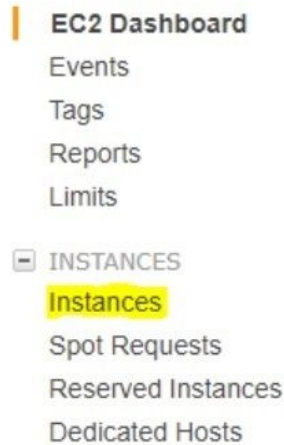


Requirements:

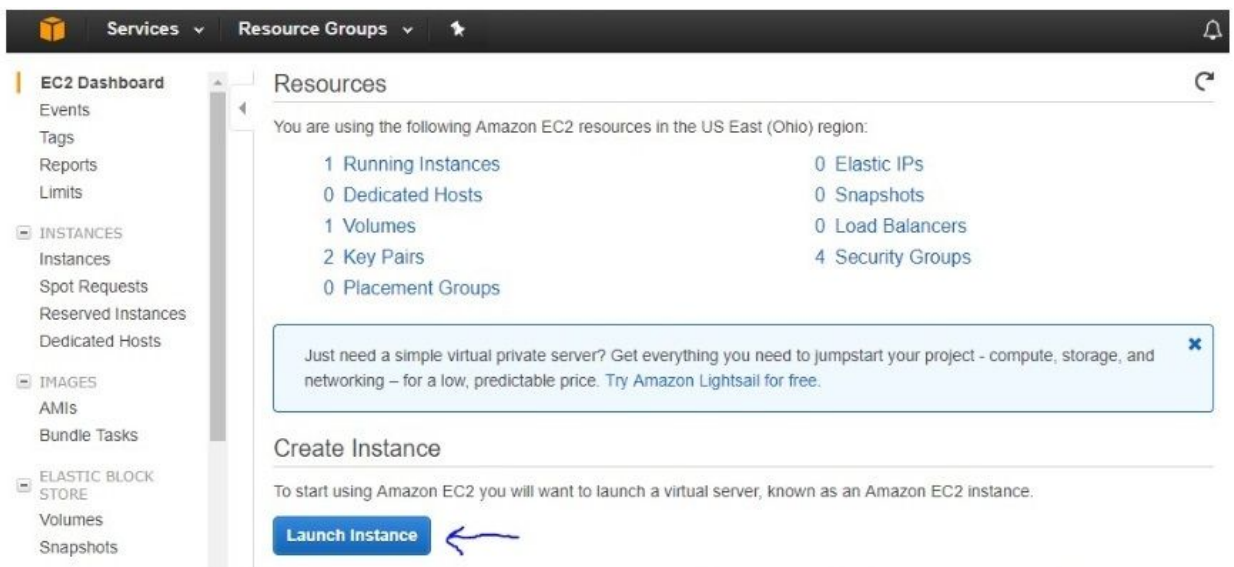
- Create a Amazon EC2 Free Tier Account
- 5001+ DEV (to cover transaction fees)

Steps:

1. Log into your AWS account
2. From your EC2 dashboard, select *Instances*



3. Under *Create Instance*, click *Launch Instance*.



4. Select (free tier eligible) *Microsoft Windows Server 2016 Base - 64* as your OS.



5. Select the default Instance Type, t2.micro (free tier eligible) then click *Review and Launch*.

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes

[Cancel](#)
[Previous](#)
[Review and Launch](#)
[Next: Configure Instance Details](#)

6. Select *Edit security groups*

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

[Security Groups](#)
[Edit security groups](#)

7. Add Rule

1. Type: Custom TCP Rule
2. Protocol: TCP
3. Port Range: 22618
4. Source: Anywhere

Edit inbound rules

Type	Protocol	Port Range	Source	Description
Custom TCP f	TCP	3389	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
Custom TCP f	TCP	22618	Anywhere 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop

[Add Rule](#)

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

[Cancel](#)
[Save](#)

8. Click *Review and Launch*

9. Click *Launch*

Instance Type [Edit instance type](#)

Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

[Security Groups](#)
[Edit security groups](#)

[Cancel](#)
[Previous](#)
[Launch](#)

10. Create a new key pair and give it a name.

Select an existing key pair or create a new key pair

A key pair consists of a **public key** that AWS stores, and a **private key file** that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.

Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about [removing existing key pairs from a public AMI](#).

Create a new key pair

Key pair name

PUT NAME HERE

Download Key Pair

You have to download the **private key file** (*.pem file) before you can continue. **Store it in a secure and accessible location.** You will not be able to download the file again after it's created.

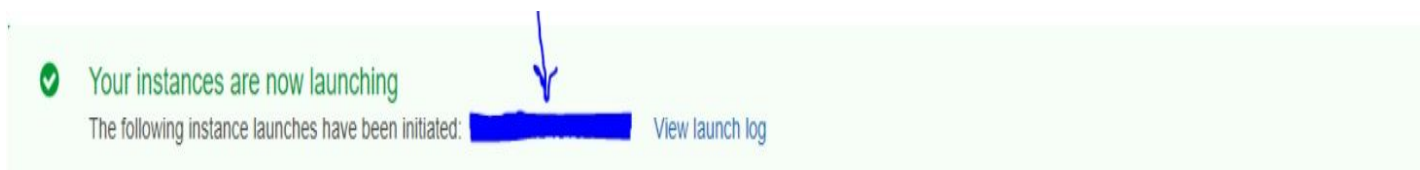
Cancel

Launch Instances

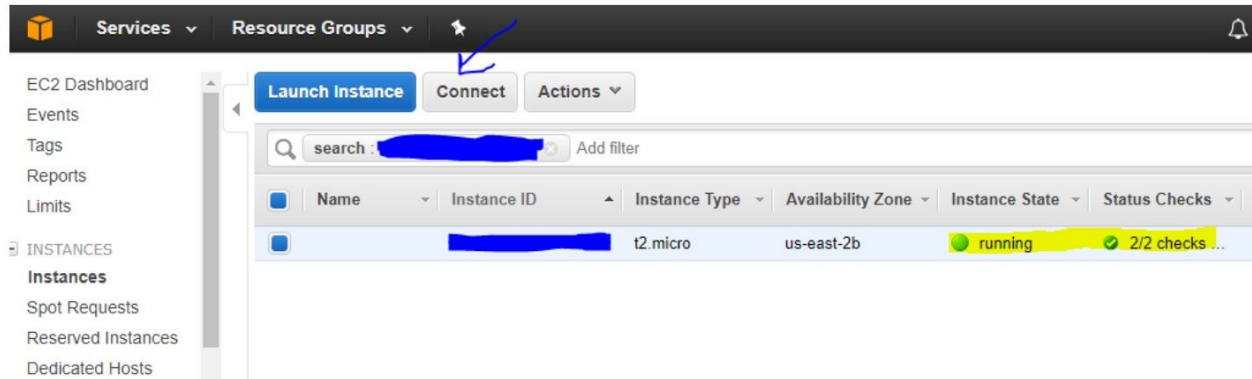
11. Download the pem file and take note of where it is downloaded.

12. Launch the instance.

13. Click on the link to your instance to return to the dashboard.

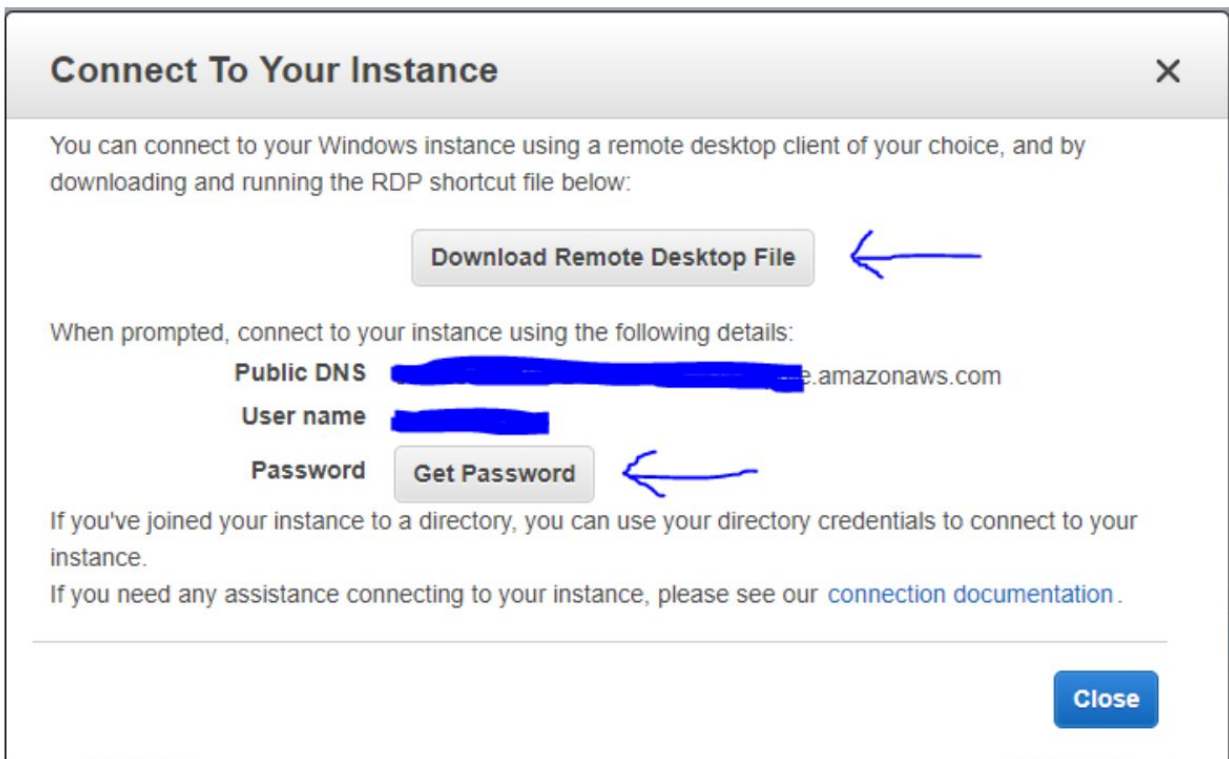


14. Once it is initialized, click *Connect*



15. Download the Remote Desktop File

16. Click *Get Password*



17. Select the pem file from step 11 and click *Decrypt Password*

Connect To Your Instance > Get Password

The following Key Pair was associated with this instance when it was created.

Key Name [redacted] pem

In order to retrieve your password you will need to specify the path of this Key Pair on your local machine:

Key Pair Path No file chosen

Or you can copy and paste the contents of the Key Pair below:

18. Highlight and copy the generated password

Connect To Your Instance

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

When prompted, connect to your instance using the following details:

Public DNS [redacted].amazonaws.com

User name [redacted]

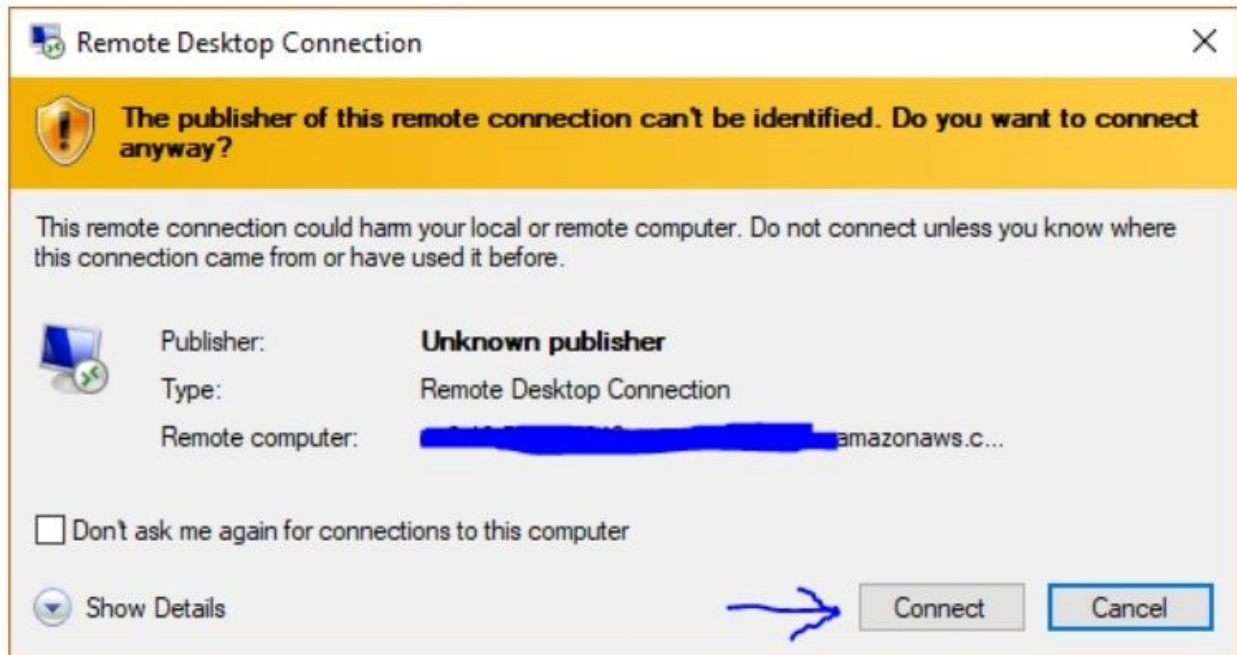
Password [redacted]

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

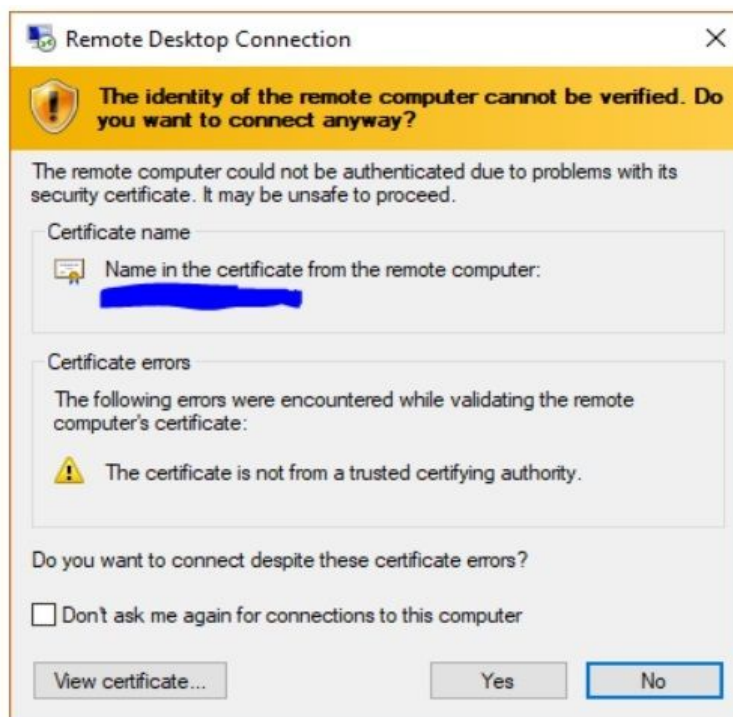
If you need any assistance connecting to your instance, please see our [connection documentation](#).

19. Open Remote Desktop File from step 16

20. Disregard the security warning and click *Connect*.

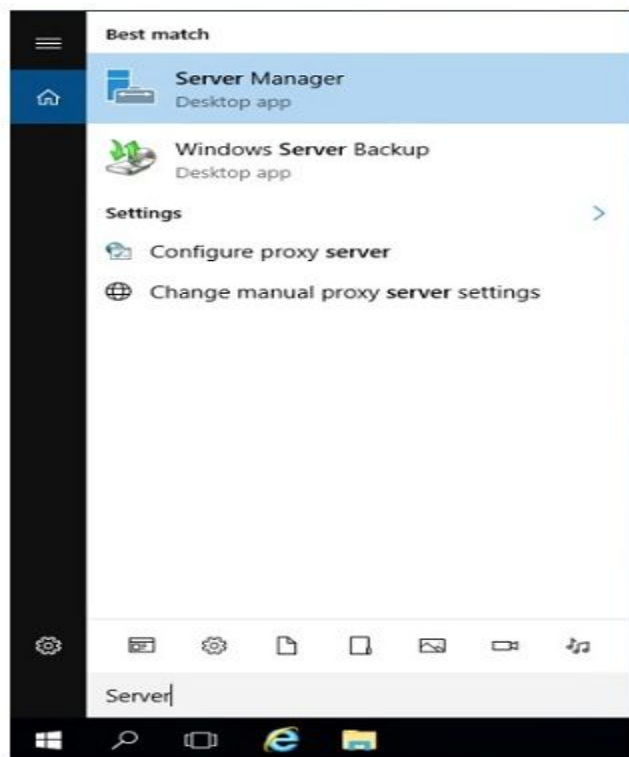


21. Paste the password copied in step 18. (Optional) Remember me, and then click OK.
22. Disregard the security warning and click Yes

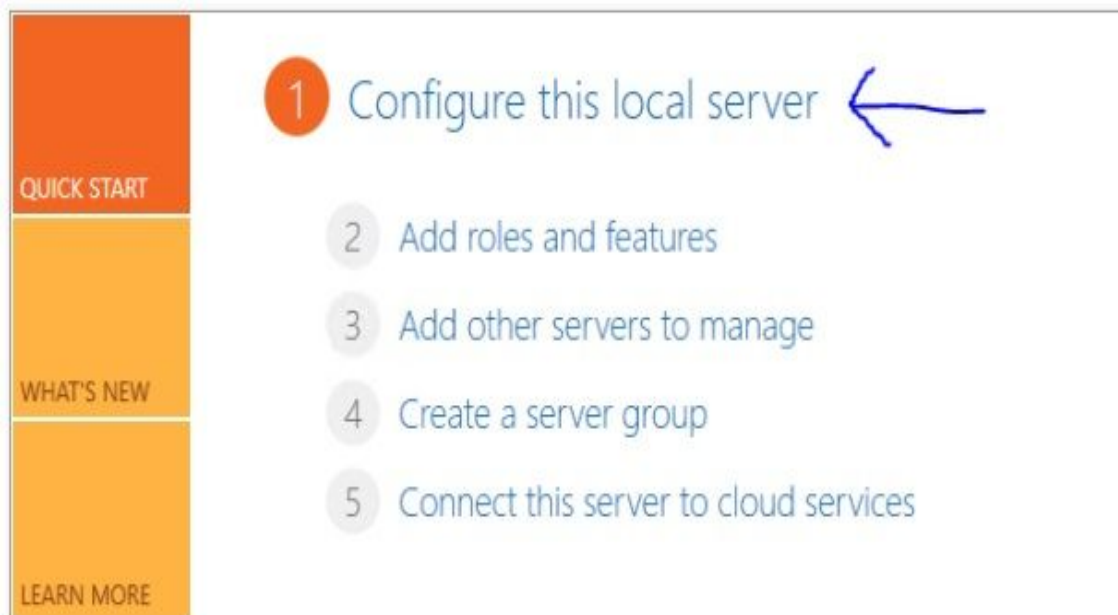


23. Once logged in, we'll need to disable the IE Enhanced Security configuration and install the Deviant Core wallet.

1. From the Windows search icon, search and open Server Manager




2. Click *Configure this Local Server*




3. Open *IE Enhanced Security Configuration* by clicking *On*

PROPERTIES
For [REDACTED] TASKS ▾

Computer name	[REDACTED]	Last installed updates	5/19/2017 8:36 PM
Workgroup	WORKGROUP	Windows Update	Never check for updates
		Last checked for updates	5/19/2017 8:36 PM
Windows Firewall	Private: On	Windows Defender	Real-Time Protection: On
Remote management	Enabled	Feedback & Diagnostics	Settings
Remote Desktop	Enabled	IE Enhanced Security Configuration	On 
NIC Teaming	Disabled	Time zone	(UTC) Coordinated Universal Time
Ethernet 2	IPv4 address assigned by DHCP, IPv6 enabled	Product ID	[REDACTED]
Operating system version	Microsoft Windows Server 2016 Datacenter	Processors	Intel(R) Xeon(R) CPU E5-2676 v3 @ 2.40GHz
Hardware information	Xen HVM domU	Installed memory (RAM)	1 GB
		Total disk space	30 GB


4. Set both to *Off* and click *OK*


 **Internet Explorer Enhanced Security Configuration** ✕

Internet Explorer Enhanced Security Configuration (IE ESC) reduces the exposure of your server to potential attacks from Web-based content.


Internet Explorer Enhanced Security Configuration is enabled by default for Administrators and Users groups.


Administrators:

 ☐ On (Recommended)

 ☒ Off

Users:

 ☐ On (Recommended)

 ☒ Off

[More about Internet Explorer Enhanced Security Configuration](#)

OK Cancel

5. Close out of Server Manager

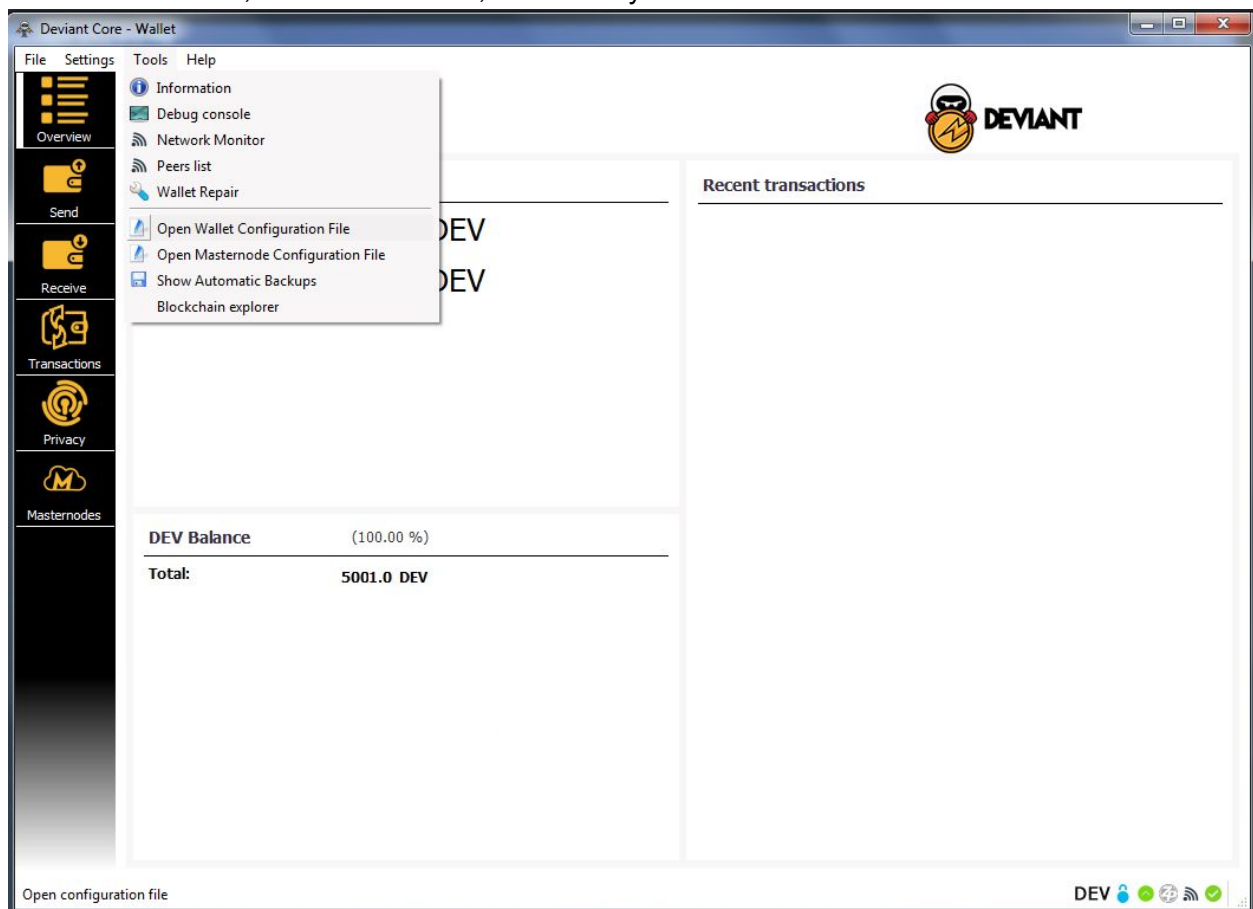
Cold & Hot Wallet Set Up

The following can be used to set up a Masternode locally on a desktop/laptop. It is the advised method of setting up a Masternode for security reasons. Otherwise, these same steps can be followed to set one up on a VPS.

Wallet Set Up

24. Go to <https://github.com/Deviantcoin/Source/releases/> - download and install the latest Windows wallet for your OS and copy the Node List located below them. (**Note:** an explorer other than IE must be used as IE has dropped support for Github as of July 2019).

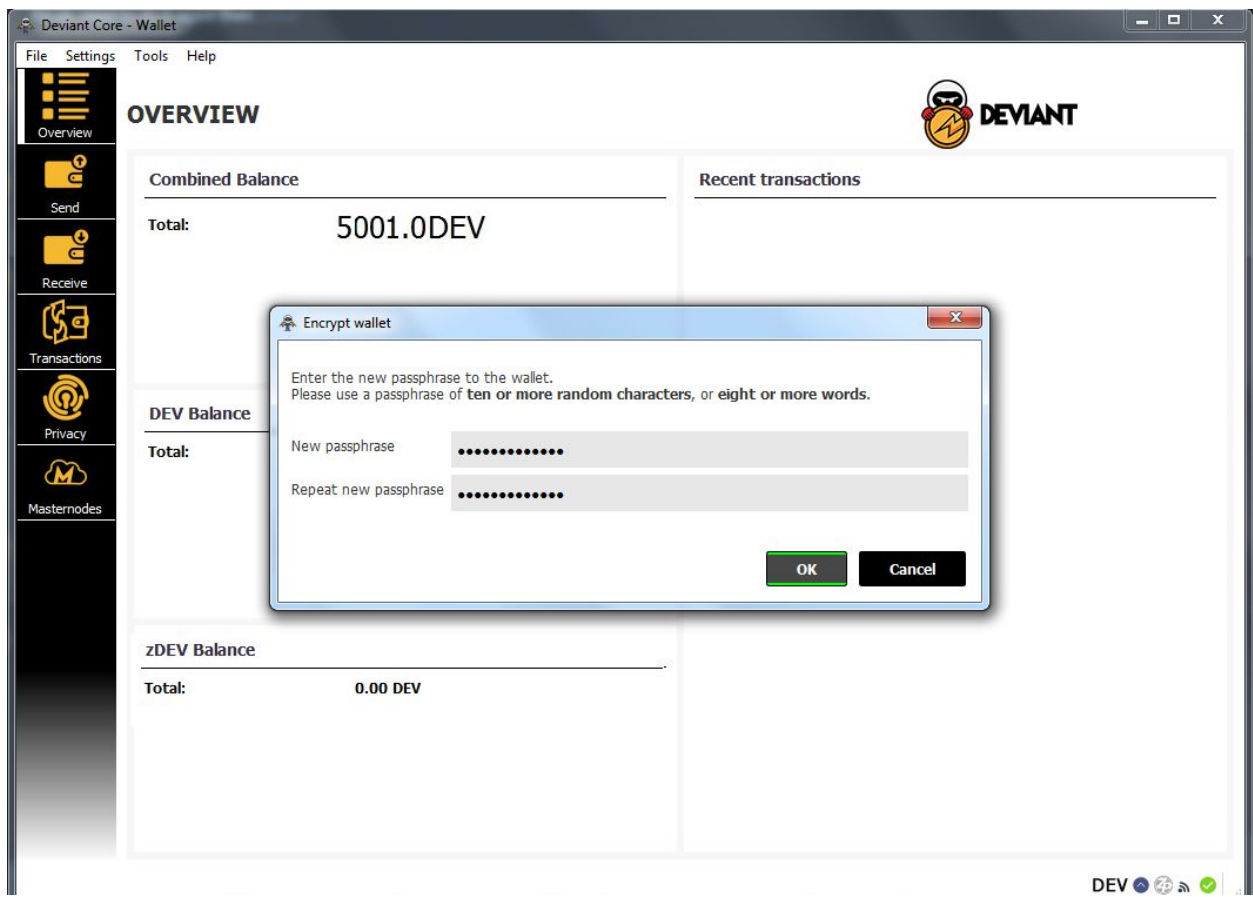
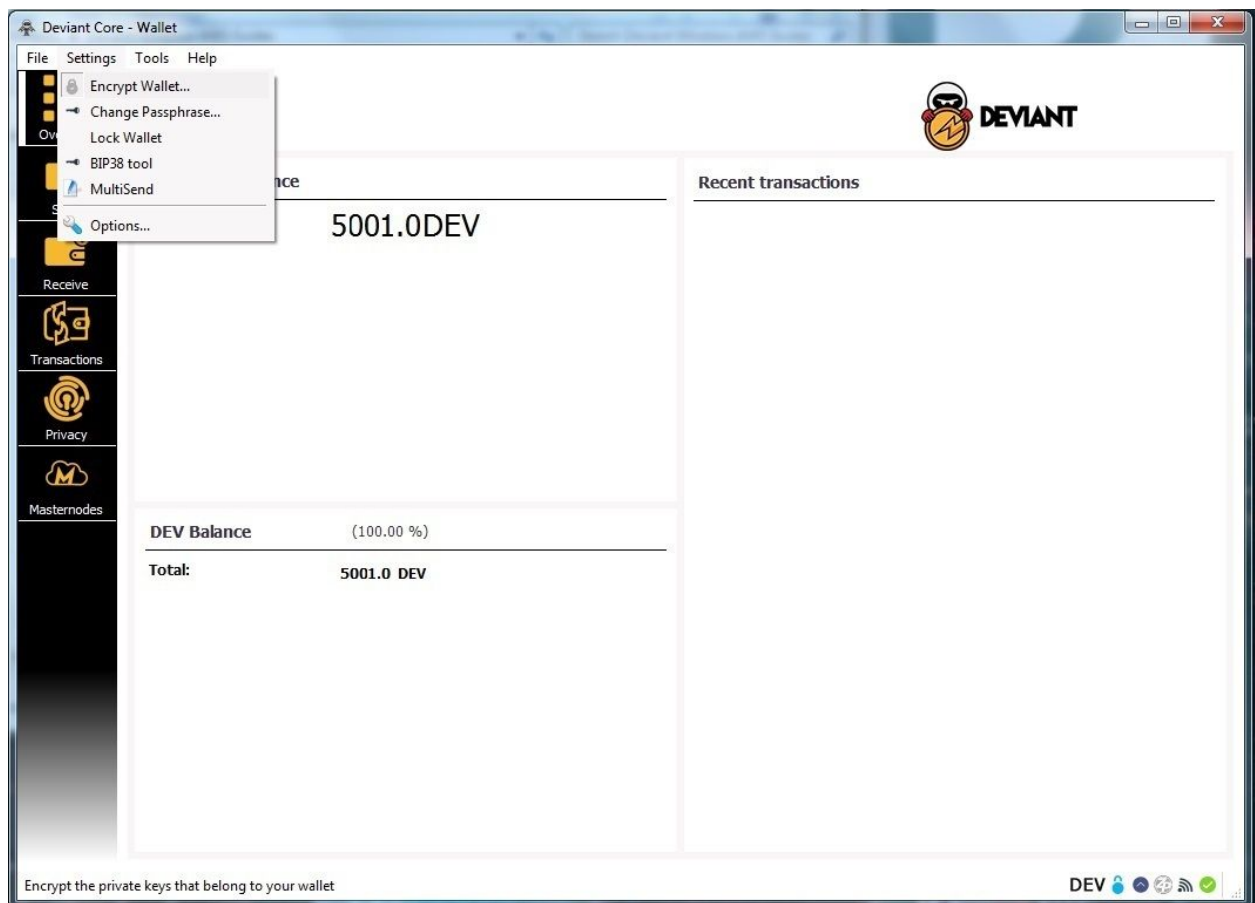
25. Then, open your wallet, hit the *Tools* tab, then *Open Wallet Configuration File* button, paste the Nodes in there, save and close it, and close your wallet.



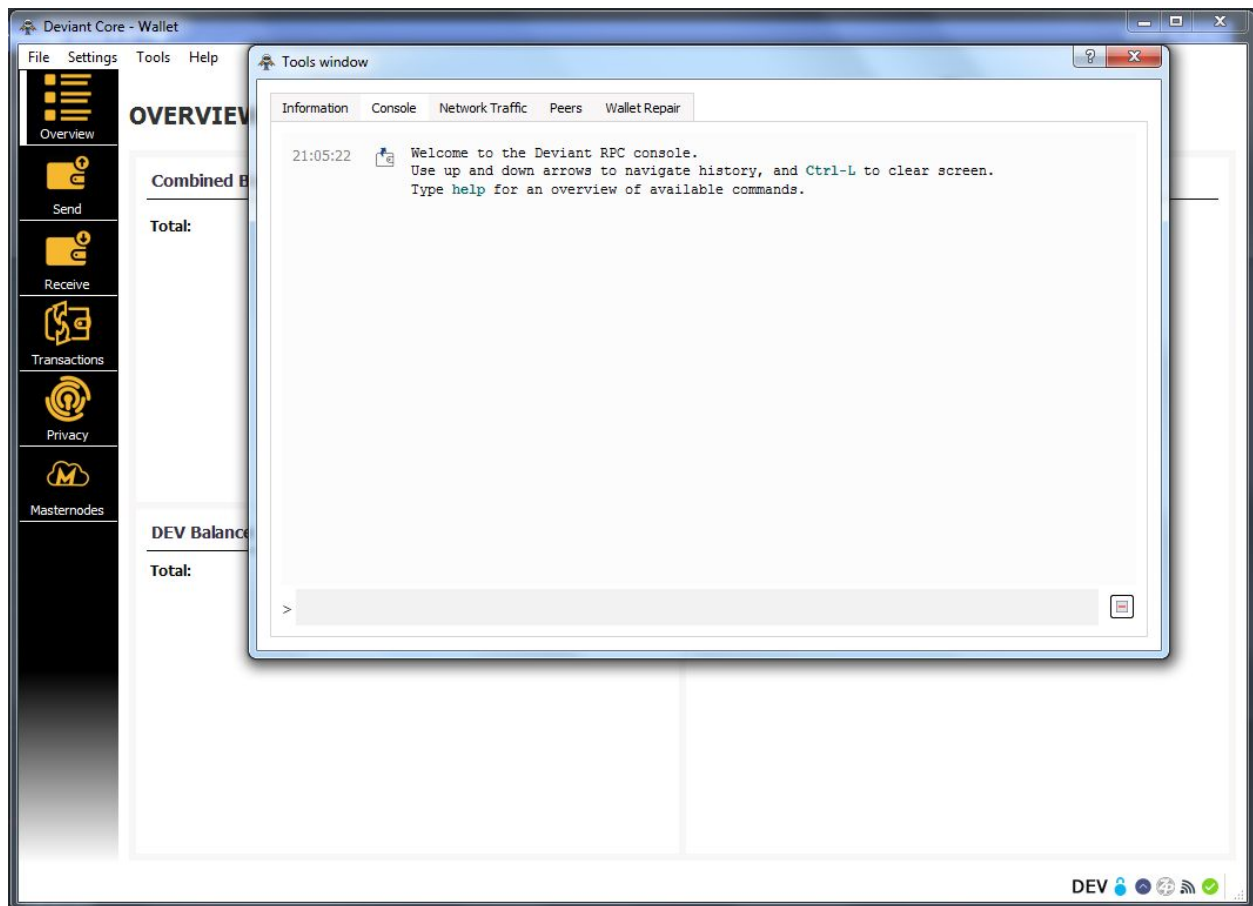
26. From the Windows search bar, search *Windows Firewall with Advanced Settings* then click on it.

27. Create **Inbound and Outbound** firewall rules to allow traffic through port **22618** by clicking *New Rule>Port>typing 22618 for Specific local ports>Allow the Connection>Next>Naming the rule, and clicking Finish*.

28. Open your wallet. While it syncs, click on *Settings, Encrypt wallet*, make a strong password, then close and restart the wallet.



Once the wallet is done syncing, click *Tools>Debug console* and the Console will come up.



Masternode Setup

29. In the command prompt, enter *getaccountaddress 0*. This address will now show up in the Receive tab and will be your designated MN address. You can rename it if desired or generate more till you get one you like, then proceed.

30. Then, type *sendtoaddress* <insert address from step 30> 5000. The fee should automatically be deducted from your extra DEV and a transaction hash will show up.

31. Type *masternode genkey* to obtain your private key. **Do not share this key with anyone. Be sure to keep it in a safe place. Anyone who retrieves it, gains or is given access to it may put your DEV in jeopardy. Stay vigilant.**

32. While waiting for the transaction to hit 15 confirmations, click on *Tools, Open Wallet Configuration File*, paste the following in there, then save and close the file.

```
masternode=1
masternodeprivkey=<paste your private key here>
rpcuser=user
rpcpassword=<create a password>
rpccallowip=127.0.0.1
daemon=1
server=1
listen=1
port=22618
rpcport=22617
printtoconsole=1
shrinkdebuglog=1
logtimestamps=1
```

33. Check to see that your transaction has at least 15 confirmations in the *Transactions* tab, then go back to the Debug console and type in the “masternode outputs” command. Your wallet and console should look like the images below.

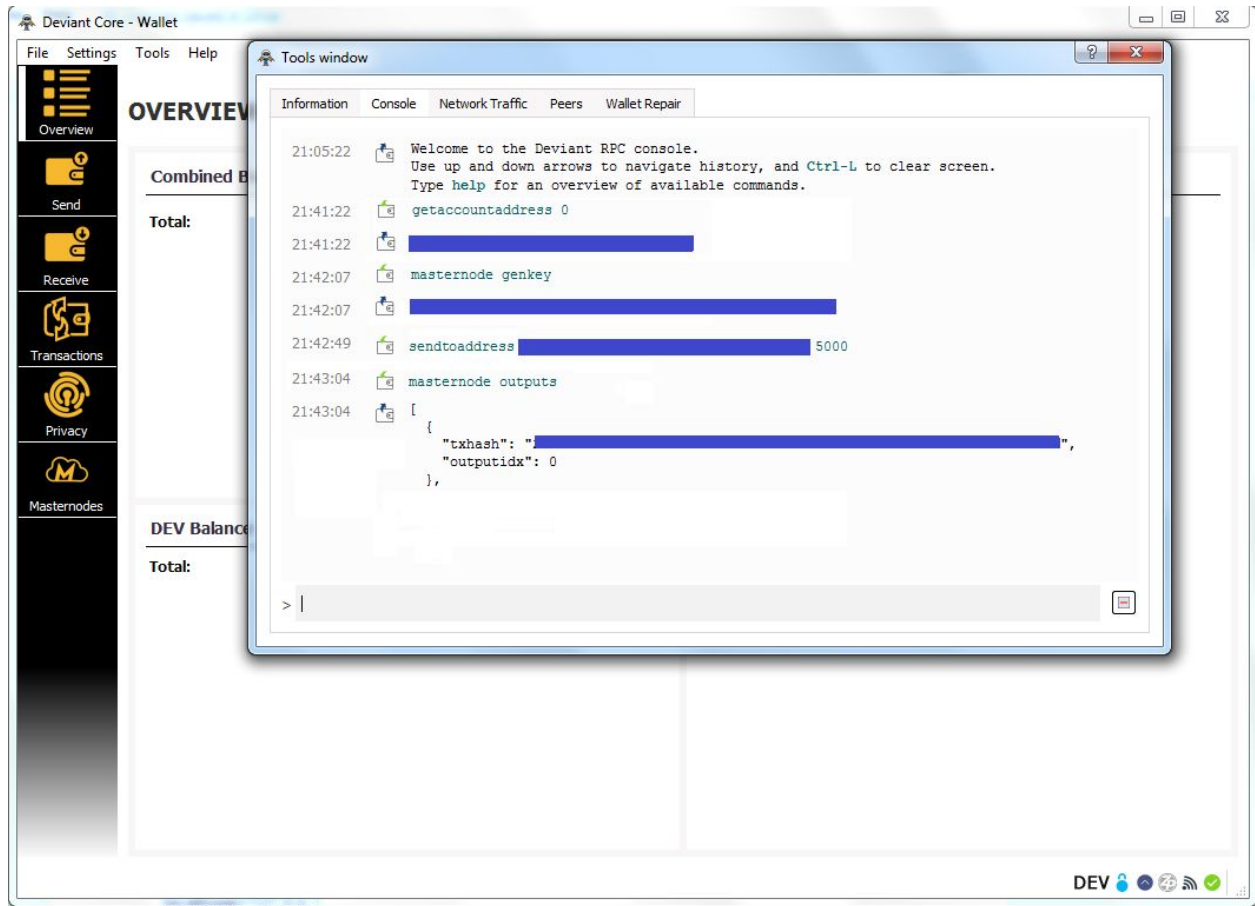
The screenshot shows the DEVIANT wallet interface. On the left is a sidebar with icons for Overview, Send, Receive, Transactions (selected), Privacy, and Masternodes. The main area is titled 'HISTORY' and features a search bar and a table of transactions. A single transaction is listed: '6/26/2018 21:18' for a 'Payment to yourself' to a specific address, with an amount of '-0.00010000'. A tooltip indicates 'Confirmed (15 confirmations)'. At the bottom, it shows 'Selected amount: -0.00010000 DEV' and an 'Export' button.

Date	Type	Address	Amount (DEV)
6/26/2018 21:18	Payment to yourself	[Redacted Address]	-0.00010000

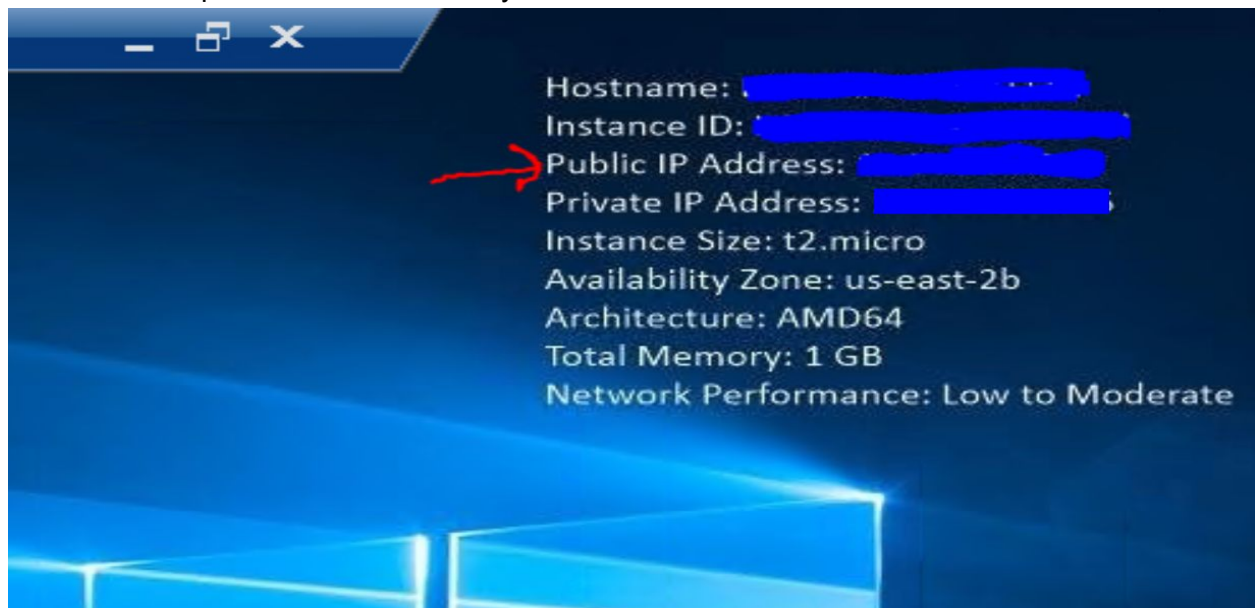
Confirmed (15 confirmations)
Payment to yourself

Selected amount: -0.00010000 DEV

Export

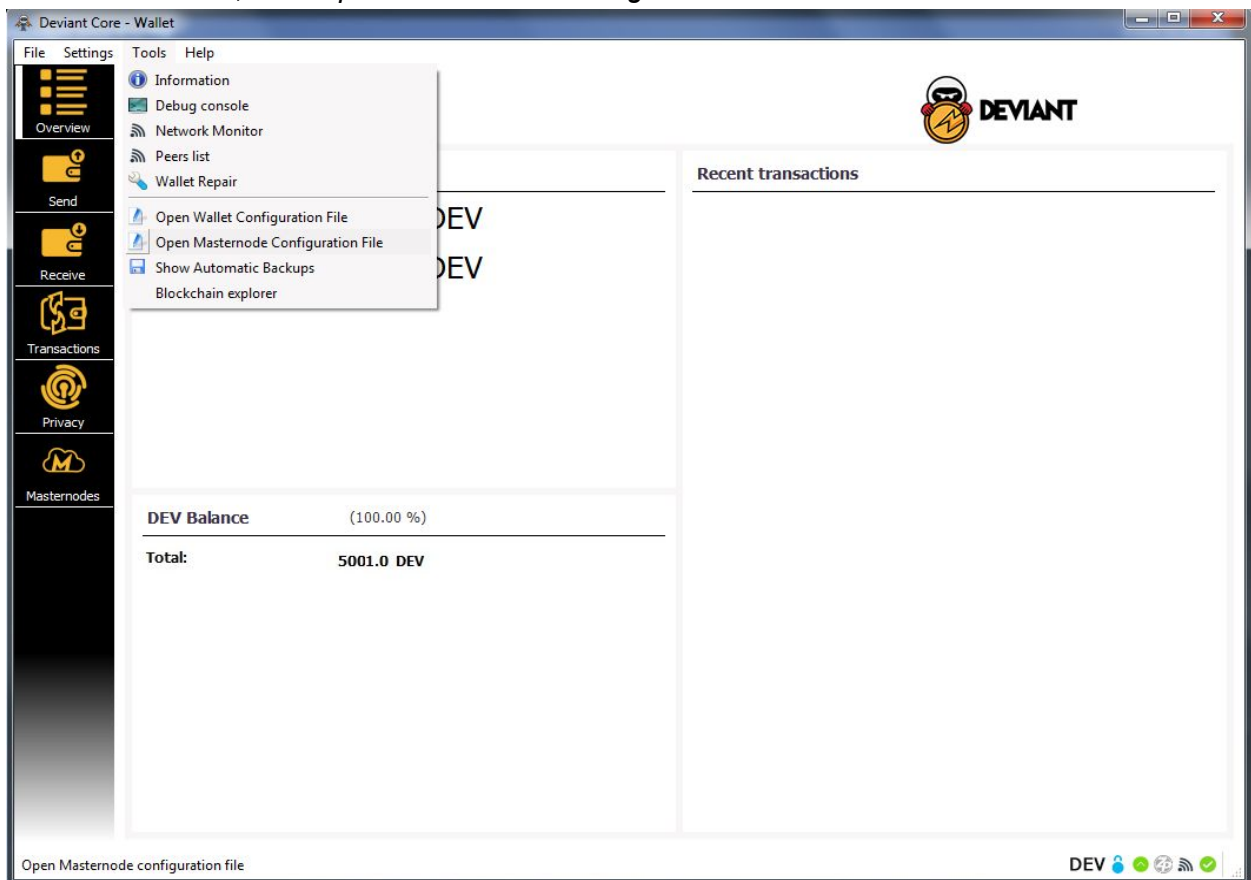


34. Extract the public IP address from your VPS.

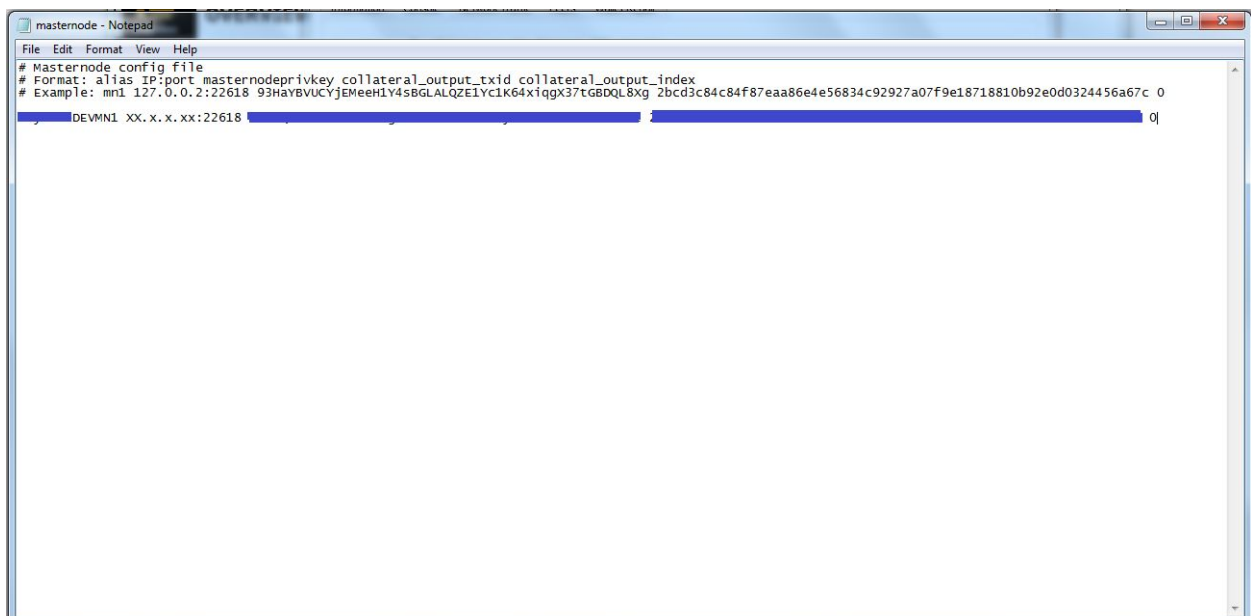


You should have everything needed to put together your Deviant Masternode now.

35. Click on *Tools*, then *Open Masternode Configuration File*.



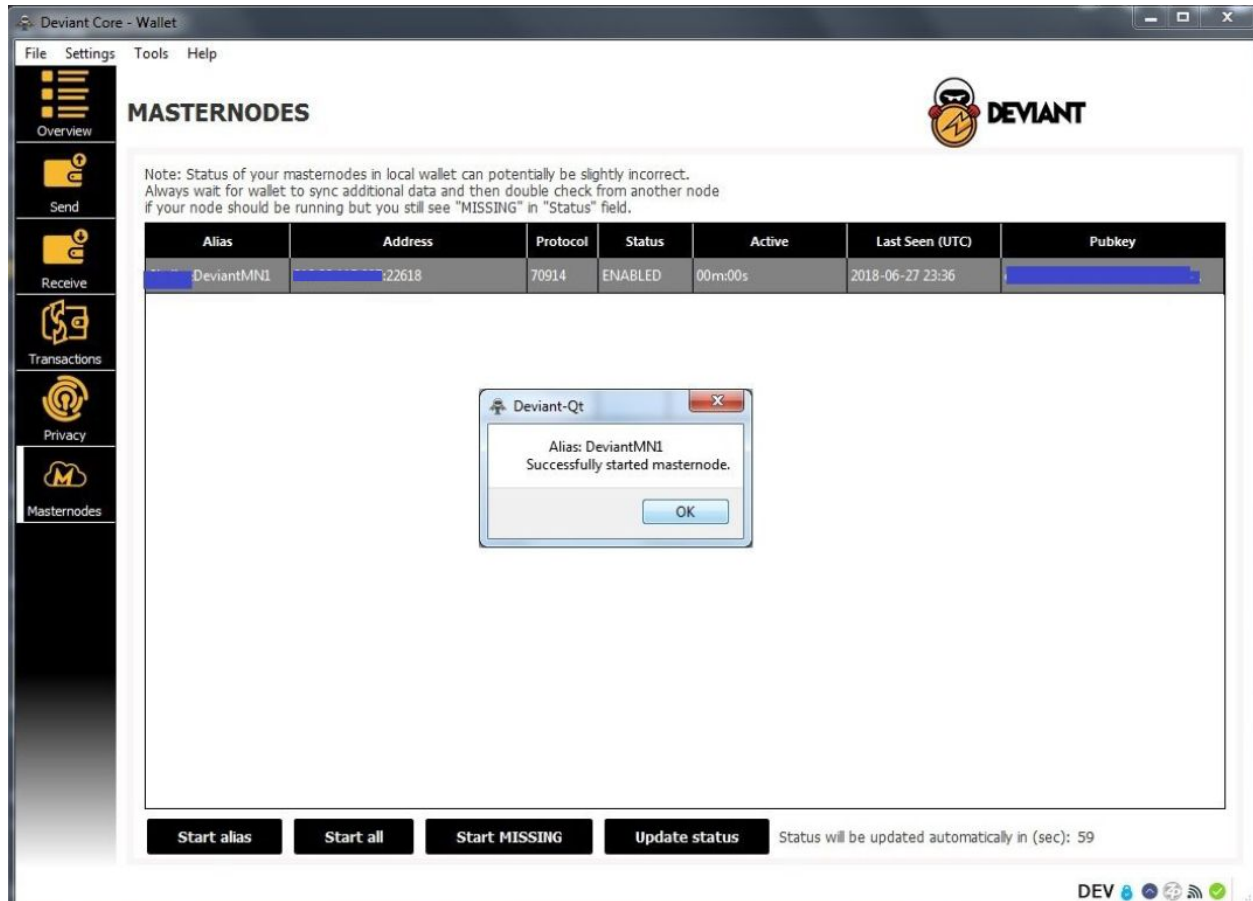
36. Enter in the information you've gathered from the debug console and the public IP address from the VPS in the format shown below (alias ip:port privatekey txid output), then save, and close the file.



37. Close and restart the Deviant wallet.

38. If your masternode.conf is configured correctly, you should see your MN show up in the *Masternodes* tab.

39. Unlock your wallet, click on your node then hit *Start Alias*, and it should start successfully. To be sure, check its status on the Masternode explorer.



If you found this guide helpful, a donation would be appreciated:

(DEV): dKD652g8kcmxWHb4E8o9WngKDjBD1kyt5h

(BTC): 1AcfK9us25migAj53AyRapieouUS1uTckG