SuperLumic

Master Node Installation Guide for Windows

Prerequisites

1. Remote server (Virtual Private Server, VPS) which will have our masternode wallet with Linux Ubuntu 16.04 preinstalled

2. Local computer running under Windows 7, 8.1 or 10 which will be our control wallet

3. PuTTY (SSH client), which will be used to setup the server (install the dependencies, the wallet itself, and configure everything) after the initial configuration

4. 1001 SLC as collateral (1000 SLC + 1 SLC to cover the transaction fees)

Action plan

1. Update Windows
2. Buy VPS and setup Ubuntu 16.04. You'll need to have on VPS 1 CPU and at least 1 GB of RAM
3. Download PuTTY from http://www.putty.org/, start it and connect to your Ubuntu 16.04 VPS
4. Login as a root to VPS, update your Ubuntu and install all dependencies
5. Compile and install wallet from sources
6. Download SuperLumic Windows Wallet from Github and install it to your Windows PC

   https://github.com/SuperLumicCoin/wallets-v.0.0.1.1

7. Setup the masternode and our control wallet

1. Update Windows OS

For this guide we were using Windows 10. Everything was installed and configured on Windows 10. Other Windows OS's might require some adjustments.

First of all, we need to update Windows 10. To install all of the updates.

Press "Start" button, then "Settings", go to "Update & Security" and press the button "Check for updates".

All updates would be installed automatically.

2. Buy VPS and setup Ubuntu 16.04

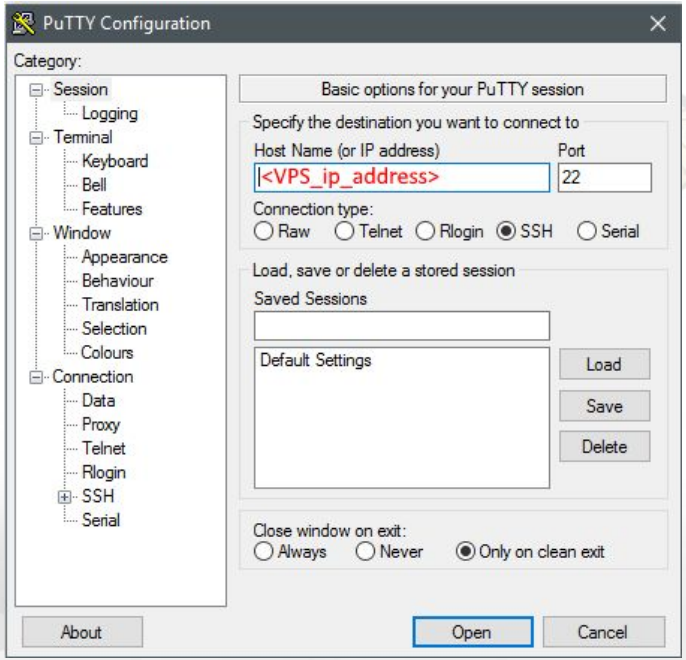
Linux distro should be **Ubuntu 16.04** in the case of wallet compilation. Other Linux distros may require some adjustments and some other commands, which is not covered in this guide nor supported.

IMPORTANT: Server configuration should has at least **1 CPU** and **1 GB** of RAM. This will be enough to run the wallet but could be not enough to compile it. To compile the wallet you need 2 GB RAM or if you have 1 GB you need to create Swap file of 1 GB.

We recommend Vultr, but you can use any VPS reseller. http://www.vultr.com

3. Download PuTTY and connect to your VPS

Download PuTTY from http://www.putty.org/ and run it. Fill IP and Port fields to connect to your VPS through ssh. An error message could appear, ignore it.



Use your credentials to sign in to your Ubuntu OS, then paste the following commands one by one to your console:

sudo apt-get update & sudo apt-get upgrade

sudo apt-get install build-essential libtool autotools-dev autoconf pkg-config libssl-dev

sudo apt-get install software-properties-common

sudo add-apt-repository ppa:bitcoin/bitcoin

sudo apt-get update

sudo apt-get install libdb4.8-dev libdb4.8++-dev

sudo apt-get install libboost-all-dev

sudo apt-get install libminiupnpc-dev

sudo apt-get install libevent-dev

5. Compile and install wallet from sources

Now you can download and compile the wallet

sudo apt-get install git

git clone https://github.com/SuperLumicCoin/SuperLumic.git

cd SuperLumic

sudo apt-get install automake

./autogen.sh

./configure

make

It will take time (30 mins to 1 hour) and some warnings will appear. Don’t worry, it is OK

After Compilation:

cd src

strip superlumic-tx

strip superlumic-cli

strip superlumicd

mv superlumicd superlumic-cli superlumic-tx ~/

cd ~/

rm -r SuperLumic

If You have less than 2 GB RAM You need to create swap file

Creating Swap (Only need to complete this step if your RAM is 1GB, if it's 2GB or more SKIP this step):

sudo fallocate -l 2G /swapfile

sudo chmod 600 /swapfile

sudo mkswap /swapfile

sudo swapon /swapfile

Make swap file permanent:

sudo nano /etc/fstab

At the end of the file just add the next line:

/swapfile none swap sw 0 0

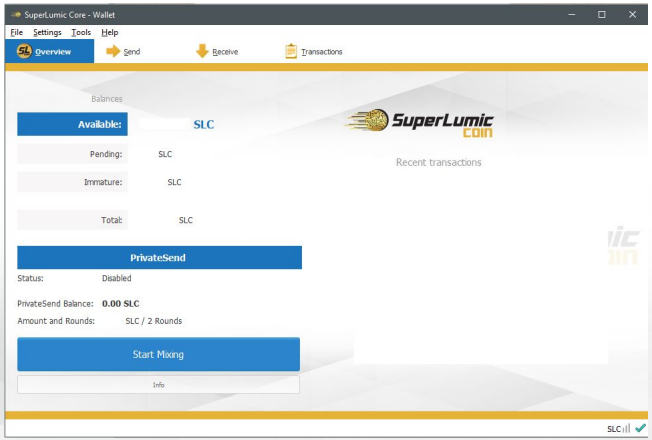
Then press Ctrl+X, nano will ask: "Do you want to save your changes?". Press "Y". Then reboot the system and connect again after sometime

6. Download wallet and install it

Download SuperLumic wallet for Windows platform https://github.com/SuperLumicCoin/wallets-v.0.0.1.1

Create a folder on your PC

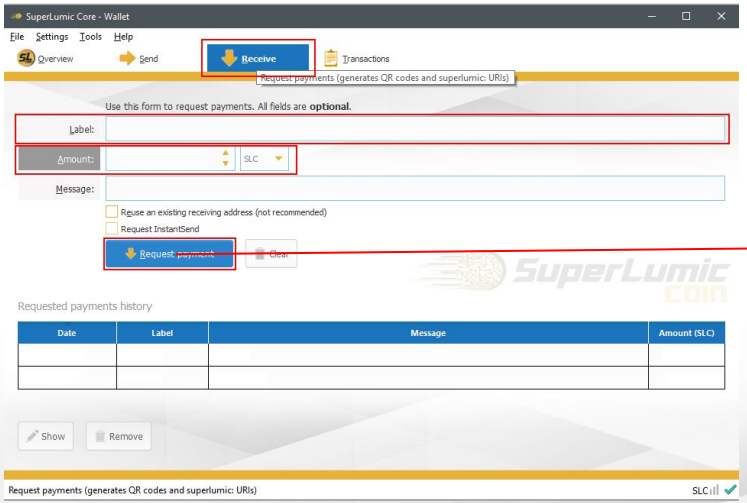
Copy superlumic-cli.exe, superlumic-qt.exe, superlumic-tx.exe, superlumicd.exe into your folder. Run superlumic-qt.exe and proceed with installation. Use the default settings. If Windows firewall asks for permissions, approve it.



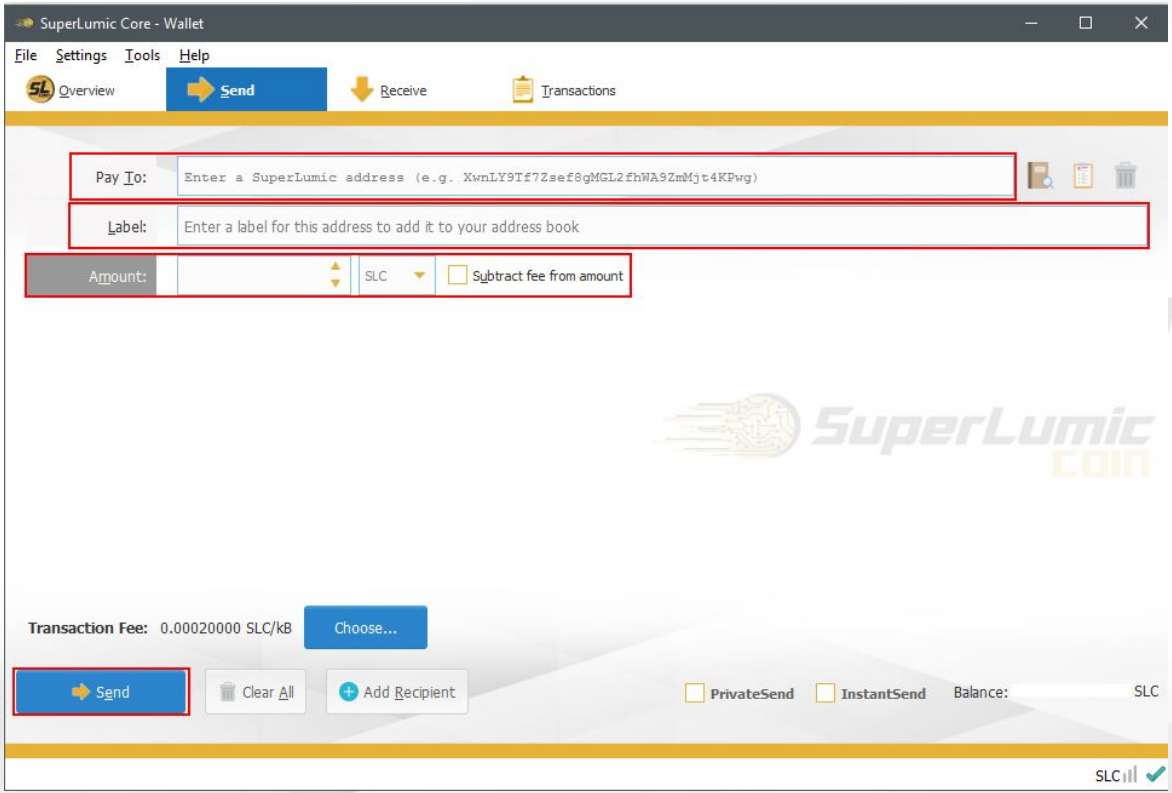
7. Setup masternode and control wallet

Now we will use the coins that we have to fill the control wallet and generate the key we need.

Go to “Receive” tab, enter label for your masternode, amount and click on “Request payment”. Copy the address.



Now go to “Send” tab and paste the address, that you copied into “Pay To”, fill “Label” field and amount. Then press the button “Send”

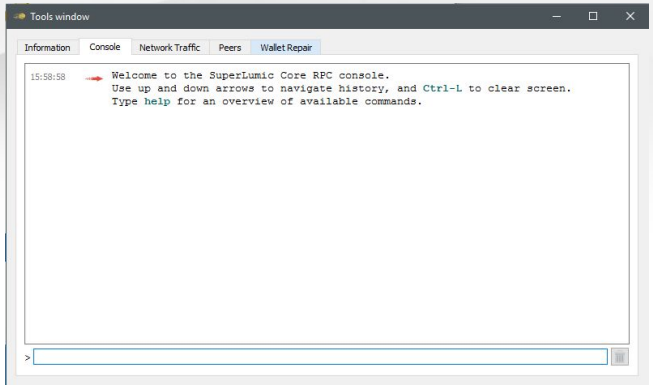


Go to “Tools”->”Debug console” and execute commands

masternode genkey

masternode outputs

Copy genkey and outputs to “Notepad”



Save the file. Those values we will be going to use to configure the masternode

Do not copy everything, your file should looks like this

```
<LABEL> <IP_address>:<port_number> <masternode_genkey> <masternode_output>
TEST 56.213.65.78:13715 7eUoeBSdKT2dHiJ8k3nsaUbCAAh8jIOkMTRZk6j9qtKmafKHUhW 56f745ds7hrop2716033689e5ho128489347689s98kkp114h87r8jo7b0f33j74 1
```

Now, go to C:\Users\<your_username>\AppData\Roaming\SuperLumicCore\ and open masternode.conf file. Copy and paste data from the previous file. It should looks like

```
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:12455 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0
TEST 56.213.65.78:13715 7eUoeBSdKT2dHiJ8k3nsaUbCAAh8jIOkMTRZk6j9qtKmafKHUhW 56f745ds7hrop2716033689e5ho128489347689s98kkp114h87r8jo7b0f33j74 1
```

Save and close this file. Close the wallet

We have all needed data and we can configure masternode. First, go to to your VPS using PuTTY and create hidden folder .superlumiccore and file superlumic.conf

cd /root

mkdir /root/.superlumiccore

nano /root/.superlumiccore/superlumic.conf

Copy and paste those strings, changing needed fields, than exit nano saving the file

```
rpcuser=<random_name>                          (Any random name will work)
rpcpassword=<randow_very_long_password>        (Any random long password will work)
rpcallowip=127.0.0.1
listen=1
server=1
daemon=1
logtimestamps=1
maxconnections=256
masternode=1
externalip=<your_VPS_IP_address>               (Your VPS IP address)
masternodeprivkey=<your_private_key>           (This will be the genkey you received from your wallet earlier)
```

Make sure to remove the < > brackets in the 4 fields once you enter in your information!

You will need your rpcuser, rpcpassword information on the next page copy it or write it down.

Once done press ctrl and x and type “y” to save

Now Go Back to your Windows Machine

Now we gonna create our control wallet superlumic.conf. In this case we will be able to communicate with masternode. Now go to C:\Users\<your_username>\AppData\Roaming\SuperLumicCore\ and open superlumic.conf.

Add the below line and enter in your rpcuser and rpcpassword from previous page:

```
rpcuser=<random_name>
rpcpassword=<randow_very_long_password>
rpcallowip=127.0.0.1
```

Save the file

STARTING THE DEAMON ON THE VPS

cd /root

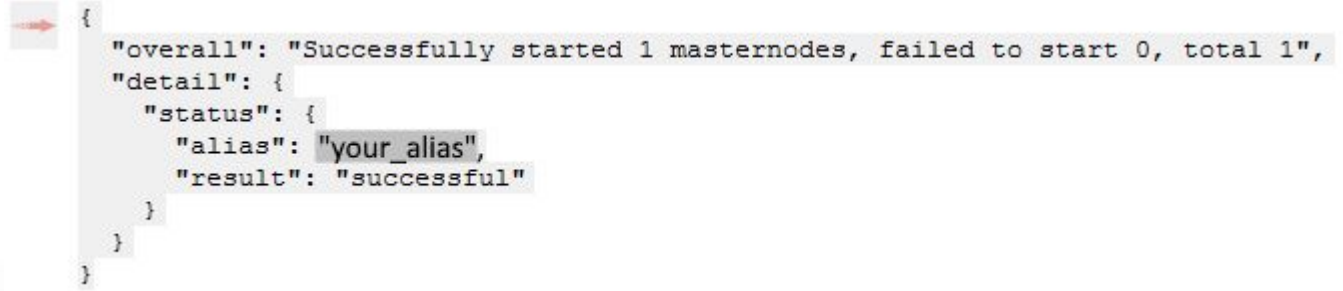
./superlumicd -daemon

```
root@vultr:~# ./superlumicd -daemon
SuperLumic Core server starting
root@vultr:~# cd /root
root@vultr:~#
```

Close the SuperLumic Core wallet on your PC and open it again. Then go to “Tools”->”Debug console” and execute the command:

masternode start-all

You will see the error. You should wait for a while and start it again. Message in “Debug console” appears



Acquire more with SuperLumic