

Setting up a masternode

Setting up a masternode requires a basic understanding of Linux and blockchain technology, as well as an ability to follow instructions closely. It also requires regular maintenance and careful security.

Before you begin

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

- 1,000,000 OBSR
- A wallet to store your OBSR (e.g. OBSR Core wallet)
- An Ubuntu server, preferably a Virtual Private Server (VPS)
- You know the IP of your Ubuntu server

This guide also assumes you will be working from the OBSR Qt (GUI wallet) on your local computer.

Because this guide assumes you will run a masternode from a second machine, being the Ubuntu server, this guide will refer to your existing OBSR Qt (GUI wallet) as your local wallet and the Ubuntu machine (VPS) that will host your masternode as your remote wallet.

Follow the steps below in order.

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Step 1: Turn off zeromint in your local wallet

1. Shutdown your wallet
2. Go to your [data directory](#) and edit obsr.conf
3. Add the following line, save and start your wallet again:

```
enablezeromint=0
```

Step 2: Generate a masternode key on your local wallet

1. Open the debug console (Tools > Debug console)
2. Type the following command (this will be the masternode privkey, which we'll use later in the setup):

```
masternode genkey
```

Write the response down somewhere safe.

Step 3: Generate a masternode address on your local wallet

1. Open the debug console (Tools > Debug console)
2. Type the following command:

```
getaccountaddress YourMasternodeName (e.g. masternode01)
```

Write the response down somewhere safe.

Step 4: Send 1,000,000 OBSR to the masternode address from your local wallet

Still in the local wallet, send exactly 1,000,000 OBSR to the masternode address we just generated.

Step 5: Confirm the masternode outputs in your local wallet

1. Open the debug console (Tools > Debug console)
2. Type the following command (This gets the proof of transaction of sending 1,000,000):

```
masternode outputs
```

Write the response down somewhere safe.

Step 6: Configure the masternode on your local wallet

1. Shutdown your wallet
2. Go to your [data directory](#) and add the following line to masternode.conf:

```
<Name of your masternode> <IP address of your remote wallet>:9567 <The privkey from Step 2> <The txhash from Step 5> <The outputidx from Step 5>
```

Substitute it with your own values and without the “<>”.

Example:

```
masternode01 139.14.135.195:9567  
8SbuAvD7iCYh6xFK9fE9rnXB8jxRAuz8vdTsmEH8hUiuMm16EqA  
49012766543cac37369cf3813d6216bddd1b9a8ed03ac690221be10aa5edd6c 1
```

Step 7: Install OBSR client on your remote wallet

1. Install the latest version of the OBSR wallet onto your Ubuntu VPS by running the following commands:

```
# Go to your home directory  
cd ~  
# Download the latest version from the OBSR GitHub repository (update this to  
# the latest version)
```

```
wget https://github.com/observernet/obsr/releases/download/v1.0.0/obsr-1.0.0-x86_64-linux-gnu.tar.gz
# Unzip and extract
tar -zxvf obsr-1.0.0-x86_64-linux-gnu.tar.gz
# Go to your OBSR bin directory
cd obsr-1.0.0/bin
# Note: If this is the first time running the wallet in the VPS, you'll need to
to start the wallet
./obsrd &
# Stop the wallet after it initialises
./obsr-cli stop
```

Step 8: Configure the masternode on your remote wallet

1. Go to your [data directory](#) and edit `obsr.conf`
2. Add the following lines:

```
rpcuser=YourRandomUsername
rpcpassword=YourSuperGreatPasswordNumber_DO_NOT_USE_THIS_OR_YOU_WILL_GET_ROBBED_385593
rpccallowip=127.0.0.1
listen=0
server=1
daemon=1
logtimestamps=1
maxconnections=256
masternode=1
externalip=(The public IP of your remote wallet)
bind=(The public IP of your remote wallet)
masternodeaddr=(The public IP of your remote wallet):9567
masternodeprivkey=(The privkey from Step 2)
```

Make sure to replace `rpcuser` and `rpcpassword` with your own.

Step 9: Start the masternode

It is important you follow the steps in the exact order.

1. Start the local wallet
2. Start the remote wallet
3. Type the following command in the local wallet debug console:

```
4. startmasternode alias false <Name of your masternode>
```

The following should appear:

```
“overall” : “Successfully started 1 masternodes, failed to start 0, total 1”,
“detail” : [
{
“alias” : “<Name of your masternode>”,
“result” : “successful”,
“error” : “”
```

```
}
```

5. Start the masternode on your remote wallet:

```
6. ./obsr-cli startmasternode local false
```

A message “masternode successfully started” should appear

7. Use the following command on your remote wallet to check status:

```
8. ./obsr-cli masternode status
```

You should see something like:

```
{
  "txhash" :
  "49012766543cac37369cf3813d6216bddd6c1b9a8ed03ac690221be10aa5edd6c",
  "outputidx" : 1,
  "netaddr" : "139.14.135.195:9567",
  "addr" : "oPkzf84ns4ZRLtUFxgZWA6xhVSYrZG5CFF",
  "status" : 4,
  "message" : "Masternode successfully started"
}
```

Congratulations! You have successfully created your masternode!

Stop running a masternode

Step 1: Stop the masternode on your remote wallet

```
./obsr-cli stop
```

Step 2: Remove the masternode configuration from your local wallet

1. Shutdown your wallet
2. Go to your [data directory](#) and remove the line that was created in Step 6 from your `masternode.conf`
3. Start your wallet again
4. Your 1,000,000 OBSR will now be unlocked