

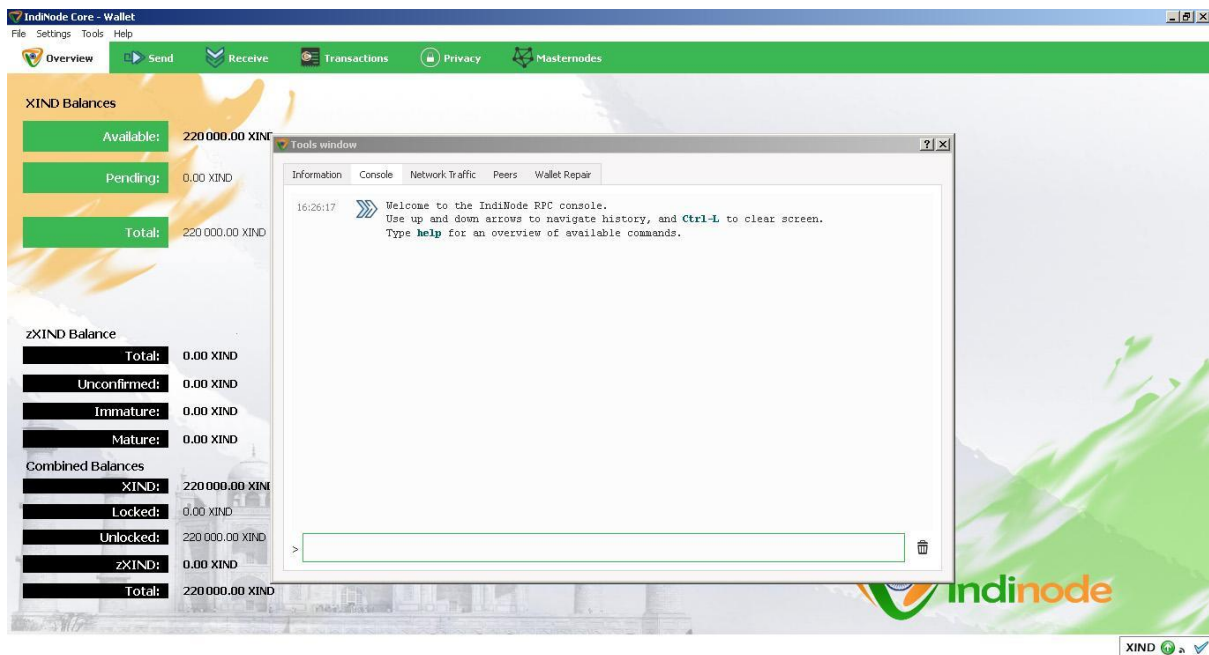


IndiNode MasterNodes Documentation

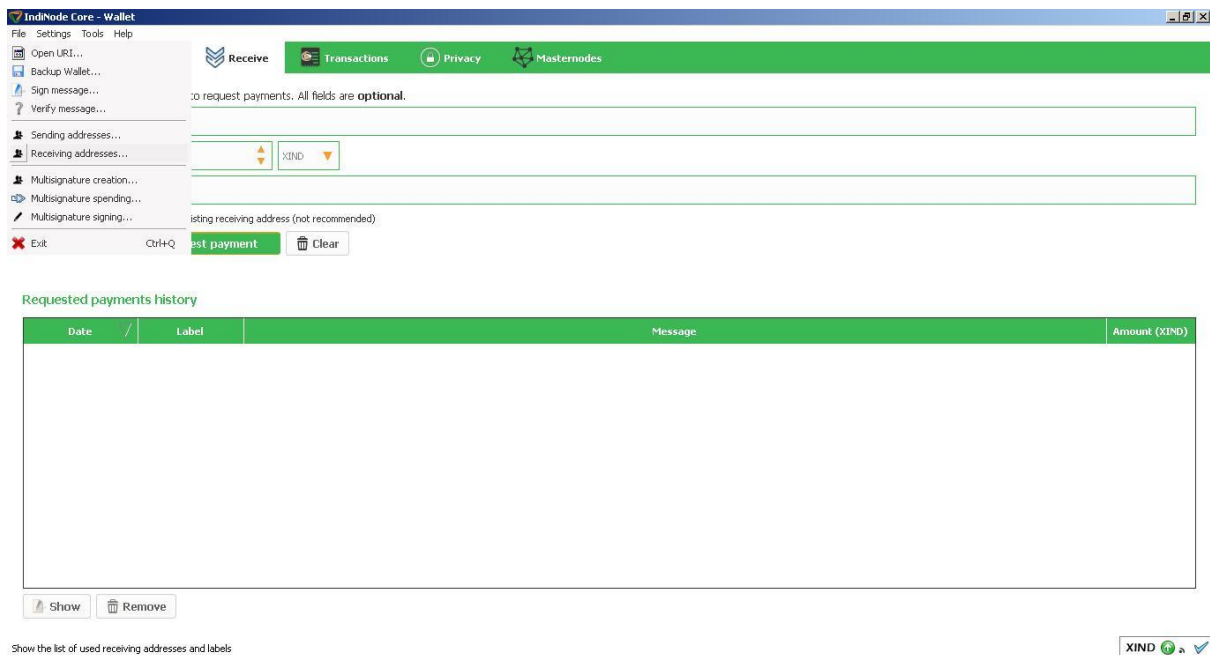
**** You will get the best results if you do this in one sitting. ****

1. Initial wallet setup

- 1.1 Download the latest wallet for your operating system which is available in our wallets repository at <https://github.com/coinwebfactory/indinode/releases>
- 1.2 Launch the wallet and allow it to synchronize
- 1.3 Click on debug console found in tools



- 1.4 Type "masternode genkey" - copy the generated key and exit the console
Save the private key in a text file for future use.
- 1.5 Go to receiving wallets found in files - create masternode wallet, by creating a new wallet, called masternode1



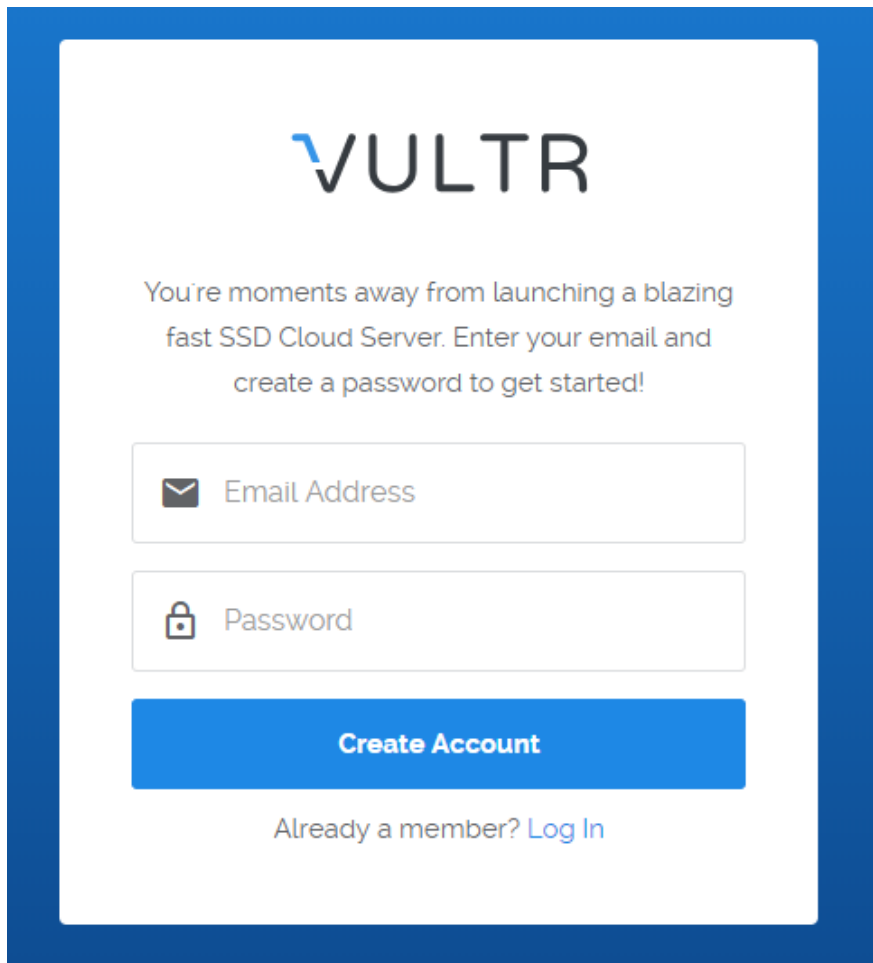
Copy the address by right-clicking and selecting "Copy Address"

- 1.6 Send EXACTLY 200,000 coins to masternode1 wallet by pasting the copied address.
Note that this has to be sent in ONE transaction.
- Wait for at least 1 confirmation
- 1.7 Go back to debug console and type masternode outputs
- 1.8 Copy the transaction id and output id Save the output in a text file for future use.

2. Get a VPS (masternode server)

We recommend renting a VPS with www.vultr.com because they are fast and cheap.

- 2.1 Create an account:











The image shows a registration form for VULTR. At the top is the VULTR logo. Below it is a message: "You're moments away from launching a blazing fast SSD Cloud Server. Enter your email and create a password to get started!". There are two input fields: "Email Address" with an envelope icon and "Password" with a lock icon. A blue "Create Account" button is below the fields. At the bottom, it says "Already a member? [Log In](#)".

- 2.2 Deploy a new server
- 2.3 Choose a location close to you to have a fast connection
- 2.4 Choose Ubuntu 16.04 x64 as operating system and take the 5\$ server size. This is sufficient.
- Currently they are giving 2.5 USD one but it is IPV6 only.

2 Server Type

64 bit OS 32 bit OS Application Upload ISO ISO Library Backup Snapshot

 CentOS Select Version	 CoreOS Stable x64	 Debian Select Version	 Fedora Select Version
 FreeBSD Select Version	 OpenBSD 6.3 x64	 Ubuntu 16.04 x64	 Windows Select Version

3 Server Size

Temporarily Sold Out 20 GB SSD \$2.50/mo \$0.004/h 1 CPU 512MB Memory 500GB Bandwidth	25 GB SSD \$5/mo \$0.007/h 1 CPU 1024MB Memory 1000GB Bandwidth	40 GB SSD \$10/mo \$0.015/h 1 CPU 2048MB Memory 2000GB Bandwidth	60 GB SSD \$20/mo \$0.03/h 2 CPU 4096MB Memory 3000GB Bandwidth
100 GB SSD \$40/mo \$0.06/h	200 GB SSD \$80/mo \$0.119/h		

Servers Qty: - 1 +

Summary: **\$5.00/mo** (\$0.007/hr)

Deploy Now

- 2.5 Move to step 7 and give your masternode VPS a name.

7 Server Hostname & Label

Enter server hostname
masternode1

Enter server label
masternode1

Servers Qty: - 1 +

Summary: **\$5.00/mo** (\$0.007/hr)



Deploy Now

- 2.6 Click "Deploy now"
The server is now being started. Please wait until the status is "Available".
- 2.7 Click the server name and copy the IP-address and password via the copy button.

Location:  New Jersey

IP Address:  

Username: root

Password:  

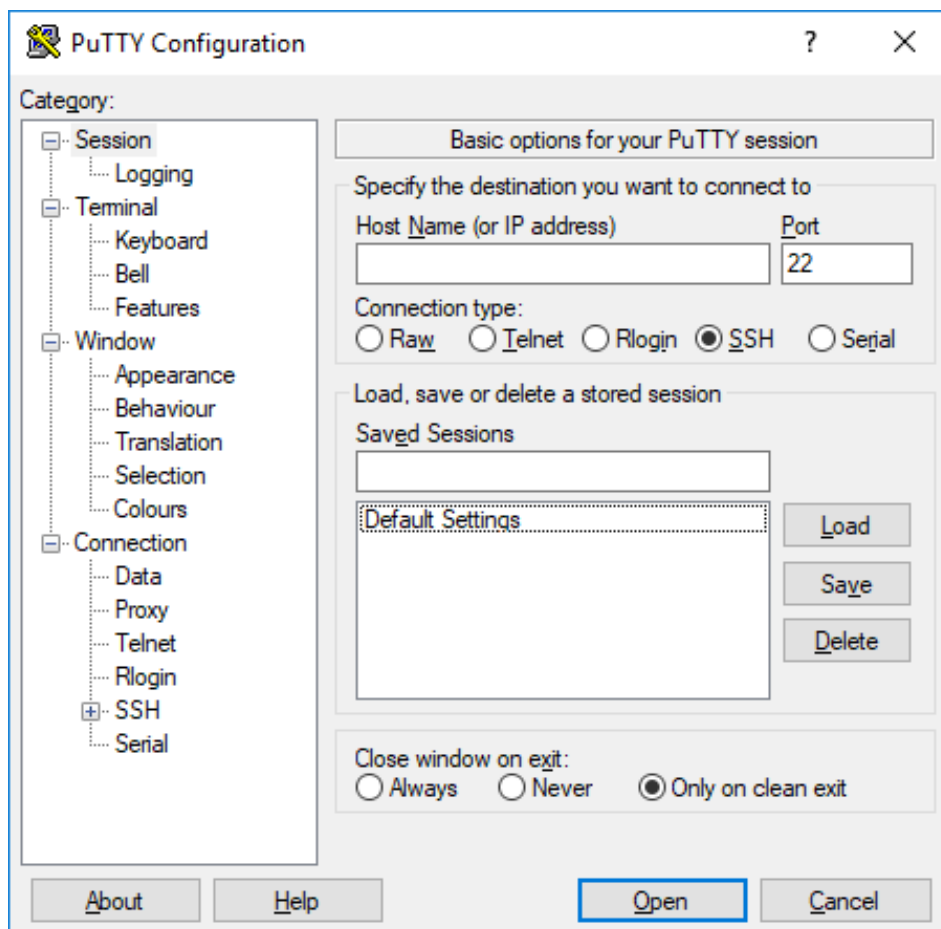
3. Configure your masternode

Depending upon which operating system you are using follow the correct section:

3.1 Windows - [PuTTY](#)

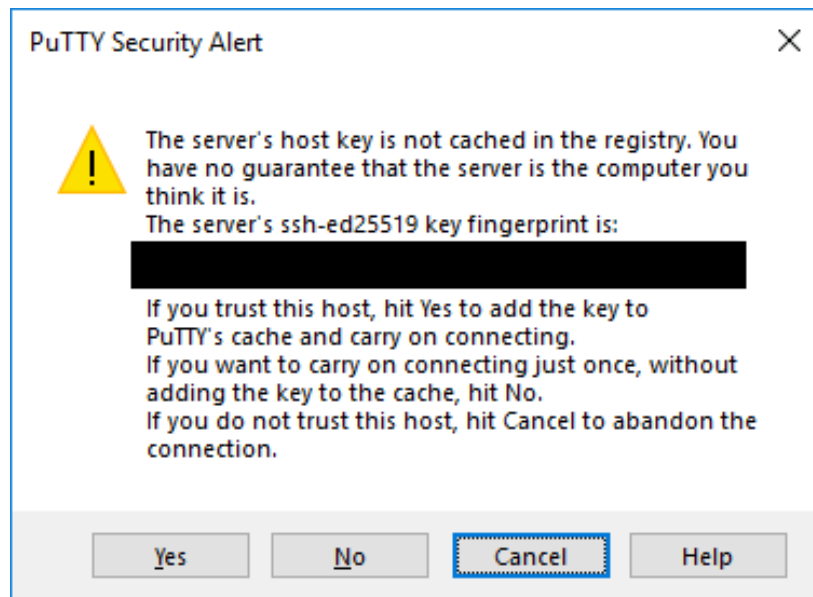
3.1.1 Install PuTTY and run it.

- You will be greeted with the following page



- Fill the Host name field with the IP address you previously copied and click "Open".

- You will see a popup asking you if you trust this host. Choose Yes! (this will only be asked once).

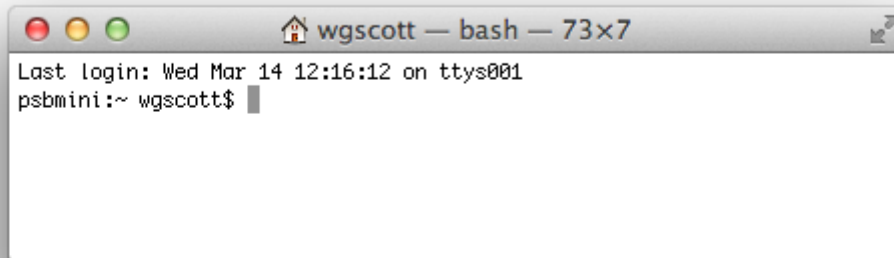


- Login as "root". Hit ENTER
- Copy the password you saved previously and right click in the putty terminal. ENTER.
- You are now logged into your server:

```
root@demo: ~  
login as: root  
root@149.28.32.61's password:  
Welcome to Ubuntu 16.04.3 LTS (GNU/Linux 4.4.0-109-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/advantage  
  
118 packages can be updated.  
49 updates are security updates.  
  
root@demo:~# █
```

3.2 Mac/Linux - Terminal (preinstalled)

- You can find Terminal by following the steps:
- Go to Finder, Applications then click on utilities, then you'll find the terminal there.



- Type: `ssh root@YourMasternodeIPAddress`. ENTER.
- You are now logged into your server.

3.3 General steps

Let's update our system to the latest version to make sure we are secure.

- Type: `sudo apt-get update` ENTER
- Wait until this finishes
- Type: `sudo apt-get upgrade` ENTER

```

root@demo: ~
bsdutils cloud-guest-utils cloud-initramfs-copymods
cloud-initramfs-dyn-netconf curl distro-info-data dnsutils dpkg
friendly-recovery gcc-5-base grub-common grub-legacy-ec2 grub-pc grub-pc-bin
grub2-common hdparm ifupdown initramfs-tools initramfs-tools-bin
initramfs-tools-core iproute2 isc-dhcp-client isc-dhcp-common
libapparmor-perl libapparmor1 libapt-inst2.0 libapt-pkg5.0 libaudit-common
libaudit1 libbind9-140 libblkid1 libc-bin libc6 libcurl3-gnutls
libdns-export162 libdns162 libfdisk1 libgcrypt20 libicu55 libisc-export160
libisc160 libiscccl40 libisccfg140 liblwres141 libmount1 libnumal
libpam-cracklib libpam-modules libpam-modules-bin libpam-runtime
libpam-systemd libpam0g libparted2 libpci3 libperl5.22 libplymouth4
libsmartcols1 libssl1.0.0 libstdc++6 libsystemd0 libtasn1-6 libudev1
libuuid1 linux-base linux-firmware locales lshw mount multiarch-support ntp
open-vm-tools openssh-client openssh-server openssh-sftp-server openssl
overlayroot parted patch pciutils perl perl-base perl-modules-5.22 plymouth
plymouth-theme-ubuntu-text python-apt-common python3-apport python3-apt
python3-distupgrade python3-problem-report python3-update-manager resolvconf
rsync sensible-utils snapd sosreport systemd systemd-sysv
ubuntu-release-upgrader-core udev update-manager-core update-notifier-common
util-linux uuid-runtime xdg-user-dirs
111 upgraded, 0 newly installed, 0 to remove and 3 not upgraded.
Need to get 106 MB of archives.
After this operation, 12.9 MB of additional disk space will be used.
Do you want to continue? [Y/n] y

```

- Type "y" if the system ask for the confirmation of updating the system.

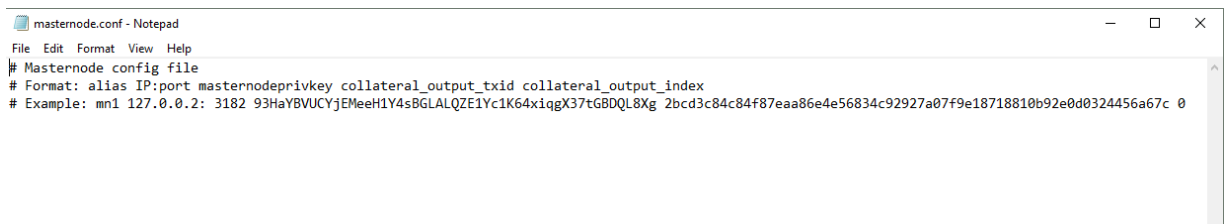
Remember that you can copy the text below and paste it in to the server via RIGHT-MOUSE click for PuTTY, or CMD-V for MAC

- Type: cd ~ ENTER
- Type: wget https://github.com/coinwebfactory/indinode/releases/download/v1.0.0.1-Fix/xind_mn.sh ENTER
- Type: chmod +x ENTER
- Type: bash xind_mn.sh ENTER
- Allow all installation process to be completed. If asked about any packages or daemon compilation then enter "y" and press ENTER

4. Masternode config file in the wallet

- 4.1 Go to open masternode configuration file in the wallet - found on the 'tools' menu Here you will see the format and an example (these three lines are comments so they have no effect)

The format is like this:



```
masternode.conf - Notepad
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2: 3182 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg 2bcd3c84c84f877eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0
```

- 4.2 Add your own real working node details under it.
- 4.3 Put the masternode wallet name, i.e - masternode1
- 4.4 Put the server IP address (your vultr ip or other vps/vm ip) followed by the port : 8696
- 4.5 Put the private key generated in step 1.4
- 4.6 Put the transaction hash and output id from step 1.7

REFER TO THE EXAMPLE FORMAT THAT IS IN 3rd LINE OF THE FILE.

- 4.7 Once complete, save the file

The file will look like this:

```
# Masternode config |file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2: 3182 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0
MN01 124.84.0.17: 3182 93Lwp71Msy8WMeEh1Y4sBGLALQZE1Yc1K64xiqgX302TnOpuDn6 4j0kw83Kmw1p96spa86e4e56834c92927a07f9e18718810b92e0d0Pd6L20Bema 0
```

- 4.8 Restart the wallet
- 4.9 Go to your wallet and go to the masternode page.

Select the masternode and press: "Start alias".

Start alias

To verify that the masternode is running on the vps:

- Type : `cd /usr/local/bin/ ENTER`
- Type: `./indinode-cli masternode status ENTER`
- If you get this output, you are done:

```
"status" : 4,
"message" : "Masternode successfully started"
```

IF YOU GET ERROR OF INVALID IP ADDRESS THEN RESTART THE WALLET. WAIT FOR 5 MINS FOR SYNCHRONIZATION AND GO TO “TOOLS >> DEBUG CONSOLE >>”

Type command

`startmasternode "missing" false`

And press ENTER

For further queries join us on Discord at <https://discord.gg/cGWxndF>
OR on Telegram at <https://t.me/IndiNodeChat>

