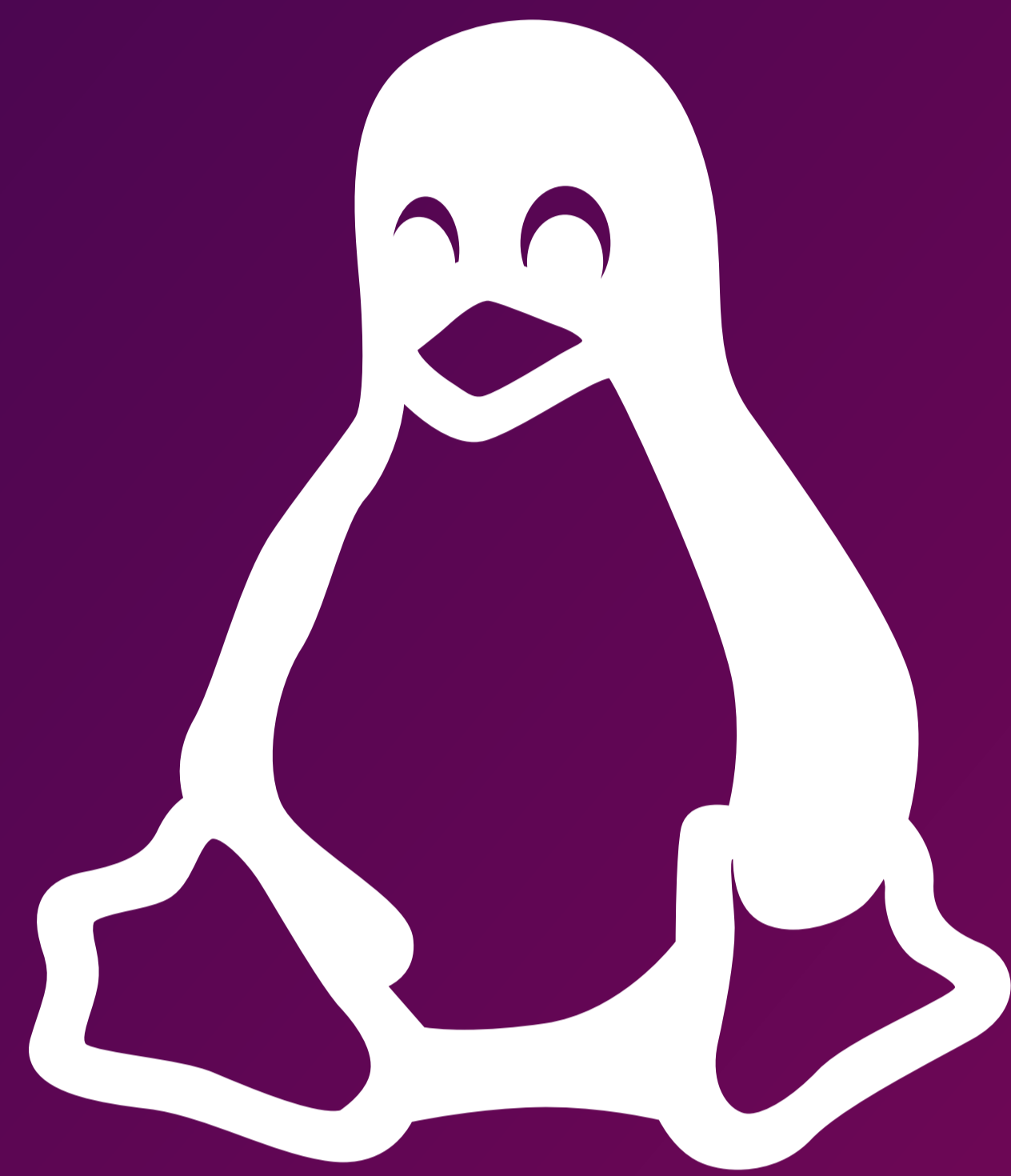


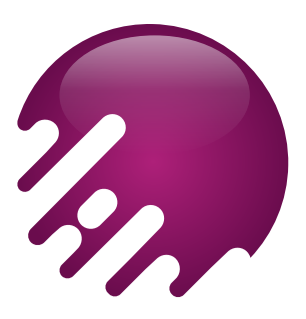


ICHIBA



# LINUX

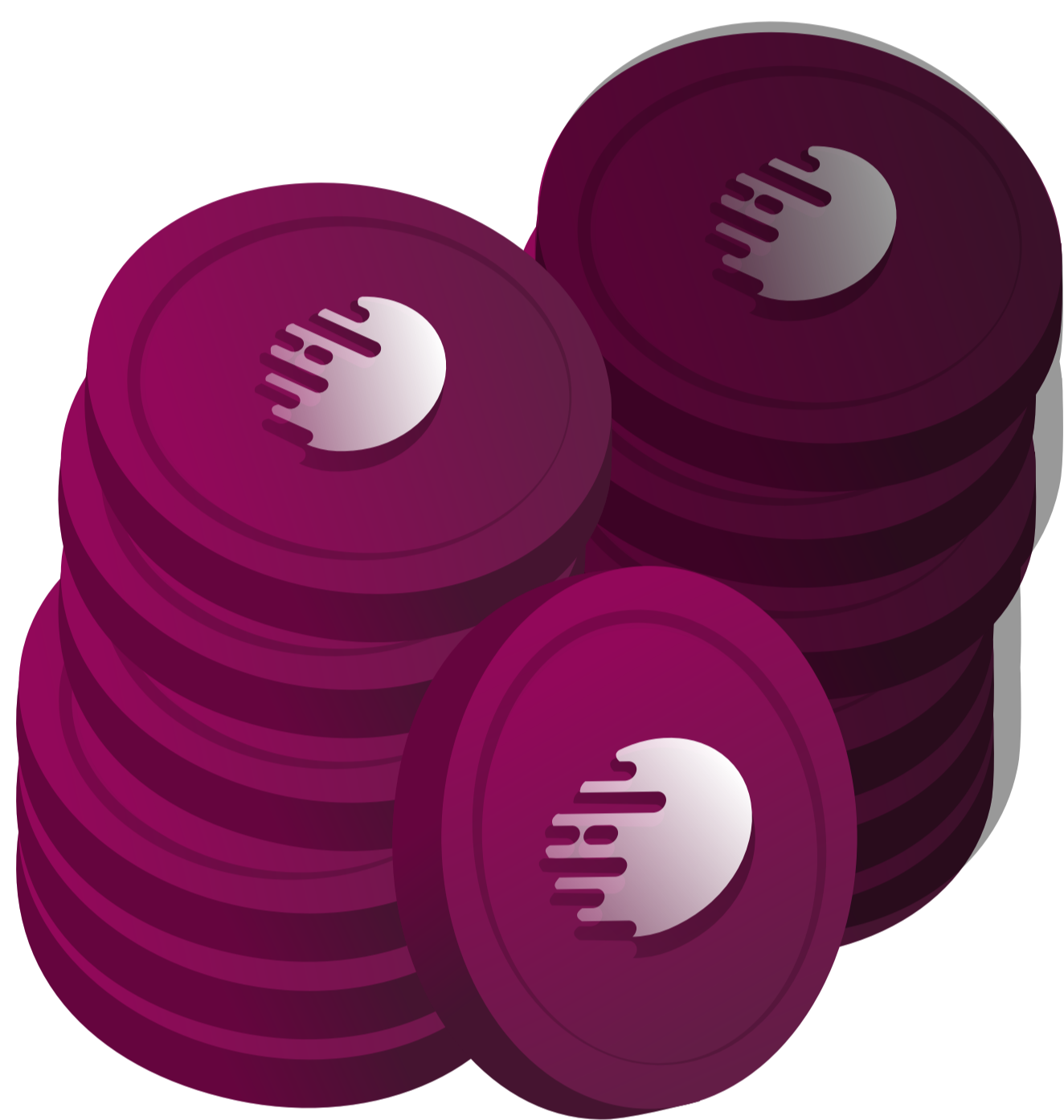
## MASTERNODE SETUP GUIDE



# Basic Requirements

This guide is for a masternode, on a Ubuntu 16.04 64bit server (VPS) running headless and will be controlled from the wallet on your local computer. The wallet on the the VPS will be referred to as the "VPS wallet".

1



5000 ICA

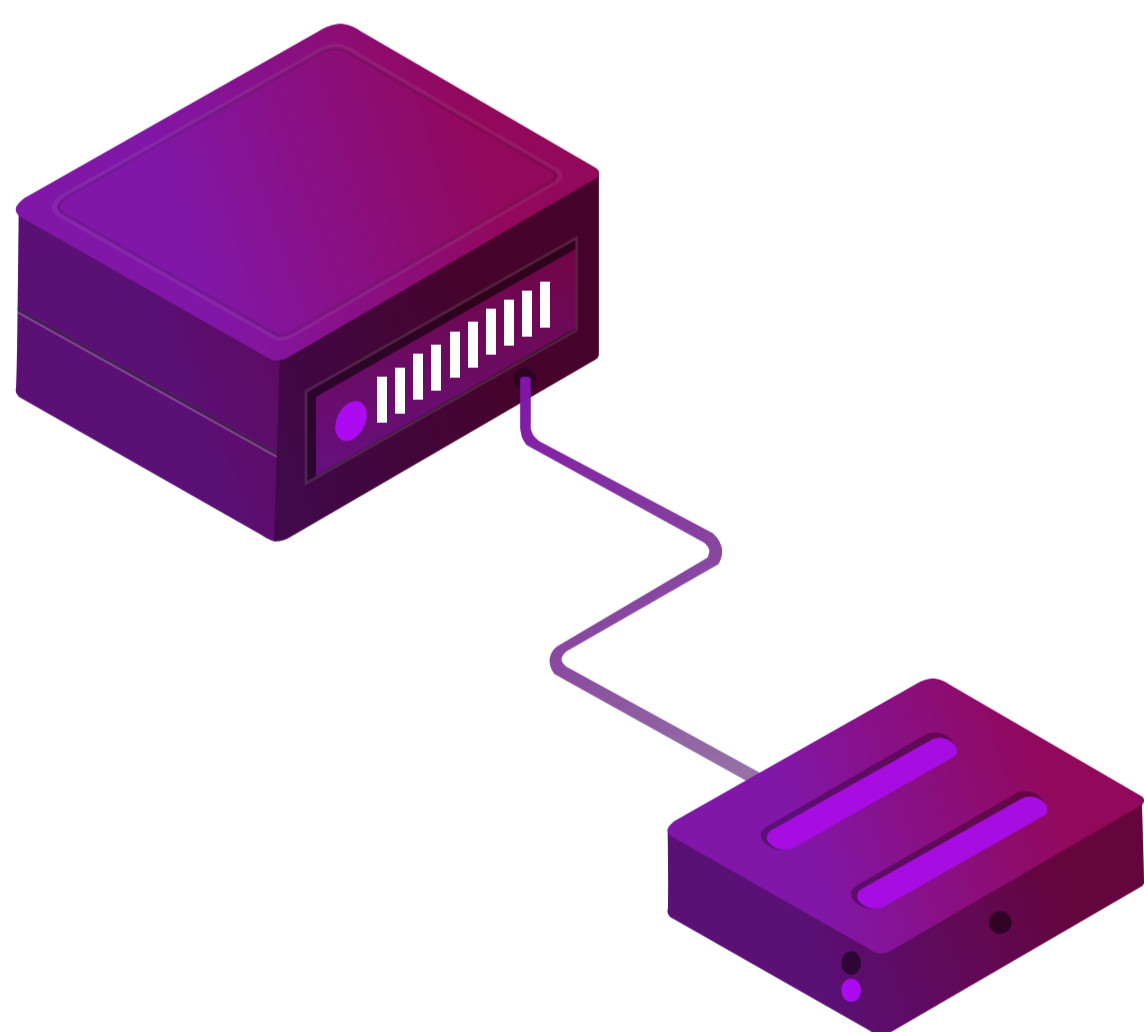
2



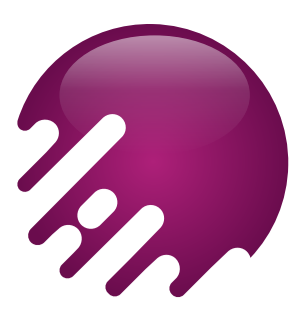
A main computer (Your everyday computer)

This will run the control wallet, hold your 5000ICA and can be turned on and off without affecting the masternode.

3



Linux Masternode Server with a unique IP address / VPS wallet (VPS – The computer that will be on 24/7)



## Configuration of your main computer's wallet

First **download latest Wallet** according to your running OS from the address below for your main computer (Your everyday computer).

```
1 https://github.com/IchibaCoin/ICHIBA/releases/download/v1.0/IchibaCoin-.Linux.zip
```

### Step 1

Using the control wallet, **enter the debug console** (Tools > Debug console) and type the following command:

```
1 masternode genkey (This'll be the masternode's privkey. We'll use this later)
```

### Step 2

Using the control wallet still, **enter the following command:**

```
1 getaccountaddress yourmasternodesname
```

### Step 3

**Still in the your daily computer's wallet, send 5000 ICA to the address you generated in step 2.**

Double check the address that you'll send.

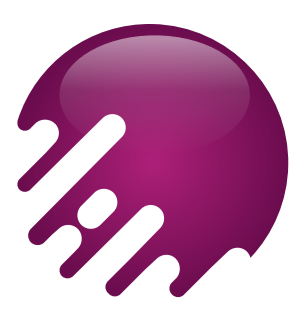


**We can not anything by mistaken transactions.**

### Step 4

Still in the your daily computer's wallet, **enter the command into the console:**

```
1 masternode outputs (This will return values if you send correctly 5000 ICA)
```



## Step 5

Still on the your daily computer, go into the IchibaCoin data directory, by default in Windows it'll at be

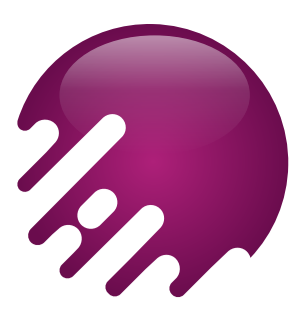
```
1 C:\Users\%username%\AppData\Roaming\IchibaCoin
```

Find **masternode.conf** and add the following line to it:

```
1 <Name of Masternode(Use the name you entered earlier for simplicity)> <Unique IP address>:  
2 2219 <The result of Step 1> <Result of Step 4> <The number after the long line in Step 4>
```

Substitute it with your own values and without the "<>"s.

```
1 Mn2 209.250.252.98:2219 892WPpkqbr7sr6Si4dfsfsjjapuFzAXwETCrpPJubnrmU6aKzh  
2 c8f4965ea57a68d0e6 dd384324dfd28cfbe0c801015b973e7331db8ce018716999 1
```



## Linux VPS wallet install

### Step 6

Install the latest version of the **IchibaCoinwallet** onto your masternode.

**1. Navigate to home directory at Linux VPS.**

```
1 cd ~
```

**2. Download latest IchibaCoinwallet from GitHub.**

```
1 wget https://github.com/IchibaCoin/ICHIBA/releases/download/v1.0/ichiba.tar.gz
```

**3. Unzip and extract.**

```
1 tar -zxvf ichiba.tar.gz
```

**4. Navigate to IchibaCoinwallet file's location.**

```
1 cd ichiba
```

**5. Start wallet for first time on VPS.** It is necessary to auto-create config files.

```
1 ./ichibacoind
```

**6. Exit wallet to continue by pressing;**

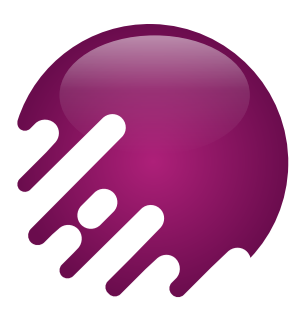
```
1 CTRL + C (Send kill command for running process)
```

## Configuration Conf. File

### Step 7

Now **on the masternodes**, find the **IchibaCoin data directory** here.  
(Linux: /root/.IchibaCoin)

```
1 cd /root/.ichibacoin
```



## Step 8

Open the IchibaCoin.conf by typing :

```
1 vi ichibacoin.conf
```

Then press I to go into insert mode and make the config look like this:

```
1 rpcuser=long random username
2 rpcpassword=longer random password
3 rpcallowip=127.0.0.1
4 server=1
5 daemon=1
6 logtimestamps=1
7 maxconnections=256
8 masternode=1
9 externalip=your unique public ip adress
10 masternodeprivkey=Result of Step 1
```



Make sure to replace rpcuser and rpcpassword with your own.

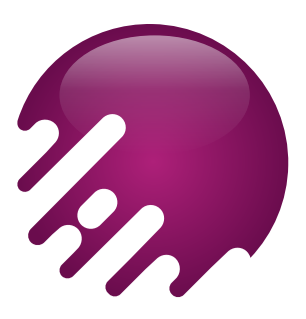
## Step 9

To exit the editor press :

```
1 esc
```

Then :

```
1 :wq! (then press enter)
```



## Start your masternode

### Step 10

Start the daemon client in the VPS. Navigate to your linux wallet directory

```
1 cd ~/ichiba
```

Then start wallet with writing:

```
1 ./ichibacoind
```

### Step 11

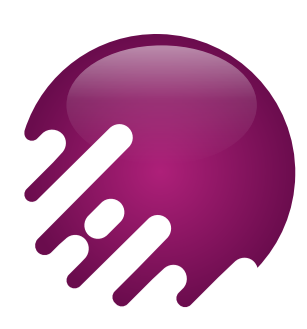
Turn back your main daily computer and open your wallet. **Tab your wallet's masternode section** and click **"Start Alias"** button.

**MASTERNODES** ICHIBA

Note: Status of your masternodes in local wallet can potentially be slightly incorrect. Always wait for wallet to sync additional data and then double check from another node if your node should be running but you still see "MISSING" in "Status" field.

Alias	Address	Protocol	Status	Active	Last Seen (UTC)	Pubkey
mn	209.250.241.158:2219	-1	MISSING	00m:00s	1970-01-01 00:00	

Start alias Start all Start MISSING Update status Status will be updated automatically in (sec): 6



Wallet will ask you "Are you sure you want to start masternode ... ?" with prompt. **Click yes to confirm starting it.**

The screenshot shows the 'MASTERNODES' section of the Ichiba wallet interface. A table lists a masternode with the alias 'mn' and status 'MISSING'. A modal dialog box titled 'Confirm masternode start' is displayed, asking 'Are you sure you want to start masternode mn?'. The 'Yes' button is highlighted with a red box. Below the table, there are buttons for 'Start alias', 'Start all', 'Start MISSING', and 'Update status'. A status indicator at the bottom right says 'Status will be updated automatically in (sec): 48'.

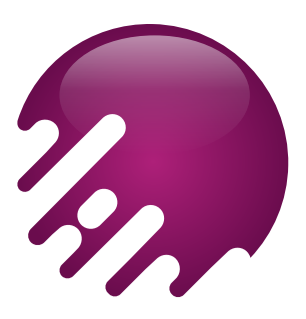
Alias	Address	Protocol	Status	Active	Last Seen (UTC)	Pubkey
mn	209.250.241.158:2219	-1	MISSING	00m:00s	1970-01-01 00:00	

**And your local computers masternode will start running.**

The screenshot shows the same 'MASTERNODES' section. A modal dialog box titled 'IchibaCoin-Qt' is displayed, showing the message 'Alias: mn Successfully started masternode.' with an 'OK' button. The dialog box is highlighted with a red box. The 'Update status' button at the bottom right now shows 'Status will be updated automatically in (sec): 35'.

Alias	Address	Protocol	Status	Active	Last Seen (UTC)	Pubkey
mn	209.250.241.158:2219	-1	MISSING	00m:00s	1970-01-01 00:00	





## Step 12

Back in the VPS wallet, start the masternode, wait for some time to wallet fully synced.

```
1 ./ichibacoin-cli startmasternode local false
```



A message **"masternode successfully started"** should appear.

## Step 13

Use the following command to check status:

```
1 ./ichibacoin-cli masternode status
```

You should see something like:

```
1 {
2   "txhash" : "334545645643534534324238908f36ff4456454dffff51311",
3   "outputidx" : 0,
4   "netaddr" : "45.11.111.111:51472",
5   "addr" : "D6fujc45645645445645R7TiCwexx1LA1",
6   "status" : 4,
7   "message" : "Masternode successfully started"
8 }
```

**Congratulations! You have successfully created your masternode!**



Now the masternode setup is complete, you are safe to remove **"enablezeromint=0"** from the IchibaCoin.conf file of the control wallet.

