

Steps to run and manage BCnode with Portainer on Windows

1) Install Docker for Windows as per instructions in:

<https://store.docker.com/>

Note: Create an account. You will need to login when you launch Docker for Windows

Note 2: If you do not have Enterprise or Pro Windows, you can install “Docker Toolbox”. All following steps can be done in the Command prompt just like Docker for Windows when installed. Note you do not need an account.

2) Installing Portainer for Docker for Windows (Note I could not get this to work with Docker toolbox)

Enter the following when you have Docker running in the Command Prompt:

```
docker volume create portainer_data
```

Followed by:

```
docker run --restart unless-stopped -d --name PG -p 9000:9000 -v  
/var/run/docker.sock:/var/run/docker.sock -v portainer_data:/data portainer/portainer
```

Now you can have a GUI to view all your images installed and container instances running by going to <http://0.0.0.0:9000/> or <http://localhost:9000>

This will prompt you to set up the initial admin account. If you restart docker, just enter the second command to rerun Portainer.

3) Create a wallet at: <https://portal.blockcollider.org/wallet>

Further instructions on wallet creation here:

<https://blog.blockcollider.org/creating-a-wallet-and-contributing-in-the-block-collider-genesis-event-fee2b3c862ad>

NOTE: Remember that the ETH address in your BC wallet is your Miner Key. This is very important that the ETH address is from the wallet you created

4) Now run the code to run BCnode

```
docker run --rm --name bcnode -p 3000:3000 -p 9090:9090 blockcollider/bcnode:latest start  
--ws --rovers --ui --node --miner-key YOUR_KEY
```

Auto restart code:

```
docker run --name bcnode -p 3000:3000 -p 9090:9090 --restart=unless-stopped  
    blockcollider/bcnode:latest start --ws --rovers --ui --node --miner-key YOUR_KEY
```

Now go to <http://0.0.0.0:3000/> or <http://localhost:3000>

Note: YOUR_KEY = eth address in you BC wallet

If you want to run another instance (changes highlighted in red):

```
docker run --rm --name bcnode2 -p 3001:3000 -p 9091:9090 blockcollider/bcnode:latest start  
    --ws --rovers --ui --node --miner-key YOUR_KEY
```

Auto restart code:

```
docker run --name bcnode2 -p 3001:3000 -p 9091:9090 --restart=unless-stopped  
    blockcollider/bcnode:latest start --ws --rovers --ui --node --miner-key YOUR_KEY
```

Now go to <http://0.0.0.0:3001/> or <http://localhost:3001>