

KRT MN Guide

Setting up a masternode requires a basic understanding of Linux and blockchain technology, as well as the ability to follow instructions closely. It also requires regular maintenance and careful security. There are some decisions to be made along the way and optional extra steps to take for increased security.

Before you begin

This guide assumes that you are setting up a masternode for the first time. You will need:

- 10000 KRT
- KRT Core wallet on local Windows
- A Linux server, preferably a Virtual Private Server (VPS)
- <https://www.vultr.com/?ref=7443282>
- <https://m.do.co/c/812e8283318f> (Digitalocean)
- 5\$ VPS are the best choice !

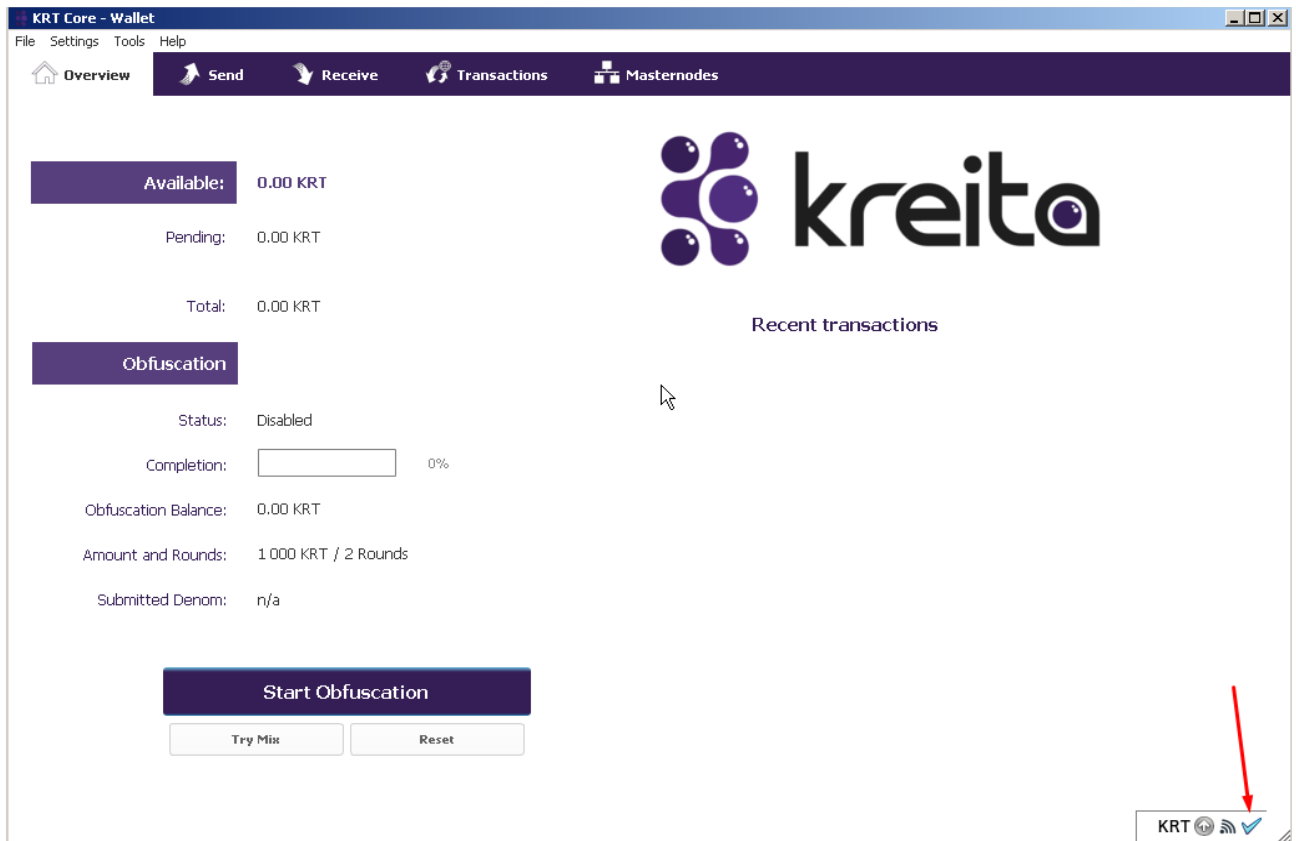
This guide also assumes that you will be working from a Windows computer. However, since most of the work is done on your Linux VPS, alternative steps for using macOS or Linux will be indicated where necessary.

Send the collateral

A KRT address with a single unspent transaction output (UTXO) of **exactly** 10000 KRT is required to operate a masternode. Once it has been sent, various keys regarding the transaction must be extracted for later entry in a configuration file as proof that the transaction was completed successfully. A masternode can be started from the official KRT Core wallet.

Sending from KRT Core wallet

Open the KRT Core wallet and wait for it to synchronize with the network. It should look like this:

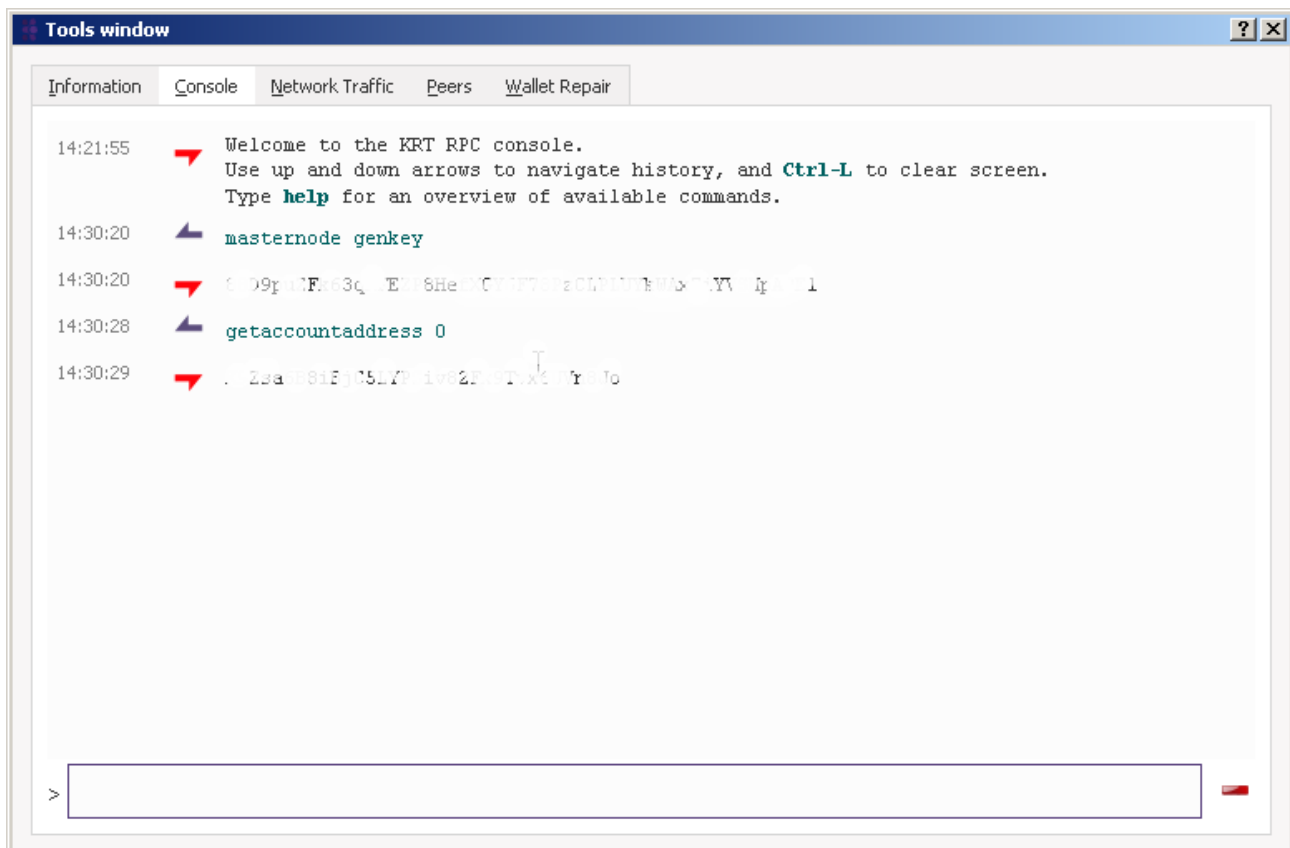


Fully synchronized KRT Core wallet

Click on **Tools > Debug console** to open the console. Type the following two commands into the console to generate a masternode key and get a fresh address:

```
masternode genkey  
getaccountaddress MN1
```

Write both Outputs down on a TEXT File.



The next step is to secure your wallet (if you have not already done so). First, encrypt the wallet by selecting **Settings > Encrypt wallet**. You should use a strong, new password that you have never used somewhere else.

Save your password and store it somewhere safe or you will be permanently locked out of your wallet and lose access to your funds. (Try to login)

Next, back up your wallet file by selecting **File > Backup Wallet**. Save the file to a secure location physically separate to your computer, since this will be the only way you can access our funds if anything happens to your computer.

Now send **exactly** 10000 KRT in a single transaction to the account address you generated in the previous step.

This may be sent from another wallet, or from funds already held in your current wallet.

Once the transaction is complete, go to the **Debug console** in your local wallet. Type in the command `masternode outputs` and save the TXID and UTXO for later.

You will need 16 confirmations before you can start the masternode, but you can continue with the next step at this point already: installing the KRT Core wallet on your VPS.

Masternode Configuration and Activation

1. Configure and enable masternode.

1. **Launch your Cold Wallet from Windows machine. From the top menu, go to Tools -> Open Masternode Configuration File**
2. **You will be prompted to choose a program to run masternode.conf, select notepad.exe**
3. **Append on new line in masternode.conf file with follong setting;**

AFTER sending the Collateral to your own Adress, open the Debug Console and type „masternode outputs“ and you get your TXID and your Output.

masternode.conf setting syntax;

```
address_label vps_ip_address:47047 masternode_genkey masternode_outputs-txhash  
masternode_outputs-outputidx
```

***Example setting syntax;**

```
MN1 45.77.52.239:47047 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg  
2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0
```

address_label = MN1, the label name that enter earlier when create new wallet address

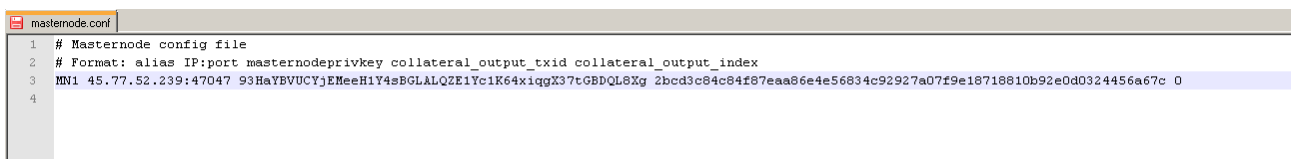
vps_ip_address = 45.77.52.239, the public IP of **YOUR VPS**

masternode_genkey = 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg, the masternode's private key from masternode genkey

masternode_outputs-txhash =

2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c, the masternode's txhash from the command masternode outputs in Debug console on local wallet

masternode_outputs-outputidx = 0, the masternode's outputidx from the command masternode outputs in Debug console on local wallet. It could be either "0" or "1", both value are just fine.



```
masternode.conf  
1 # Masternode config file  
2 # Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index  
3 MN1 45.77.52.239:47047 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0  
4
```

Close and re-launch the KRT-Qt wallet to take effect on the latest change on MasterNode configuration

Go to 'Masternodes' tab and check if your newly added MasterNode is in the listing. The newly added MasterNode would be in MISSING status

Select the newly added MasterNode and click on "Start alias" button to enable the MasterNode

If cannot start the MasterNode properly, you may run following command in **Debug Console**:
"startmasternode alias MN1"