



essentia.one

Essentia Staking Guide

DRAFT

02.03.2020

Version 1.0

In this document, you will find a detailed step-by-step guide on how to start Staking on the Essentia Blockchain. Please follow the instructions closely to ensure the process goes smoothly.

- 1 In order to start staking, the first step for you will be to set up the Essentia native node as described in [this guide](#).

```
git clone https://github.com/essentiaone/essx
```

Or you can do that via Docker (which is a more preferable way and working for most platforms):

- install Docker: <https://docs.docker.com/install/>
- install ESS node (via command line):

```
docker run --name essnode -d -p 8080:8080 -p 41312:41312 -p 41313:41313  
deveess/essd:latest
```

NOTE: if you installed your node via Docker you can do a node commands it using this prefix in additional to all commands (without space at the end):

```
docker exec -it essnode ./
```

This way, to check your wallet info from the node in the Docker container the resulting command will be:

```
docker exec -it essnode ./ess-cli getwalletinfo
```

- 2 Then, moving on to the Staking itself. Please check if you have a required sum of ESS coins (at least 10000 coins).

- 2a If you already have an address with coins in it, you can import the private key using this syntax:

```
ess-cli importprivkey "private key"
```

3 Encrypt your wallet:

```
ess-cli encryptwallet custompassphrase
```

3a Restart your node:

```
essd
```

If using docker:

```
docker start essnode
```

4 Make a backup of your node wallet.

- if you have a node without docker you have to copy the wallet file in your home dir in

```
.ess folder "wallet.dat" (usual path is: ~/.ess/wallet.dat).
```

- If you are using docker:

```
docker cp essnode:/root/.ess/wallet.dat .
```

5 To enable staking you need to have all these conditions as 'true':

- the chain must have active connections, can be verified using the command:

```
ess-cli getconnectioncount
```

- the chain must be synced, not imported or reindexed, can be verified using the command:

```
ess-cli mnsync status
```

- the wallet must be unlocked for staking:

```
ess-cli walletpassphrase custompassphrase 99999999 true
```

- mintable coins (coins must have at least 101 confirmation).

6 Staking status can be checked using the command:

```
ess-cli getstakingstatus
```

Staking is enabled when all values are true:

```
{
  "validtime" : true,
  "haveconnections" : true,
  "walletunlocked" : true,
  "mintablecoins" : true,
  "enoughcoins" : true,
  "mnsync" : true,
  "staking status" : true
}
```

7 Staking can sometimes take up to 30 minutes to start working even after all the conditions marked true.

7a If all conditions are true but staking is not working for hours after you have initiated it, restart the wallet and unlock it.

NOTE: If you have followed all the instructions and an issue occurred anyway, please send us a message to our [Official Telegram channel](#) or support@essentia.one.