

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": "0xAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA"}'
```

```
root@debian:~# su - bpxv3
bpxv3@debian:~$ bpx rpc beacon set_coinbase '{"coinbase": "0xaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"}'
{
  "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 wagon
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
```

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