

Farming BPX on Debian / Ubuntu

1. To start farming you need a working and synchronized full node. If you don't already have it, [follow all the steps of this tutorial first](#).

2. Login as root. Switch to BPX services user

```
su - bpxv3
```

3. Use this command to set farming rewards target address. Replace **0xAAAA...** with your correct wallet address.

```
bpx rpc beacon set_coinbase '{"coinbase": "0xAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA"}'
```

```
root@debian:~# su - bpxv3
bpxv3@debian:~$ bpx rpc beacon set_coinbase '{"coinbase": "0xaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
a"}'
{
  "success": true
}
bpxv3@debian:~$
```

4. Import key that was used to create your plots. Execute the following command and type 12 or 24 secret words. Press **Enter**. Add optional label for this key or just press **Enter** second time.

```
bpx keys add
```

```
bpxv3@debian:~$ bpx keys add
Enter the mnemonic you want to use: dolphin goddess maze snow whale flame hurry pact need online wag
e ankle hamster whisper extend regret degree alter daughter quality border
Enter the label you want to assign to this key (Press Enter to skip):
Added private key with public key fingerprint 153856986
bpxv3@debian:~$ _
```

5. Use the following command to add each folder where you have plots. Replace `/mnt/hdd1` with your path.

```
bpx plots add -d /mnt/hdd1
```

```
bpxv3@debian:~$ bpx plots add -d /mnt/hdd1
Successfully added: /mnt/hdd1
bpxv3@debian:~$ bpx plots add -d /mnt/hdd2
Successfully added: /mnt/hdd2
bpxv3@debian:~$ bpx plots add -d /mnt/hdd3
Successfully added: /mnt/hdd3
bpxv3@debian:~$ bpx plots add -d /mnt/hdd4
Successfully added: /mnt/hdd4
bpxv3@debian:~$ bpx plots add -d /mnt/hdd5
Successfully added: /mnt/hdd5
bpxv3@debian:~$ _
```

6. Press **Control + D** to log out and return to the root console.

7. Modify the beacon client service descriptor file using for example **nano** editor

```
nano /etc/systemd/system/bpx-beacon.service
```

Replace the line:

```
ExecStart=bpx start node
```

To:

```
ExecStart=bpx start node farmer
```

Save the file by pressing **Control + O** and close the editor with **Control + X**.

```
GNU nano 5.4 /etc/systemd/system/bpx-beacon.service *
[Unit]
Description=BPX Beacon Client

[Service]
Type=forking
User=bpxv3
ExecStart=bpx start node farmer
ExecStop=bpx stop -d all
Restart=always

[Install]
WantedBy=multi-user.target

[ Read 12 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location  M-U Undo
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line M-E Redo
```

8. Refresh startup services configuration

```
systemctl daemon-reload
```

9. Restart beacon client to run with the farmer enabled.

```
systemctl restart bpx-beacon
```

10. Your farmer is active and configured to automatically start on system boot. Use the commands below to check farming status.

```
su - bpxv3
bpx farm summary
```

Revision #5

Created 11 June 2023 10:20:01 by Admin

Updated 11 June 2023 10:51:01 by Admin