

Get Started With Burstcoin Mining in Pool on Linux

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Hey! Welcome to pool.burstcoin.ro!

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1. Requirements

- You must have installed **java** 7 or newer

Check if your java version is equal/greater than 1.7.0 with command
java -version
if it is not you must install it!

Install java jdk 7/8 (Ubuntu)

```
sudo apt-get update
sudo apt-get install openjdk-7-jre
or
sudo apt-get install openjdk-8-jre
```

Install java jdk 7 /8(Arch)

```
sudo pacman -Syu
sudo pacman -S jre7-openjdk
or
sudo pacman -S jre8-openjdk
```

- You need **build tools**

Install build tools (Ubuntu)

```
sudo apt-get update  
sudo apt-get install build-essential
```

Install build tools (Arch)

no need.. you already installed them! ;)
but... just in case!

```
sudo pacman -Syu  
sudo pacman -S base-devel
```

- A decompress tool (like unzip)

Install unzip decompress tool (Ubuntu)

```
sudo apt-get update  
sudo apt-get install unzip
```

Install unzip decompress tool (Arch)

```
sudo pacman -Syu  
sudo pacman -S unzip
```

- A web browser like chrome, firefox, etc.

2. Burstcoin Wallet

You need a wallet to track and manage your burstcoin account. You have two options:

- Use the online [pool.burstcoin.ro wallet](http://pool.burstcoin.ro/wallet) – you need no downloads or installations to use online wallet.
- Download and install local wallet on your pc.

For the second option, download the local wallet from [here](#) and if you need more information about it read this page [here](#).

After download decompress (unzip) the zipped wallet file with your preferred tool.

unzip file.zip -d destination_folder

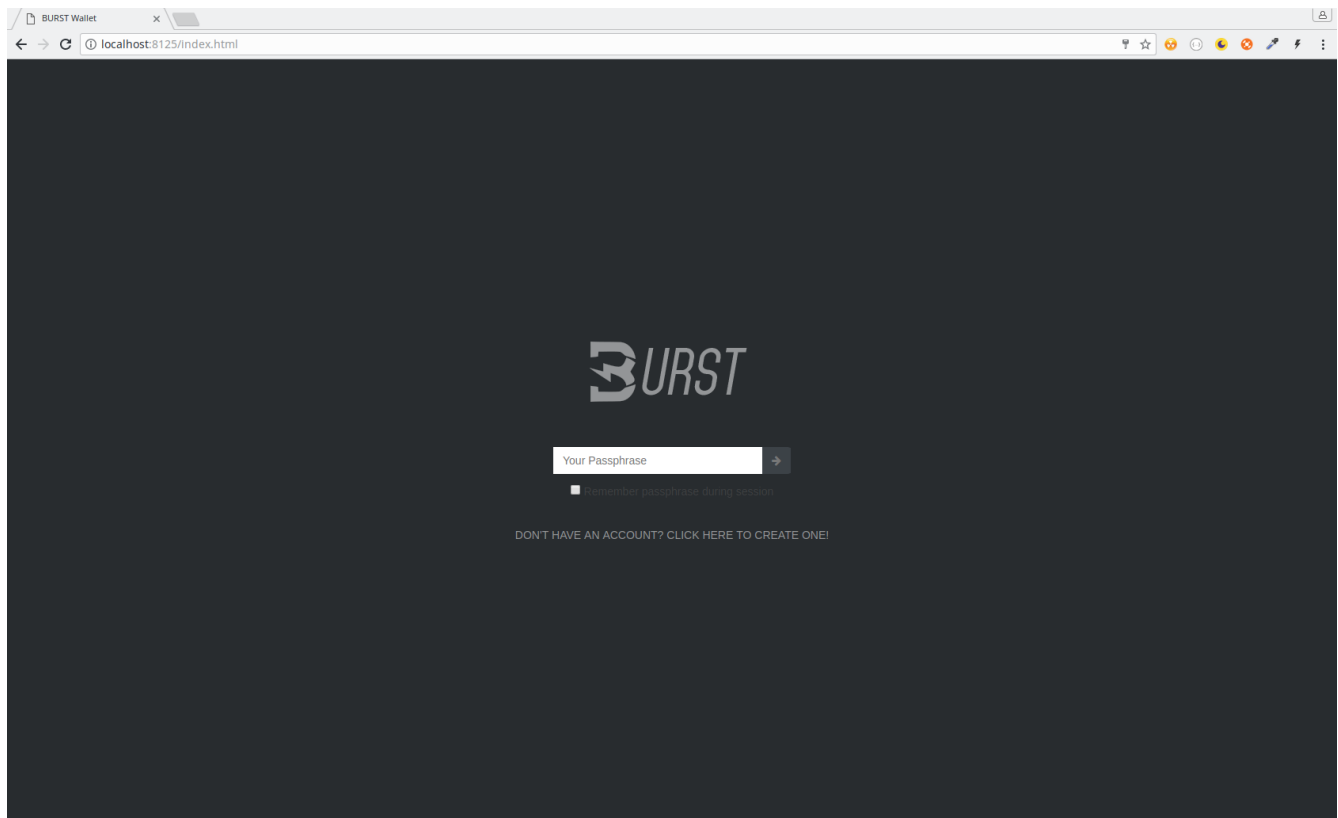
After decompressing – extracting finished click on the script file “run.sh” in wallet folder or in your terminal type the command

./run.sh

go to your favorite web browser and open the following address:

<http://localhost:8125/index.html>

If all went well, you will see the following page.



This is your login page for your local wallet.

3. Burstcoin Account

If you have a Burstcoin account skip this chapter.

On the logging page click on link **“DON'T HAVE AN ACCOUNT? CLICK HERE TO CREATE ONE!”**. Will generate for you a long password (passphrase) which contains a long random sentence.

!!!!YOU MUST SAVE THIS PASSPHRASE IN A SAFE PLACE!!!!

If you want a default passphrase click on **“NEXT”** or if you want your own click **“Want to choose your own passphrase? Click here”**.

After that needs to re-enter your passphrase and you will enter into your purse/manage area!

You must wait until the blockchain downloaded completely (in my case took me 14 hours!!). A message will be there in green **“The blockchain is currently downloading. Please wait until it is up to date.”**.

On top left you will see your Burst address for your account, and looks like BURST-XXXX-XXXX-XXXX-XXXX. **This is your main ID.**

If you click on your Burst Address you will to options to copy it or copy your numeric address.

!!!!YOU MUST NOTE SOMEWHERE THOSE 2 ADDRESSES!!!!

Now to start you need to send a couple of bursts to your account. Don't worry this faucet below is here to save you, which will give you a few coins to start:

<http://burstcoin.biz/faucet>

After a few moments you will receive in your account some bursts.

Now, you need to spend 1 burst to set your Wallet's name. On top left of the page you will see **“No Name Set”** (This is your wallet's name). Click on this and change the name with what ever you want. Will charge you with 1 burst.

Your account and wallet is ready!

4. GPU/CPU Plot Generator

Before you start mining you need to plotting your hdd(s).

There is two options:

- GPU Plotting
- CPU Plotting

For CPU plotting we are going to use [mdcct](https://github.com/Mirkic7/mdcct) program.

Go to your preferred folder for mdcct installation and type command

git clone <https://github.com/Mirkic7/mdcct>.git

go in mdcct folder and type

make

your plotter is ready!

You must have already an empty HDD. Format it with ext4 format and create a folder inside for the plot files.

Use the command

./plot -k yourNumericAddress -x 0 -d /path/to/your/plots -s startnonce -n nonces -m staggersize -t threads -a

startnonce: From which numbered nonce do you want to start

nonces: How many nonces do you want to have in this plot file

staggersize: recommended 4096 for <8GB RAM

threads: How many threads you want to use from CPU

For example creating 100GB:

for my 1st plot file startnonce will be 0

every nonce is 256KB means for 100GB the nonces will be 409600 (100GB => 102400MB => 104857600KB / 256KB => 409600 nonces)

I will use 2 threads(cores)

so for my address the command will be

./plot -k 10028057909371304127 -x 0 -d /run/media/billos/burstcoin/plots -s 0 -n 409600 -m 4096 -t 2 -a

this process needs a lot of time (~20Hours) and will create a plot file of 100GB size.

For the second plot file we use the same command except the startnonce. The new startnonce must be the old one plus the nonces plus one, means $0 + 409600 + 1 = 409601$.

The command for 2nd plot will be:

./plot -k 10028057909371304127 -x 0 -d /run/media/billos/burstcoin/plots -s 409601 -n 409600 -m 4096 -t 2 -a

for the 3rd the startnonces will be $409601 + 409600 + 1 = 819202$.

6. Pool Mining

Now we have our Burstcoin account/wallet, plot files in our HDD(s), our favorite pool pool.burstcoin.ro and we need a mining program.

I use [creepminer](#), this is my favorite!

Go to your preferred folder for creepminer installation and type

git clone <https://github.com/Creepsky/creepMiner.git>

go in creepminer folder and type

For Ubuntu

sudo apt-get update

sudo apt-get install openssl

./install_poco.sh

make

make clean

For Arch

sudo pacman -S openssl

sudo pacman -S poco

make

make clean

Go to bin folder inside the creepminer folder and open with your favorite editor the file mining.conf

Inside the brackets of “mining” add :

```
"urls" : {  
    "miningInfo" : "http://pool.burstcoin.ro:8080",  
    "submission" : "http://pool.burstcoin.ro:8080",  
    "wallet" : "http://pool.burstcoin.ro:8080"
```

```
},
```

and in “plots” brackets enter your paths for plots folder like this:

```
"plots" : [  
    "/run/media/billos/burstcoin/plots"  
],
```

When you finished close the editor.

Now we must send a reward(1 burst) to our favorite pool to accept us!

In your local wallet in browser go to <http://localhost:8125/rewardassignment.html>.

In “Set reward recipient” add your passphrase and pool.burstcoin.ro BURST address which is BURST-GG4B-34Y9-ZXGV-FNTNJ. Click on submit (removed 1 burst from your account) and wait for few moments.

Go to creepminer folder and type command

```
./run.sh
```

Now you mining and gain bursts in pool.burstcoin.ro pool!

Welcome to our team!!