

BlockFinance ECO. Hacking Challenge



START
HACK

A black and white abstract image with flowing, liquid-like patterns, possibly representing a deep dive or a complex system, serving as a background for the 'Deep Dive' text.

Deep Dive



Challenge 1

Tools & Infrastructure



CryptoWorkspace



1. Each team sends an email to cryptoworkspace@blockfinance-eco.li
2. Login on <https://cryptoworkspace.li/>
3. Enter email, login code and password of your choice.
4. Go to the Admin Panel on the left and subscribe to the Free Package.

Technical Specification requirements

**Minimum of 800 GB of free HD space,
Preferably 1 TB.**

Laptops

For teams without the necessary Tech
Specs

10 Available
At the stand

BIP 85



- **A bitcoin wallet structure using BIP-85 for your company.**
- **Multiple BIP39 seeds for accounting, salaries, fundraising, etc.**
- **A company vault wallet that will be used to fund the company derived from the BIP-85 seed.**

BIP 85

Offline-online-tool

☒ Auto compute

Word list language: English 日本語 Español 中文(简体) 中文(繁體) Français Italiano 한국어 Čeština Português

BIP39 Mnemonic Seed Phrase: birth traffic danger stone maid garlic clap describe captain session either vicious need junior grass topple program adjust artefact brown talent play lonely picnic

☐ Show split mnemonic cards

BIP39 Passphrase (optional):

BIP39 Seed: 3f8b992f5fclced90f23a8b72fb2182a29897163312c8621e613dc549bd5d357b65c67fbd9bb41f51b548dd5fad911d28199c286d69d9cdce29a63a778f475d0

Coin: BTC - Bitcoin

BIP32 Root Key: xprv9s21ZrQH143K3njztJo4GuBo7TNQVNBURyDeC8sq3wPrnprnJhpzDaQ43FtYjJw4dZX7JFYRC3531j9CwiChM9q6sVg7c9p9MGuMsHYUA5W9

☐ Show BIP85 Needs to be enabled

Derivation Path

BIP32 BIP44 BIP49 BIP84 BIP141

For more info see the [BIP44 spec.](#)

Purpose: 44

BIP 85

Helpful Links

<https://github.com/bitcoin/bips/blob/master/bip-0085.mediawiki>

<https://getcoinplate.com/bip39-seed-phrase-mnemonics-generator-offline-online-tool/>

Bitcoin Value Assert Helpful Links

<https://github.com/Blockfinance-ECO/Bitcoin-Value-Assert>

Watch a video on how to use

it: https://www.youtube.com/watch?v=Gyy8i1_MRIs



Bitcoin Node Helpful Links

<https://bitcoin.org/en/full-node#initial-block-downloadibd>

<https://bitcoin.org/en/download>

<https://jlopp.github.io/bitcoin-core-config-generator/>

<https://developer.bitcoin.org/reference/rpc/>

<https://bitcoindex.network/bitcoin-script-101/>



General Bitcoin Resources

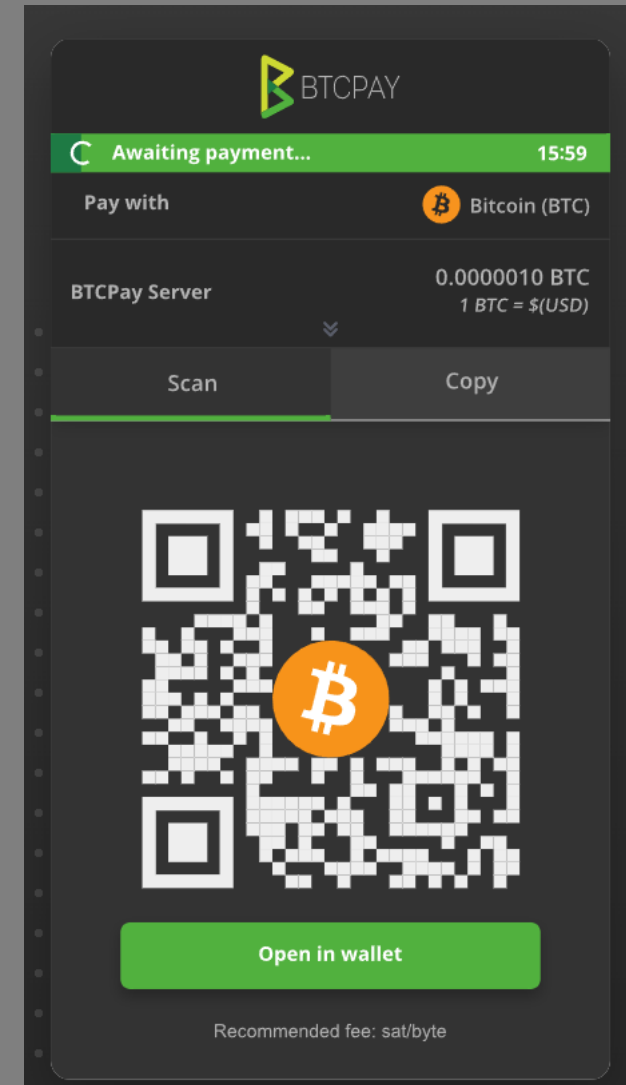
Helpful Links

<https://github.com/bitcoinbook/bitcoinbook>

Bitcoin Payment Server ■

Helpful Links

<https://btcpayserver.org/>



Bitcoin Infrastructure

Connecting to Network Box

Cable

Just plug in the network cable to your Laptop and you will get an IP address via DHCP.

Via WiFi

2G-Wifi

SSID: BlockfinanceECO-CryptotWorkspace

Password: ask operator

5G-Wifo

SSID: BlockfinanceECO-CryptotWorkspace

Password: ask operator

Bitcoin Infrastructure

Internal IP Addresses

NAS01

To get all your needed Blockchain files visit NAS01 at:

<https://10.20.20.10/> or

<https://nas01.bfeco.local/>

User: bfeco

Pass: bfeco123

Domain: WORKGROUP

Bitcoin Infrastructure

Mount Via Console

NFS

Multiple users

```
sudo apt install nfs-common  
showmount -e 10.20.20.10 or showmount -e nas01.bfeco.local
```

Create a directory to mount a copy of bitcoin blockchain:

```
sudo mkdir /mnt/bitcoind
```

Bitcoin Infrastructure

Mount Via Console

Mount the NFS share with a copy of Bitcoin Blockchain

```
sudo mount -t nfs 10.20.20.10:/BFECO-Bitcoin /mnt/bitcoind
```

Now copy the Bitcoin blockchain to your local harddisk:

```
sudo rsync -av --info=progress2 /mnt/bitcoind/ /opt/
```

Next unmount the directory let other users sync as well:

```
sudo umount /mnt/bitcoind
```


Bitcoin Infrastructure

Mount Via Console

Once you did copy the blockchain you can then run **bitcoin-qt** or **bitcoind**:

```
sudo chown -R oem:oem /opt/*
```

 (run this once to correct file and folder access)

```
/opt/bitcoind/bin/bitcoin-qt -datadir=/opt/bitcoind/data/
```

Challenge 2

**All you gotta do in
addition**



Task List

List to everything here:

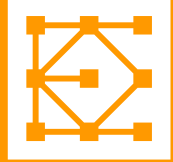
https://github.com/START-Hack/BLOCKFINANCE-ECO_STARTHACK23/blob/main/README.md

Challenge 3

**Be creative, add value
surprise us.**

**You will be using
real Bitcoin for the
Challenge!**





BlockFinance ECO AG



START
HACK

HAVE FUN!

