

How to Create a SWAMP Masternode Utilizing Only a Windows PC

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Purpose

The purpose of this document is to guide you through creating a masternode on a windows PC without the need for a Linux VPS (virtual Private Server) or running any scripts.

Prerequisites

- Internet connection
- 1 Public IP Address
- Ability to route traffic from internet
- 1000 Swamp Coin
- A PC running Microsoft Windows operating system

Masternode Guide

Creating a Windows only masternode is similar to other masternode creation guides with the main difference coming in 2 areas

Differences

#1 - there is no need to purchase or create a Linux VPS

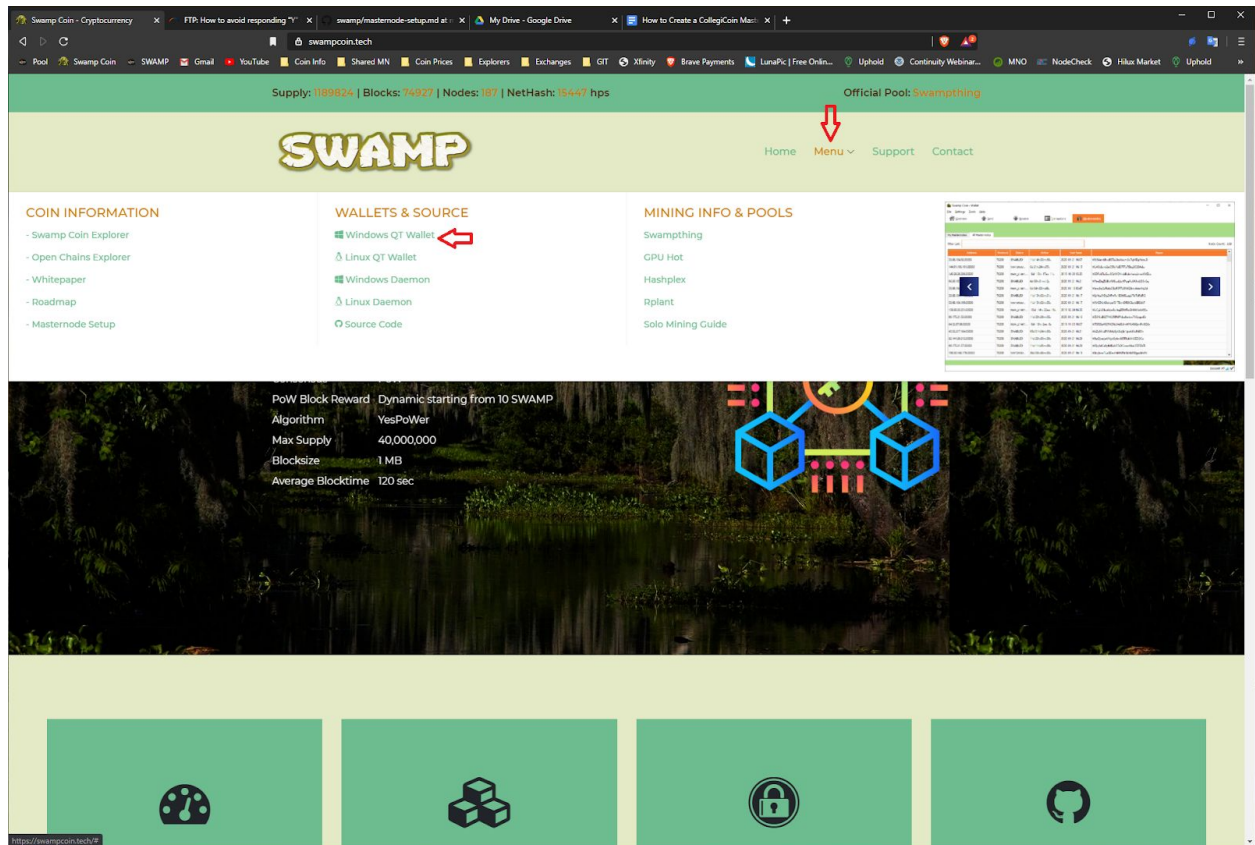
#2 - You must add additional settings to your masternode.conf file

Note: this configuration is not secure since you have a hot wallet running which can be accessed by malware or an intruder who steal your coins. This guide is provided as a solution for those who have no other options and is not officially supported by the Swamp Coin team.

Installing the Swamp Coin wallet

The wallet is available directly from links found on the Swamp Coin website which can be accessed by pointing your browser to <https://swampcoin.tech> The links are by clicking Menu → Wallets & Source. For the Windows masternode you will need to download the “**Windows QT Wallet**”. Click the link and download the zip file. The file is hosted on Github so its safe!

Generally user have 2 wallets, one to mine or purchase and send coins to and another to send the masternode coins to. This is the recommended approach but feel free to experiment with other configurations. A 2 wallet approach will be what is covered in this guide.

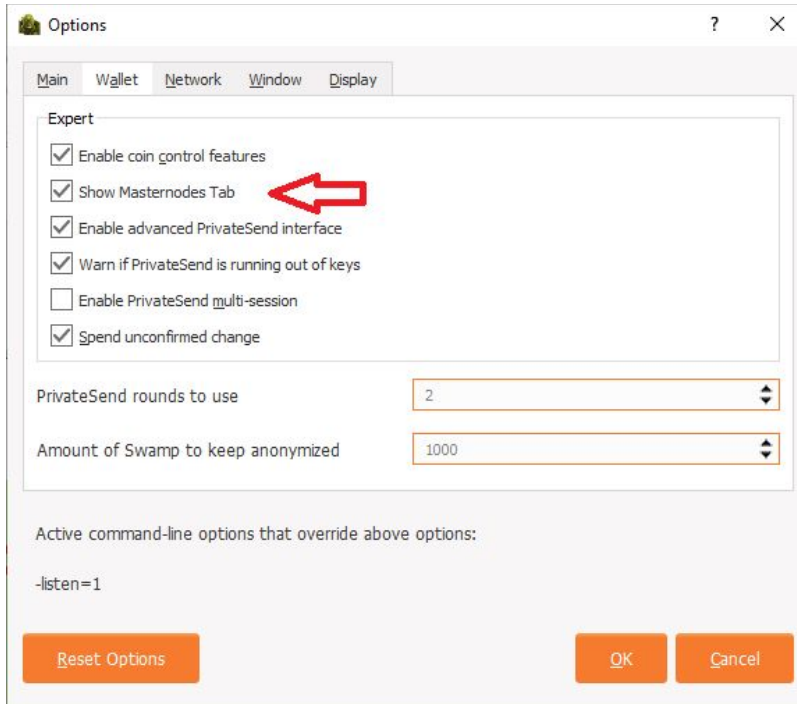


Once downloaded, extract the files to the location on your hard drive that you want the wallet to run. Doubleclick “**swamp-qt.exe**” and start the wallet. Repeat this process on the Windows computer that you want to run the masternode.

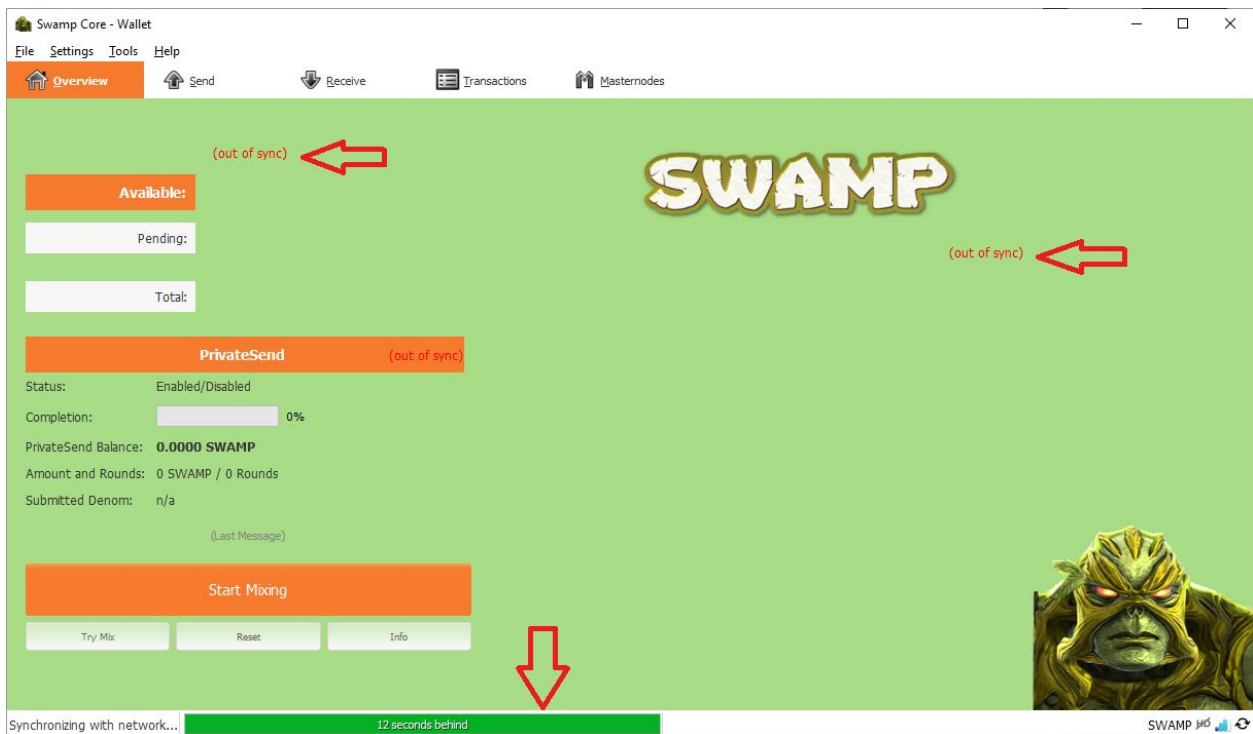
Once installed your wallet will launch and begin to synchronize with the blockchain. It is very likely that your Windows PC will ask you to allow traffic to the wallet, allow it by pressing the **Allow** button.

Allow the wallet to fully synchronize which is visually depicted by the green progress meter on the bottom of the wallet. 2 screenshots are included below showing Out of Sync and In Sync.

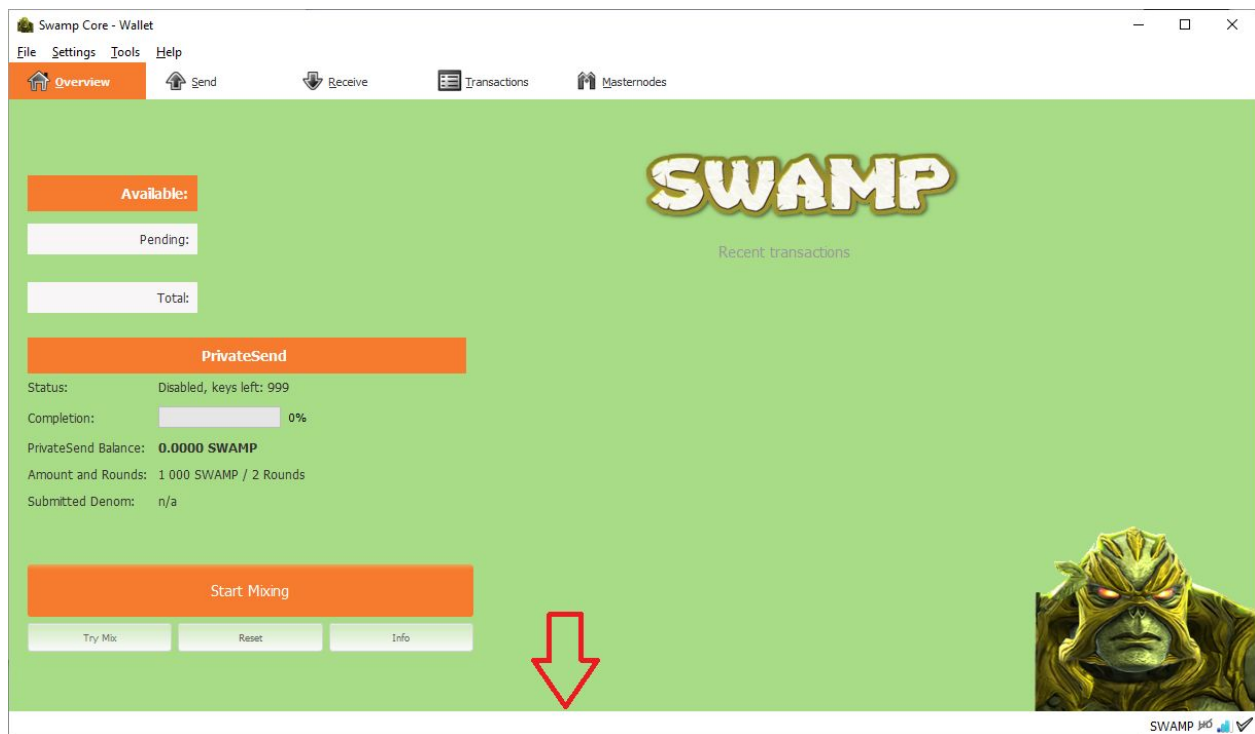
NOTE - The screens may not look exactly like yours because it has multiple options selected because let's face it, we are fairly techie so we have chosen the following option in the settings, but at minimum you should check **Show Masternode Tab**: Do this by clicking **Tools** → **Options** → **Wallet** (tab)



Out of Sync



Synchronized (no green bar)



Stocking Masternode Wallet with Proper Coins

In the wallet that will become your Masternode, (1) click the **Receive** button and copy the wallet address on screen and (2) Click **Request Payment** button. This will generate a popup with an address you can send you Masternode coins too. (3) Press the **Copy Address** Button to copy the wallet address to your Windows clipboard

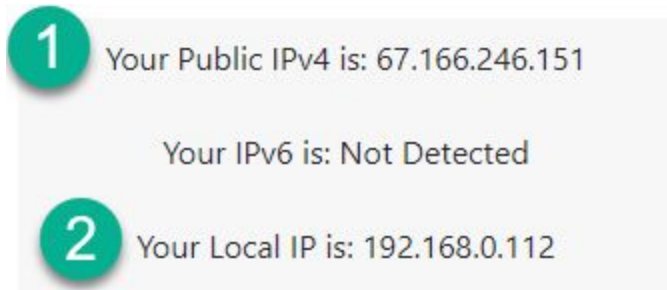


Now that you have the address, send 1000 Swamp Coins to your wallet address (can be sent from the masternode wallet or another wallet). Be sure **NOT** to check the Subtract fee from amount check box.

Agree to the prompts making sure you are absolutely certain of the address and away the payment will go!

Obtaining your External IP Address

On your Masternode PC, visit <https://www.whatismyip.com/> and note the Public IPv4 address on the top of the screen as well as your Local IP address



Routing Traffic to the Windows PC

While you are waiting for your 1000 SWAMP payment to get fully confirmed (15 confirmations) in your Masternode wallet you will need to access your internet router to tell it where to send Swamp Coin Masternode traffic. Unfortunately it is impossible to instruct everyone on the proper process to route traffic simply because of the number of routers and interfaces that exist on the countless number of routers that exist. To that end, the high level settings are:

- (1) Access your router (generally through a web browser which is address something like <http://192.160.0.1> or <http://10.1.0.1> Since you set up your router it's assumed you know how to access it.
- (2) Your router will most likely have an advanced section or a Forward section. Access the proper section and fill in the blanks to tell your router to forward all traffic from port **33333** to the Local IP address in the step above. Here is a screenshot of a TP Link router setting. It is known as a virtual server. The Local IP address noted above have been placed in the fields for your convenience.

Add or Modify a Virtual Server Entry

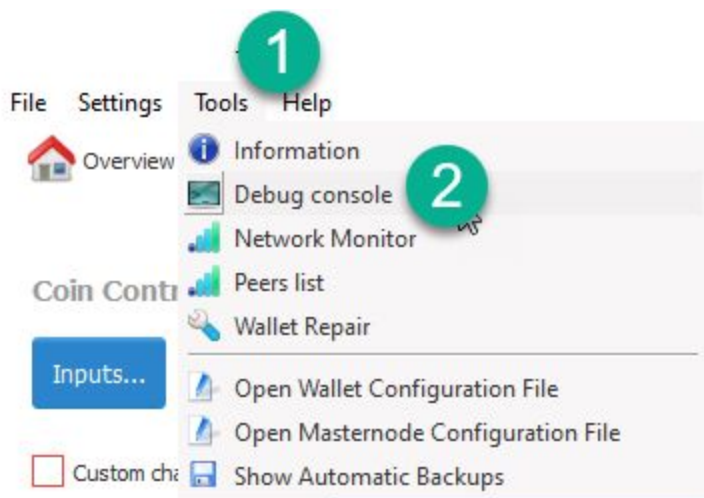
Service Port:	33333	(XX-XX or XX)	External Port
Internal Port:	33333	(XX - Only valid for port 1)	Internal Port
IP Address:	192.168.0.112		Local IP
Protocol:	All		
Status:	Enabled		
Common Service Port:	--Select One--		

Save Back

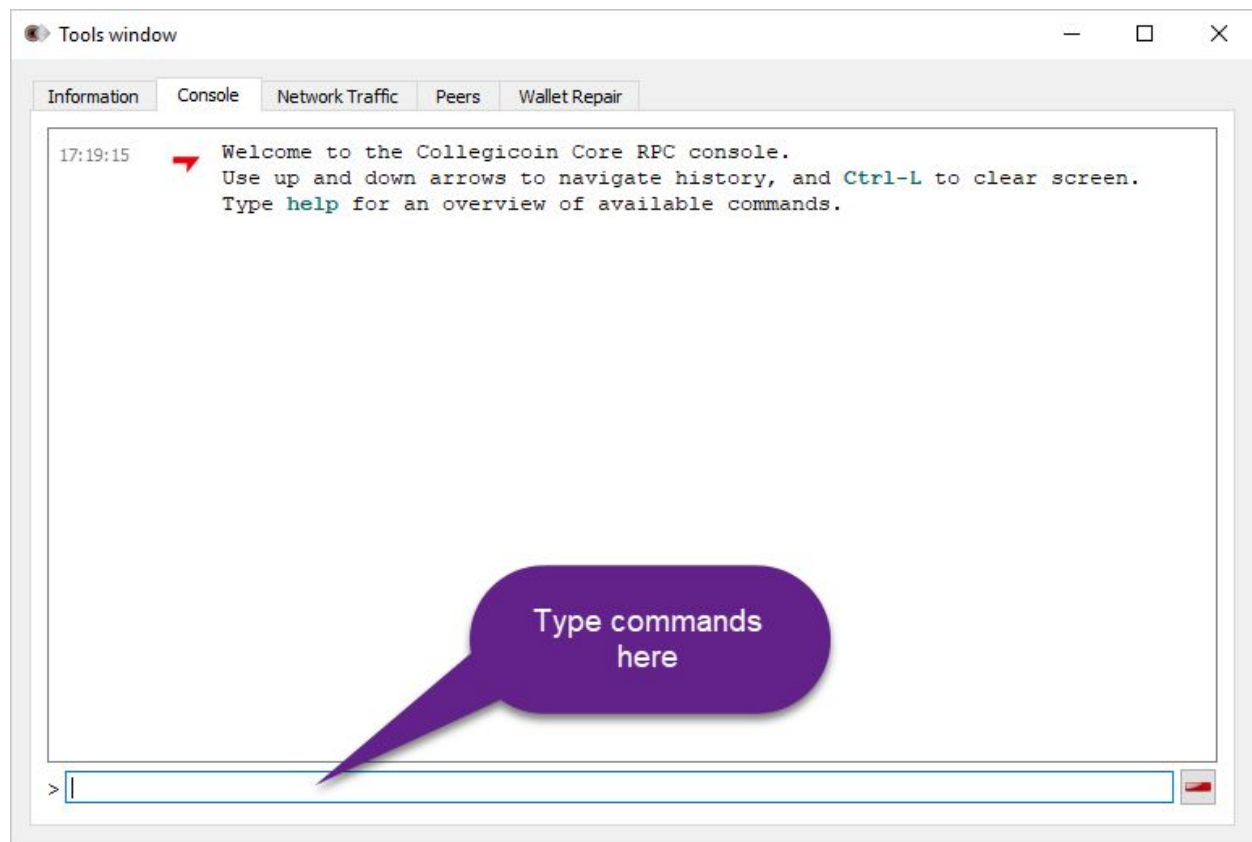
(3) Press save. Typically settings changes for routing will require a router reboot. Do so now if yours does.

Obtaining Masternode Outputs Data

You will need to launch the Debug Console in your masternode wallet to obtain 2 pieces of information. To launch the Console press the (1) **tools** menu then the (2) **Debug console** menu item and you will be presented with the Debug Console.



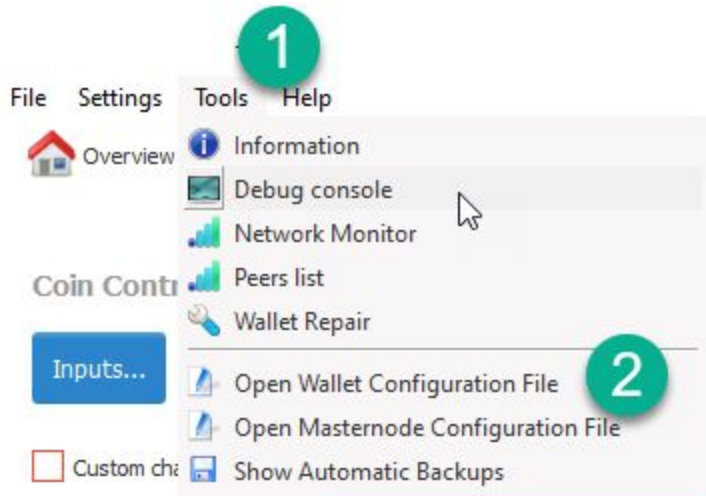
The first is the **Masternode Outputs** data is the first we need to obtain. Type "**masternode outputs**" and press enter. You will get a long string we will call **YOUR TX-ID** and a number (1 or 0) we will call **#**. Copy the result somewhere to use in a moment.



Next type "**masternode genkey**" and press enter. This is known as your **YOUR_PRIVATE_KEY**. Also copy that result to be used in a moment

Adding Configuration Data to swamp.conf File

You now have all the data you need to wrap up this process. First you will need to add entries to your wallet configuration file. To access the file click the(1) **tools** menu and select the "**open wallet configuration file**" menu item. It will pop up a notepad file named collegicoin.conf and should be empty. Enter the following data but substitute the IP information obtained earlier in as well as a **rpcuser** and **rpcpassword** the designated places. For your convenience the places you need to edit are in red

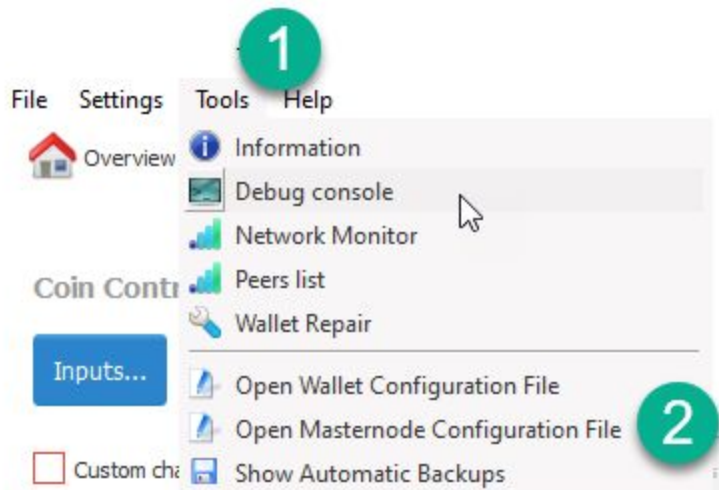


```
rpcuser=ENTER COOL USER NAME  
rpcpassword=ENTER COOL PASSWORD  
rpccallowip=127.0.0.1  
listen=1  
server=1  
maxconnections=256  
masternode=1  
externalip=PUBLIC_IP  
masternodeprivkey=YOUR_PRIVATE_KEY
```

Save your notepad file by clicking **File** → **Save**

Adding Configuration Data to Masternode.conf File

To access the file click the(1) **tools** menu and select the “**open masternode configuration file**” menu item. It will pop up a notepad file named masternode.conf and should be empty. Enter the following data but substitute the IP information, **YOUR_PROVATE_KEY** and **#** obtained earlier



mn1 **PUBLIC_IP:33333 YOUR_PRIVATE_KEY YOUR_TX_ID #**
Save your notepad file by clicking **File** → **Save**

Starting Your Masternode

It's best to go ahead and close your masternode wallet. Reopen it and let it fully synchronize again. Once Synchronized click (1) **Masternode** tab and (2) Ensure you are on the **My Masternodes** tab (3) Right click the row representing your Masternode and select **Start Alias**. Your status column will read **PRE_ENABLED** while it is starting.

File Settings Tools Help

Overview Send Receive Transactions Masternodes **1**

My Masternodes **2** All Masternodes

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 masternode should be running but you still do not see "ENABLED" in "Status" field.

Alias	Address	Protocol	Status	Active	Last Seen	Payee
mnn1	154.22.3.41:3333	70210	Start alias 3	006s	2018-07-27 18:40	C7x8ep4uNfxLcENmfvuRazBmgzPFvPshhm

Start alias Start all Start MISSING Update status Status will be updated automatically in (sec): 29

What to Expect

Wait up to an hour and return. Your status column should go from **PRE_Enabled** to **ENABLED**

Troubleshooting

Go to the Swamp iCoin Discord here

<https://discord.gg/PxwMzE2>