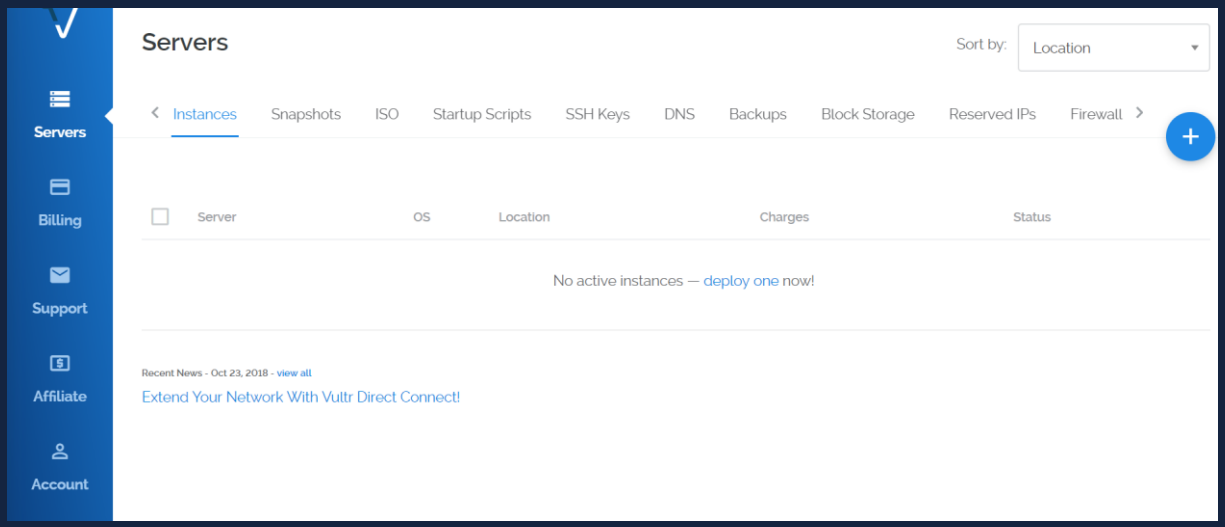
Masternode Setup in VPS server

In order to start up MasterNode and Sentinel, the user must possess at least 10000 PSC

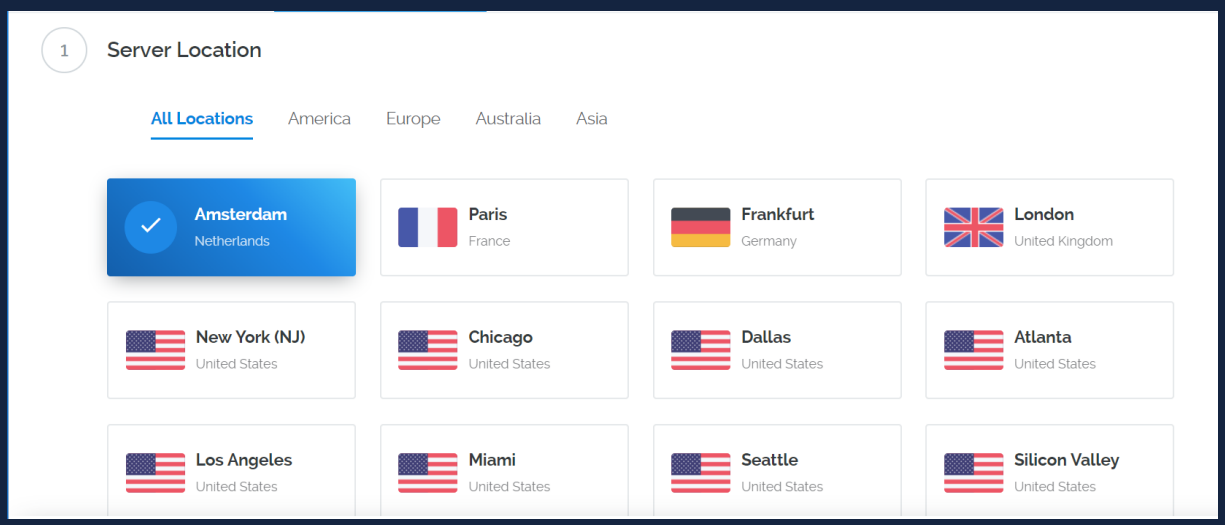
You can use any VPS Server (10 GB HDD/1 CPU/512MB Memory) or better. As an example, we will use Vultr.

1. Firstly, go to Vultr and create an account: https://www.vultr.com/?ref=7574637

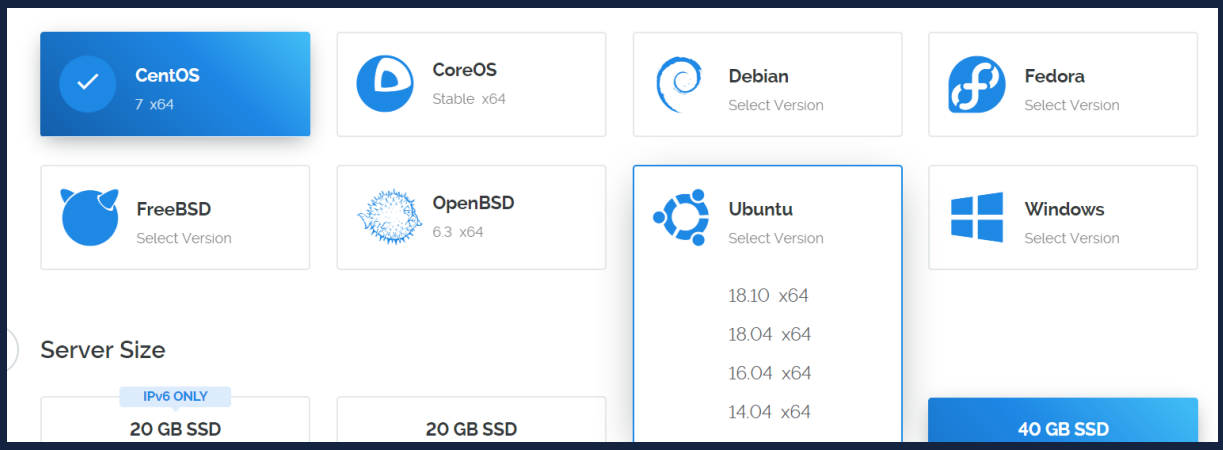
2. Click on the + to deploy new server.



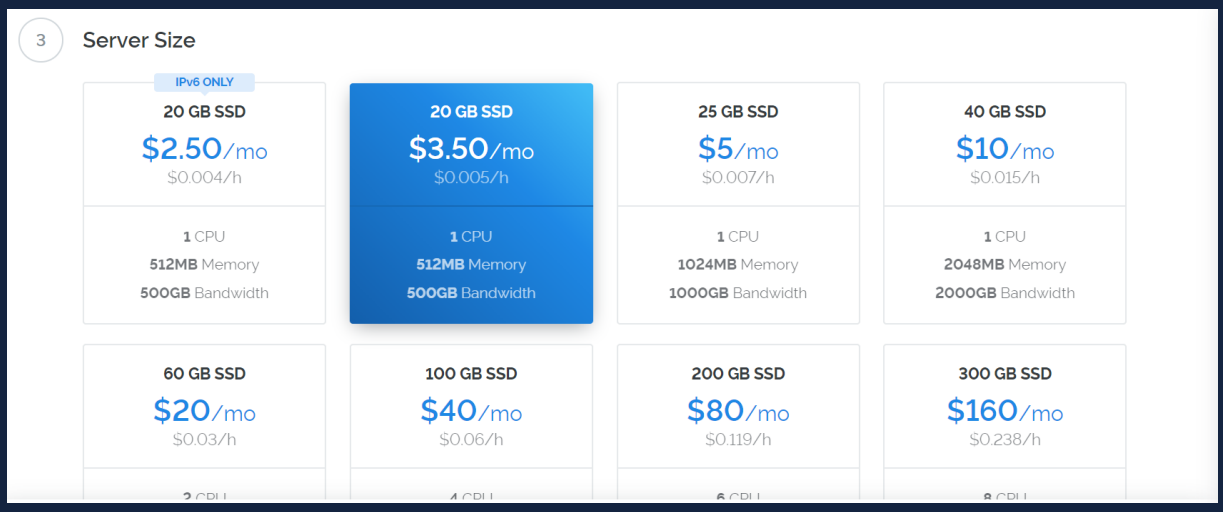
3. Indicate your "**Server Location**" by choosing the closest place to you.



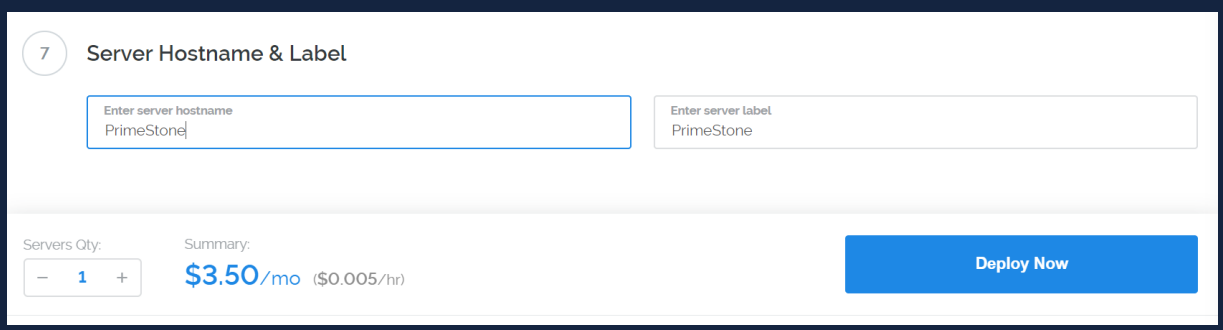
4. Choose "**Server Type**", then choose "**Ubuntu 16.04 X64 (recommended) or Ubuntu 18.04 X64**"



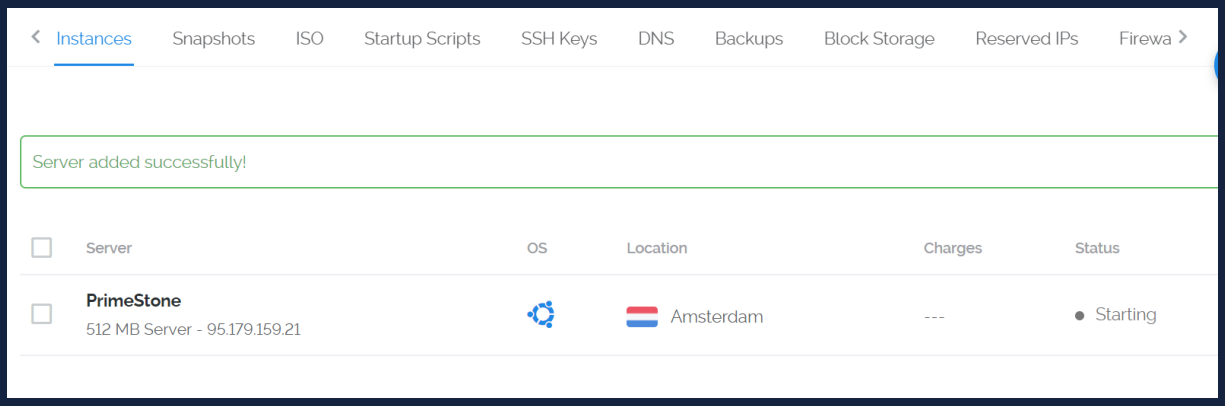
5. Choose "**Server Size**", usually the most basic size will do, choose "**20 GB SSD/1 CPU/512MB Memory/500GB Bandwidth**".



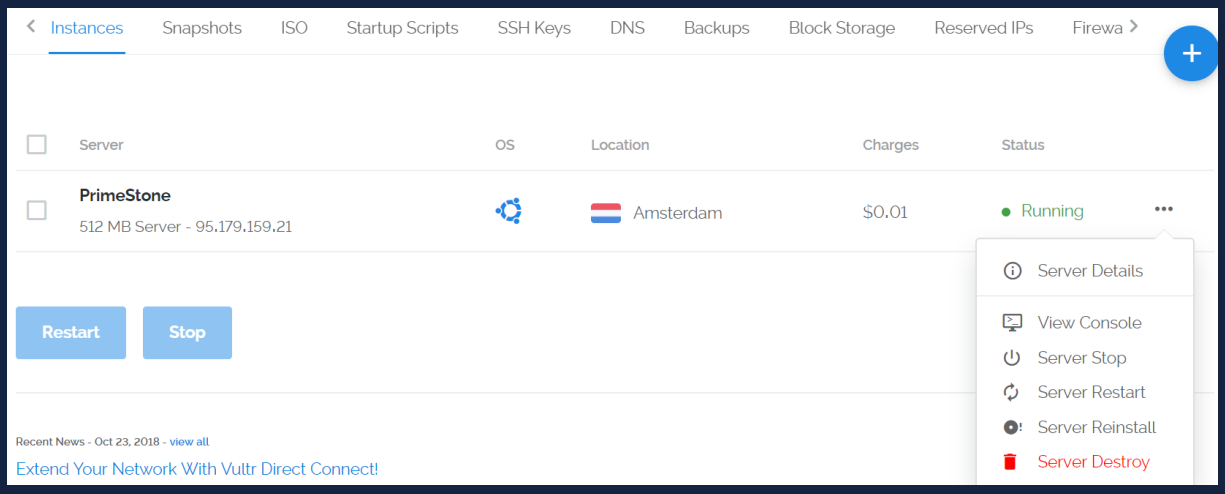
6. On "**Server Hostname & Label**", put the name you want for your VPS and click "**Deploy Now**".



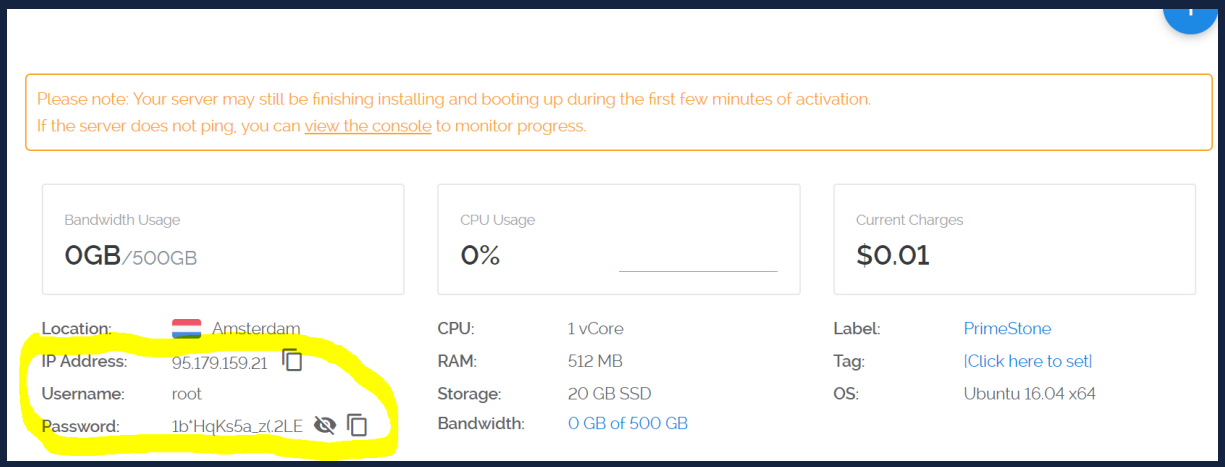
7. If everything is done properly, you should have such a window in front of you:



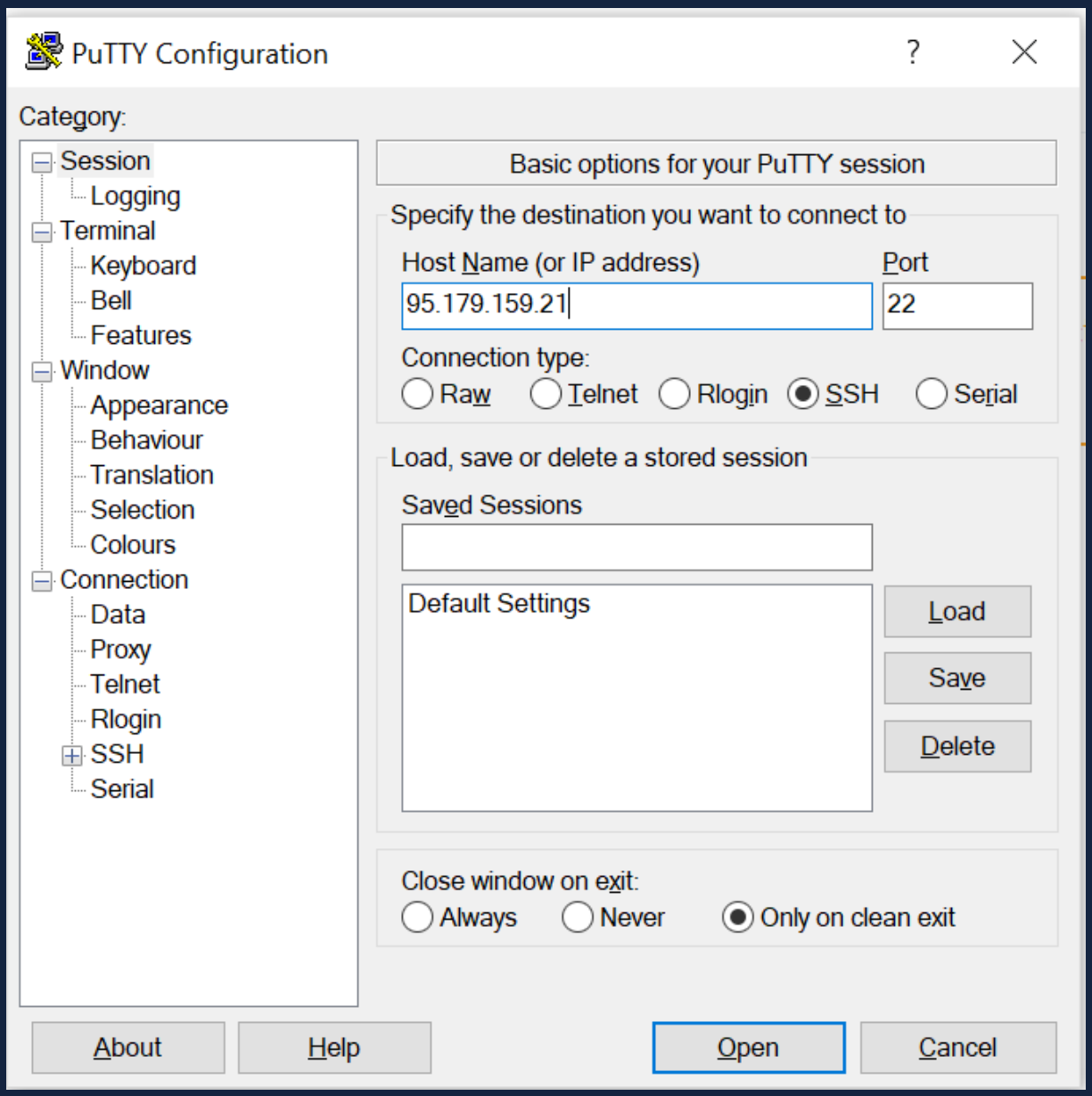
8. Click "**Server Details**"



9. Save the following data, you will need it later:

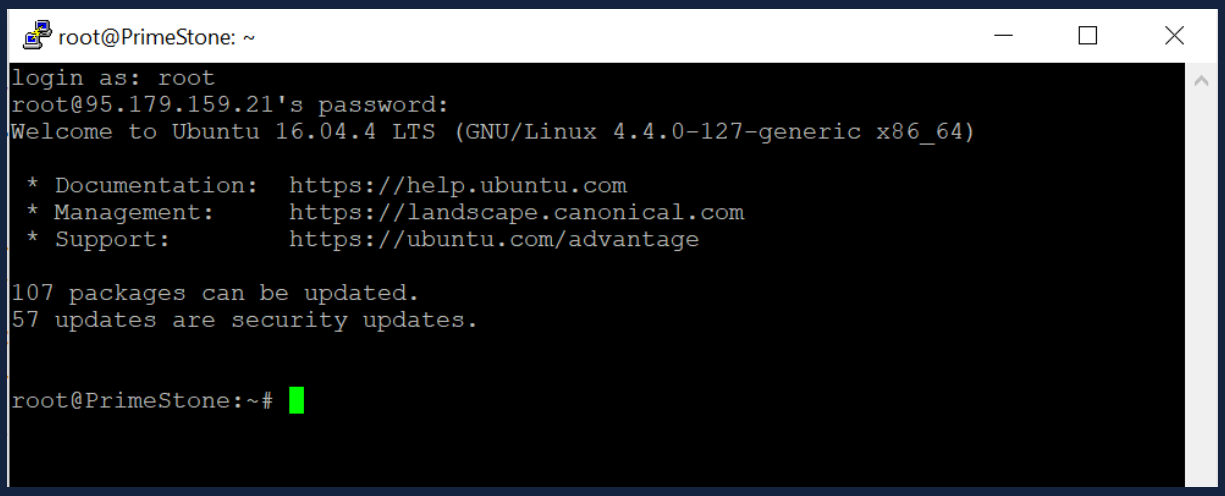


10. In order to connect to the server, make use of Putty (download: https://www.putty.org/). In the field "**Host Name**" you need to enter an IP address of a created server, then click **Open**.



11. To log in to the server, data from the point 9 need to be entered (in Ubuntu, while entering your password, nothing appears).

12. After the correct logging, such a window should appear:

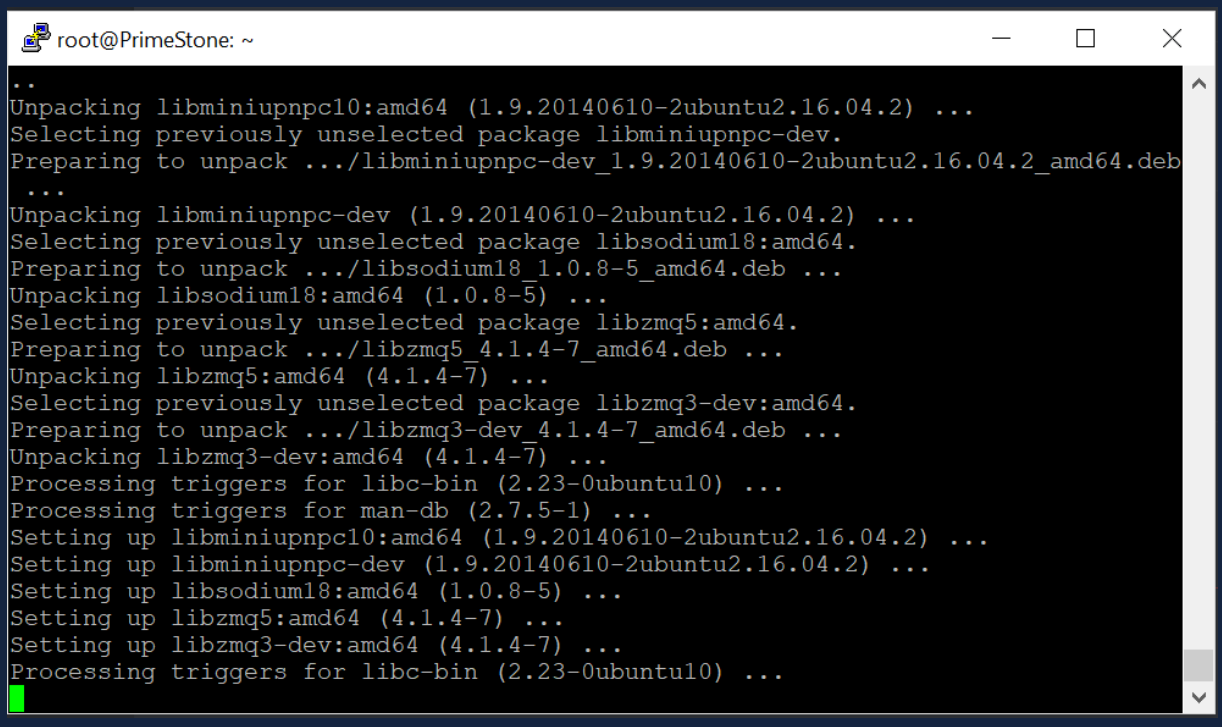


13. Paste the following command in the open window, then confirm with [Enter] key:
    For IPv4:
    apt-get update -y && cd ~/ && sudo apt-get install curl -y && bash <(curl -s http://scripts.primestone.global/prime_IPv4.sh) | tee ~/prime_masternode_installation.log

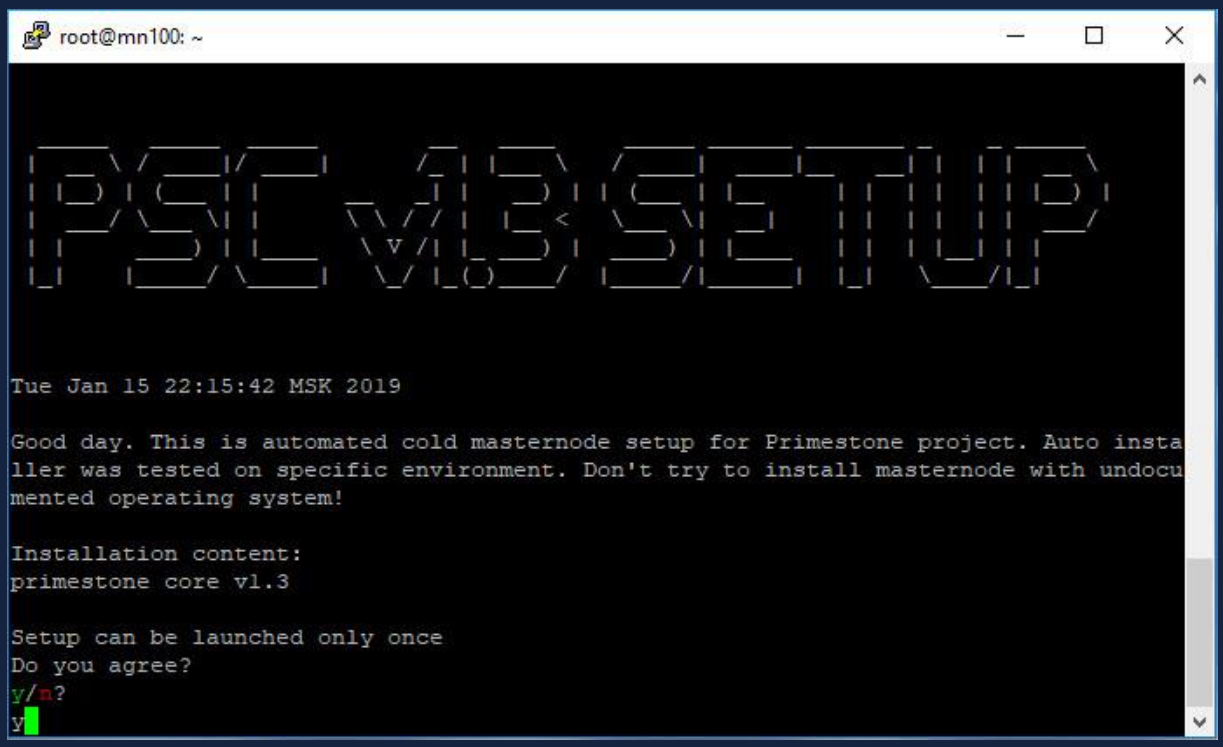
    For IPv6:
    apt-get update -y && cd ~/ && sudo apt-get install curl -y && bash <(curl -s http://scripts.primestone.global/prime_IPv6.sh) | tee ~/prime_masternode_installation.log

    ATTENTION! Some users have a problem with copying data from a PDF document opened in a browser. Download the document and open it with any PDF view EXCEPT your browser

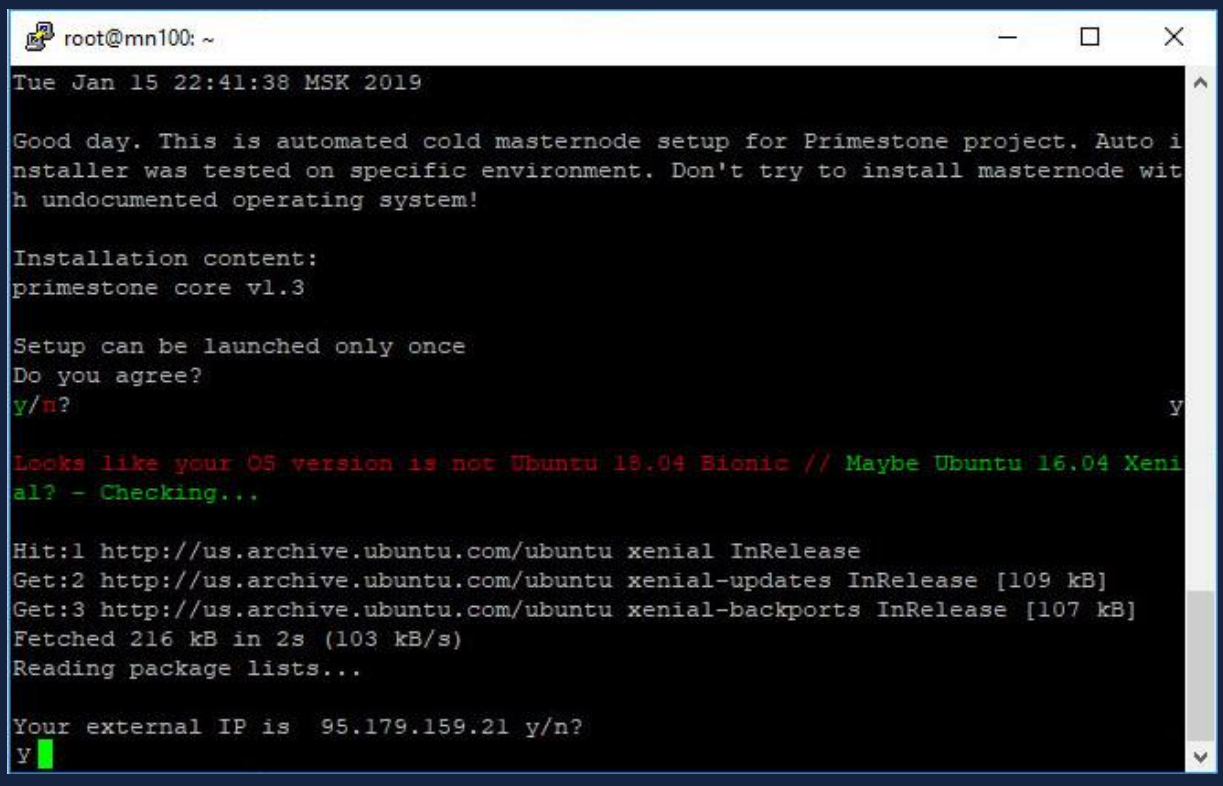
    The installation will start.



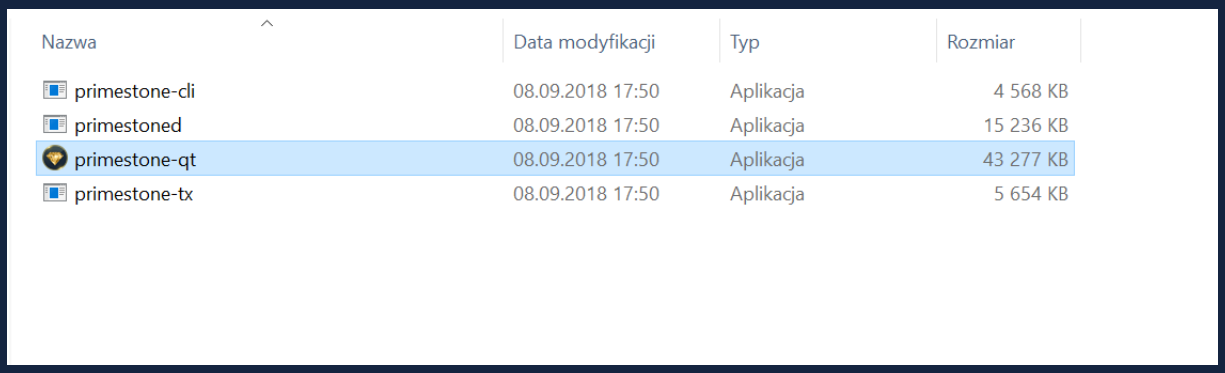
14. In the next step, you need to confirm that you are installing the PSC masternode to this VPS server for the first time. Press y and then confirm with [Enter] key.



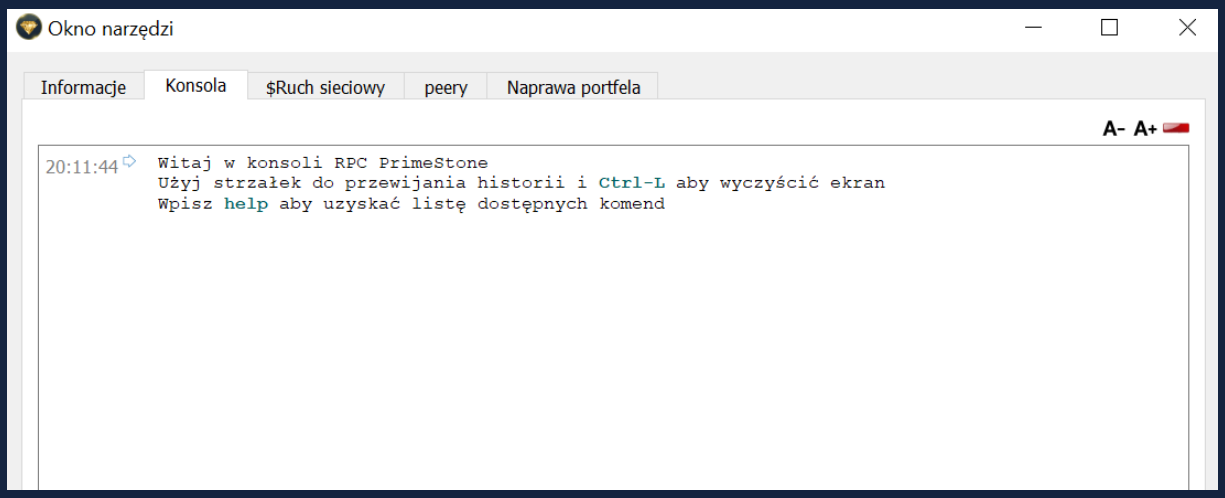
15. In the next step, you need check your VPS IP, if he is correct press y and then confirm with [Enter] key.



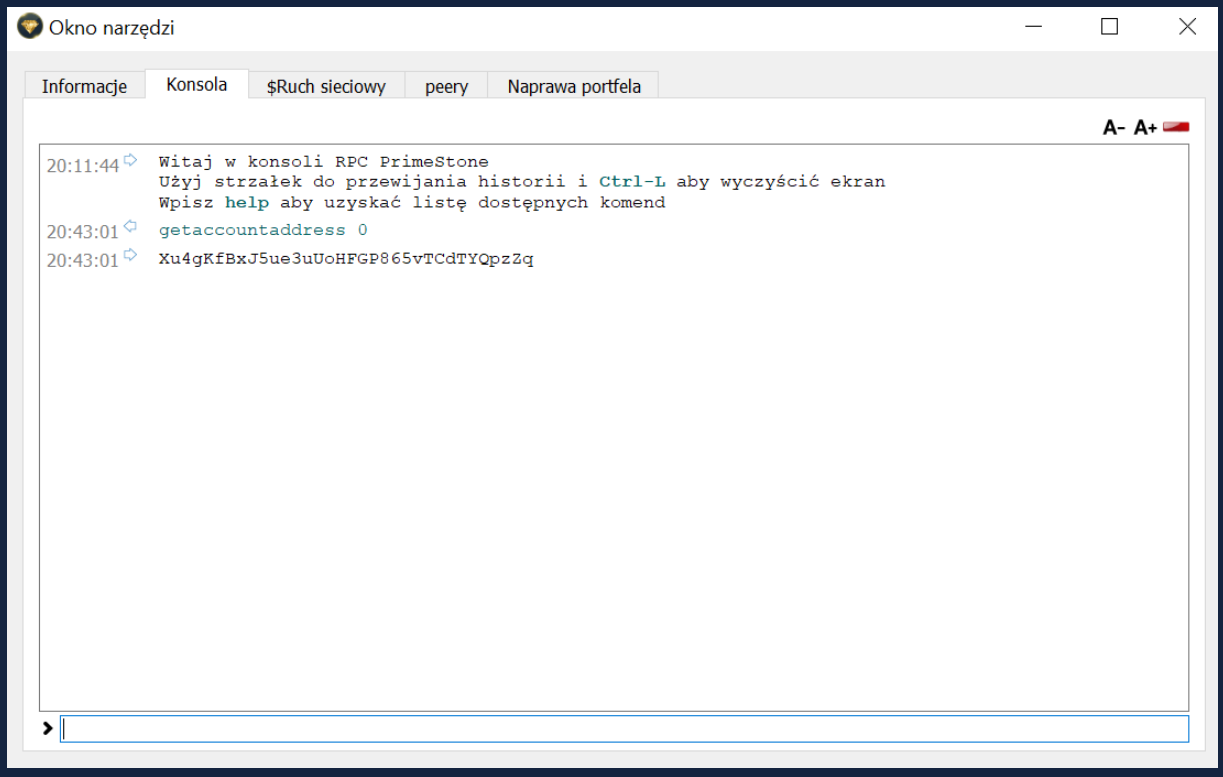
16. Now, we can move to MasterNode configuration. We must come back to our main computer and download a PrimeStone Wallet. Source: https://primestone.global/whitepaper-applications/ When this file is downloaded and unzipped launch **primestone-qt**



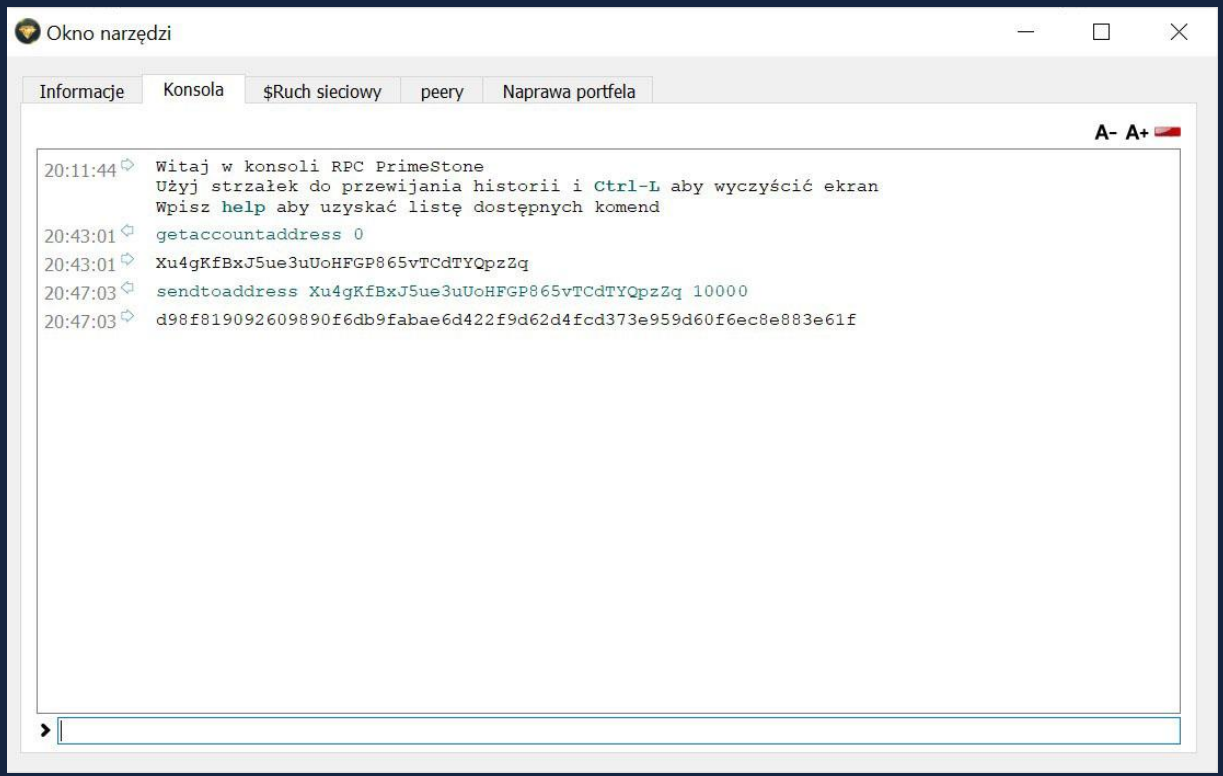
17. Run console, for this we choose Tools – Debug Console.



18. Enter **getaccountaddress 0.**

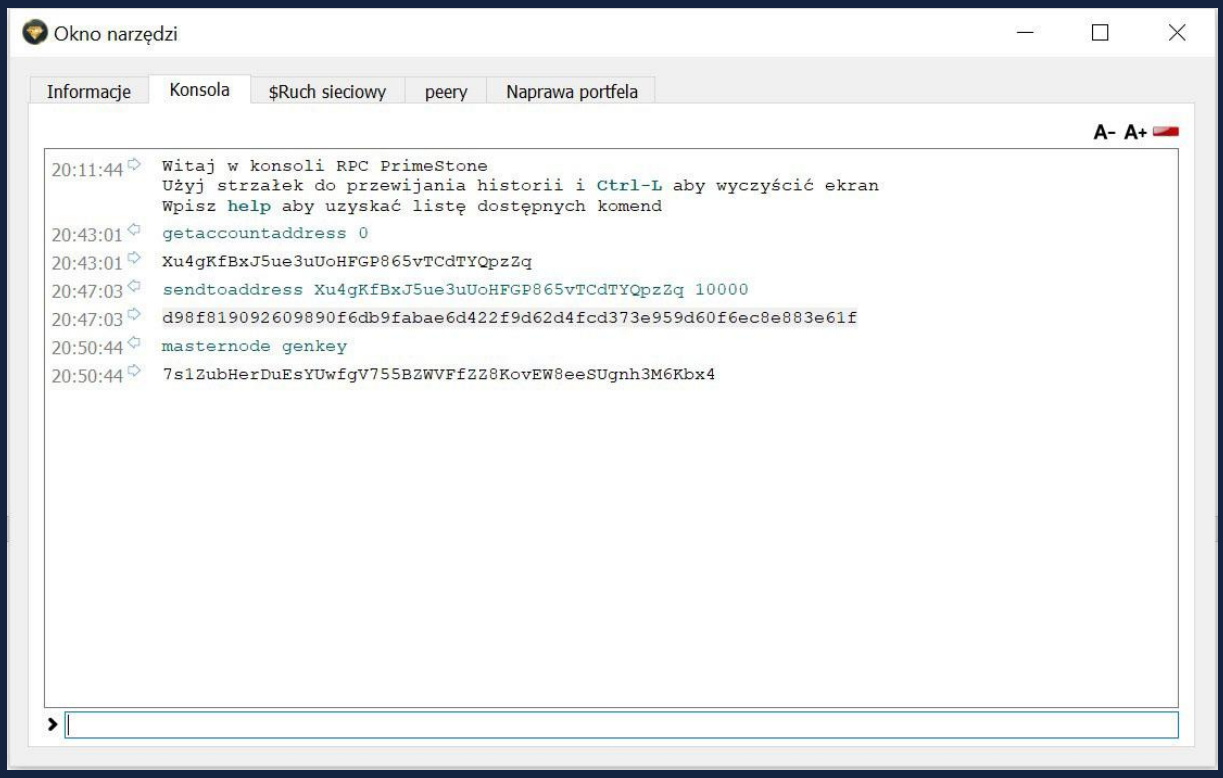


19. Then transfer 10000 PSC on the address from the point 18. For this enter the command: **sendtoaddress [Address from point 19] 10000**

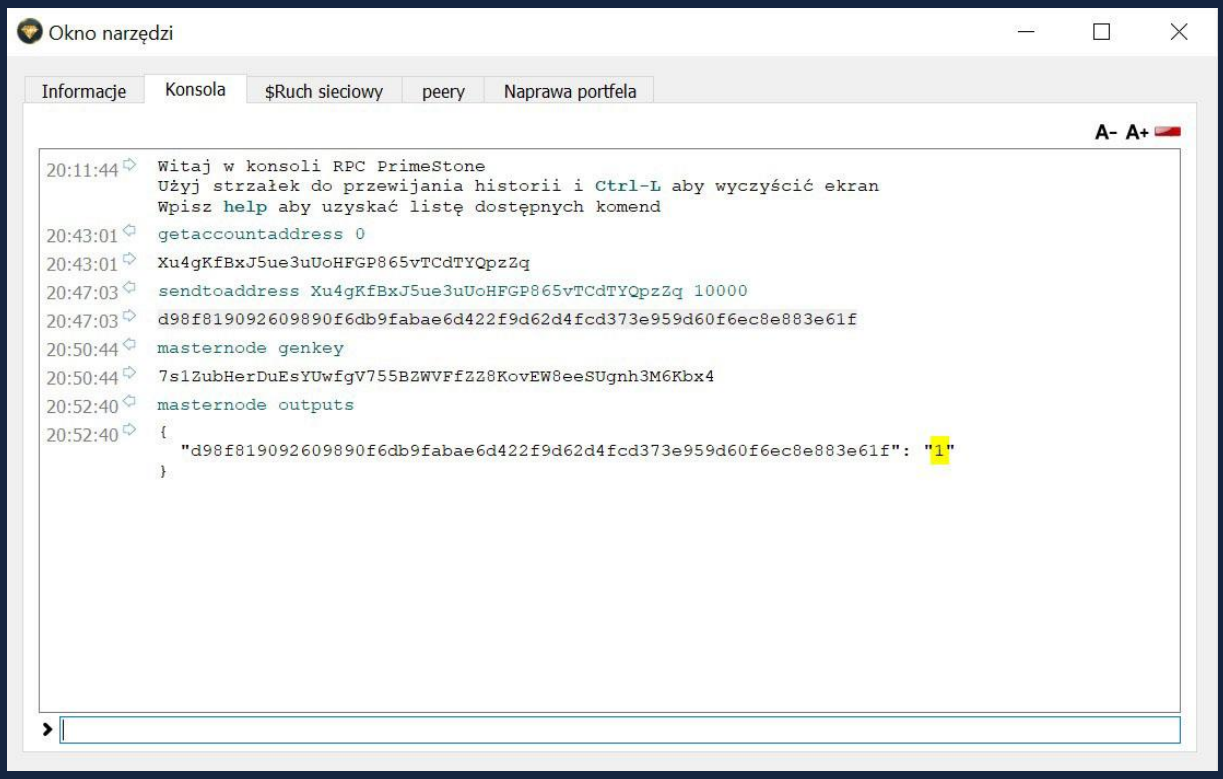


20. Save **TX** – that is viewed when the command (point 20) has been successfully accomplished. In our case it is: **d98f819092609890f6db9fabae6d422f9d62d4fcd373e959d60f6ec8e883e61f**

21. Then enter the command **masternode genkey** and save a generated key.



22. Then enter the command **masternode outputs** and save the number marked yellow:



23. Edit the file **masternode.conf**, for this click Tools – Open MasterNode Configuration File

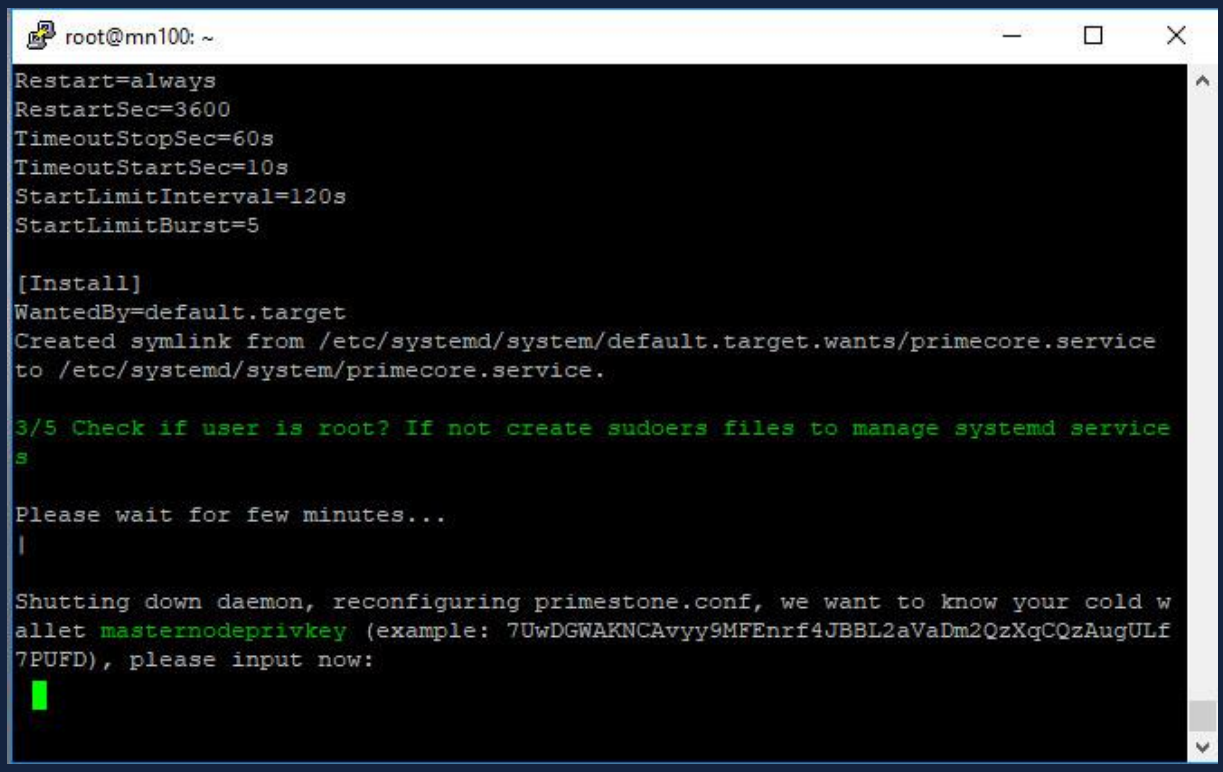
24. Enter the following text in the open file:
    [masternode_name] [vps_ip_address]:34124 [masternode_key(point 21)] [TX (point 20)] [output_index(point 22)

    In our case it looks like this:

25. Save the file and close the wallet.

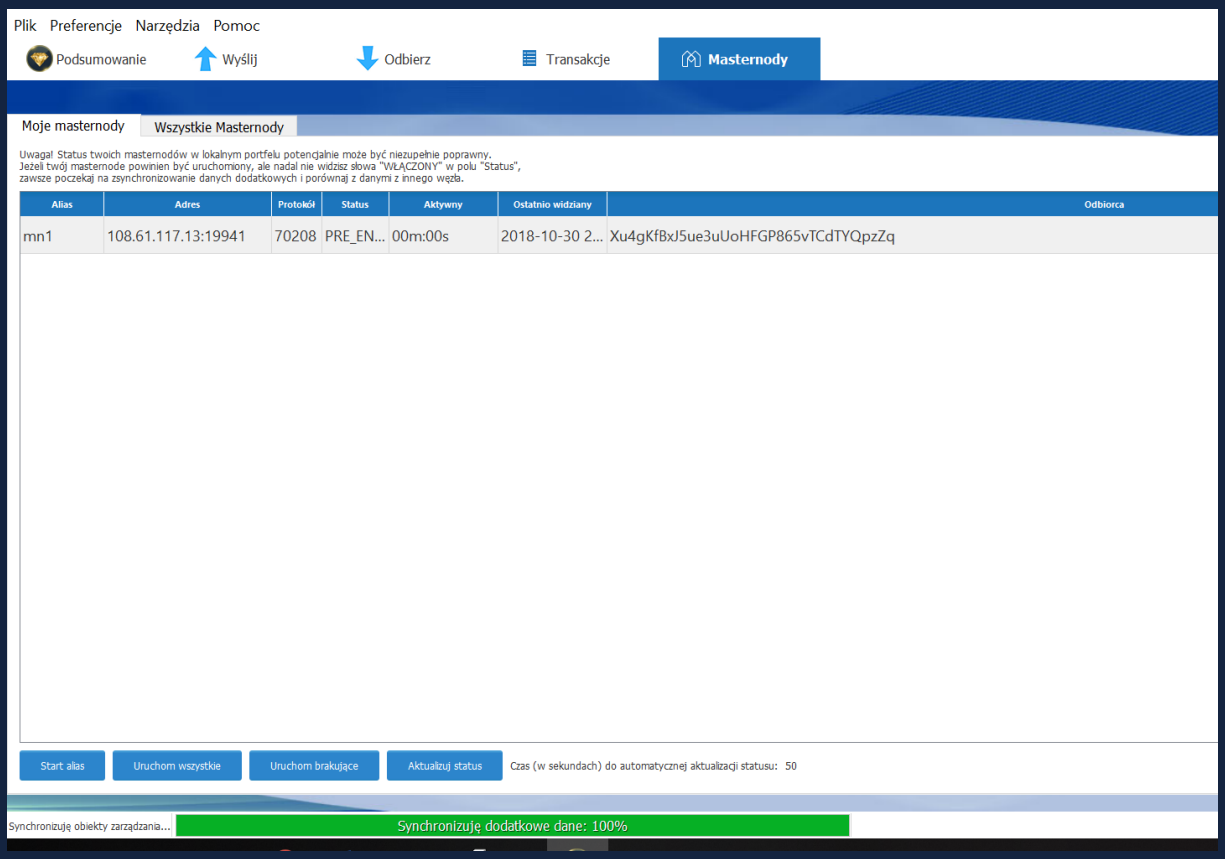
26. Come back to VPS. If the installation is complete you will see a request, paste *MASTERNODE KEY* (point 21) and then confirm with [Enter] key.

    In our case it looks like this:



27. After a few seconds, the script will complete the installation and display the basic information.

28. Start a wallet on your computer and move to the MasterNode Tab, and then click **start all**. Remember, to make it work the wallet must be synchronised with network.



29. After 15 minutes, open VPS window and check primestoned daemon. Command:

    primestone-cli masternode status

    If everything is done, you should have status: "Masternode successfully started"

CONGRATULATIONS! Your masternode is fully configured.

Necessary commands

primestone-cli masternode status

primestone-cli getinfo

primestone-cli getblockcount

primestone-cli mnsync status