

# Farming BPX on Debian / Ubuntu

1. To start farming BPX, you need a fully synchronized full node. If you don't have one, [follow all the steps of this tutorial](#).

2. Log in as the BPX Chain services user, or switch to this account from the root console with the following command:

```
su - bpxchain
```

3. Set the wallet address where you want to receive block rewards. Replace `0xAAAAA...` with for instance, your MetaMask address.

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

```
root@debian:~# su - bpxchain
bpxchain@debian:~$ bpx rpc beacon set_coinbase '{"coinbase": "0x4e21Fc7f8Ca298Be4af7C0a2D08dEE003F23230D"}'
{
  "success": true
}
bpxchain@debian:~$
```

4. Import the key that was used to create your plots. Run the following command and enter the 12 or 24 secret words. You can add an optional label for this key, or simply press **Enter** to skip.

```
bpx keys add
```

```
bpxchain@debian:~$ bpx keys add
Enter the mnemonic you want to use: easily manage flight dial enough crew erupt brush myth lawsuit lunch u
pset digital else innocent day lion battle hammer special make agree ignore poet
Enter the label you want to assign to this key (Press Enter to skip):
Added private key with public key fingerprint 694534655
bpxchain@debian:~$
```

5. Use the following command to add all folders with your plots. Replace `/mnt/hdd1` with the actual path.

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

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

6. Return to the **root** console. Modify the Beacon Client service configuration using any text editor, for example **nano**:

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

Replace the line:

```
ExecStart=bpx start beacon
```

With:

```
ExecStart=bpx start beacon farmer
```

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

```
GNU nano 7.2 /etc/systemd/system/bpx-beacon.service *
[Unit]
Description=BPX Beacon Client

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

[Install]
WantedBy=multi-user.target

```

^G Help    ^O Write Out    ^W Where Is    ^K Cut    ^T Execute    ^C Location    M-U Undo  
^X Exit    ^R Read File    ^\ Replace    ^U Paste    ^J Justify    ^/ Go To Line    M-E Redo

7. Reload the system services configuration.

```
systemctl daemon-reload
```

8. Restart the Beacon Client with the farmer process enabled.

```
systemctl restart bpx-beacon
```

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

```
su - bpxchain
bpx farm summary
```