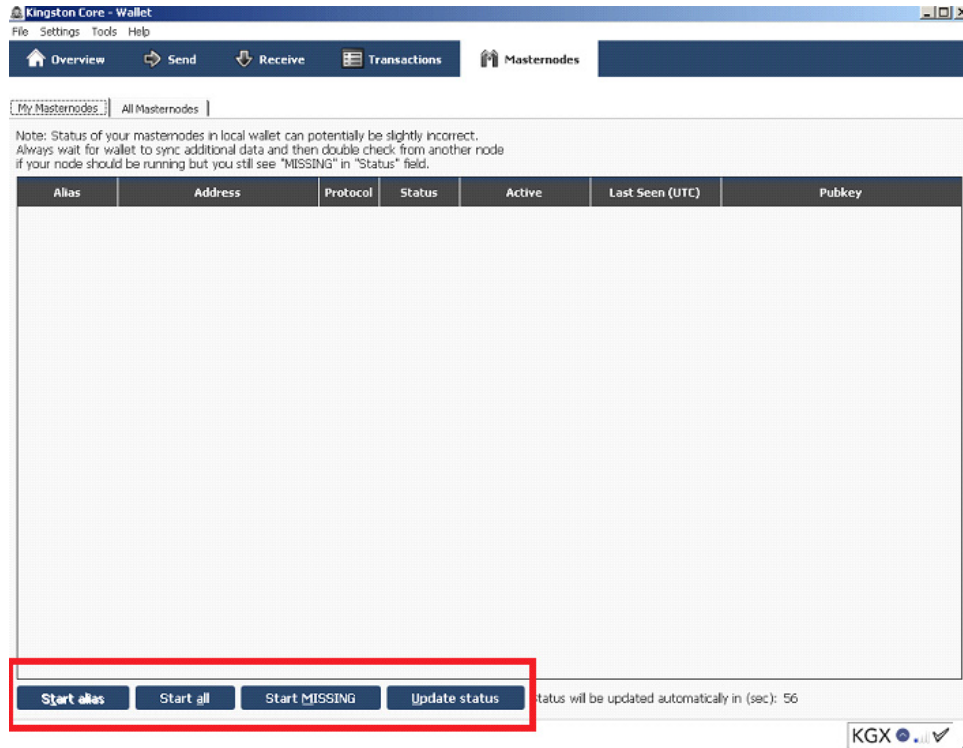
- Go to Tools >> Open Masternode Configuration File (masternode.conf), and open with Notepad.
- Using (one line per masternode), use the following format:

Alias IP:Port Privkey TxHash OutputIndex

- As “Alias”, enter “MN1” (do not use spaces and special characters)
 - As “IP:Port”, enter “YOUREXTERNALIP:PORT” (your external white IP and port for masternode), such as 111.222.111.222:9999
 - As “Privkey”, enter the masternode private key you generated with “masternode genkey”
 - As “TxHash”, enter the masternode tx from “masternode outputs” command
 - As “OutputIndex”, enter the tx index from “masternode outputs” command
- Now you can File >> Save and exit out.

STEP 3: Starting your Masternode

- Click on the “masternode” tab in your wallet.
- If you do not see your masternode listed, click “Update Status”
- Now simply select your masternode and click “Start Alias”



Congratulations!

MULTIPLE MASTERNODES

In the case of multiple masternodes, you simply need to repeat this process starting from Step 1: Send 5,000 KGX

You will want to be sure to give each masternode a different alias (MN1, MN2, MN3, etc)