

Download the source code of blockchain-demo into local folder with:

`git clone https://github.com/anders94/blockchain-demo.git`

then use `cd` got to `blockchain-demo` folder

```
oscar@ubuntu:~$ git clone https://github.com/anders94/blockchain-demo.git
fatal: destination path 'blockchain-demo' already exists and is not an empty directory.
oscar@ubuntu:~$ s
s: command not found
oscar@ubuntu:~$ ls
blockchain-demo  Documents  Music      Public      Videos
Desktop          Downloads  Pictures    Templates
oscar@ubuntu:~$ cd blockchain-demo/
oscar@ubuntu:~/blockchain-demo$ ls
app.js  docker-compose.yml  LICENSE  package.json  public  routes
bin     Dockerfile          locales  package-lock.json  README.md  views
oscar@ubuntu:~/blockchain-demo$
```

Start npm server with:

`npm install`

`npm start`

```
oscar@ubuntu:~/blockchain-demo$ npm install

> typechecker@2.0.8 preinstall /home/oscar/blockchain-demo/node_modules/extendr/
node_modules/typechecker
> node ./cyclic.js

> typechecker@2.0.8 preinstall /home/oscar/blockchain-demo/node_modules/extract-
opts/node_modules/typechecker
> node ./cyclic.js

added 148 packages from 90 contributors and audited 148 packages in 5.275s

11 packages are looking for funding
  run `npm fund` for details

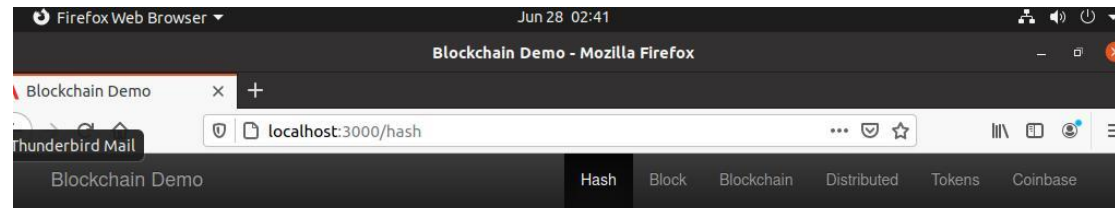
found 0 vulnerabilities

oscar@ubuntu:~/blockchain-demo$ npm start

> blockchain-demo@0.0.1 start /home/oscar/blockchain-demo
> node ./bin/www
```

Open borrower and go to :

<http://localhost:3000/>

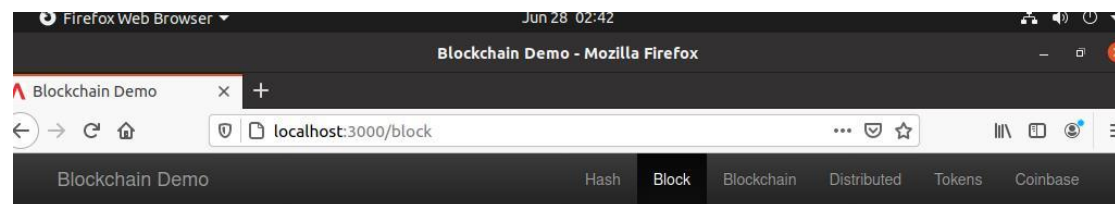


SHA256 Hash

Data:

Hash:

Now we should see the rest page:



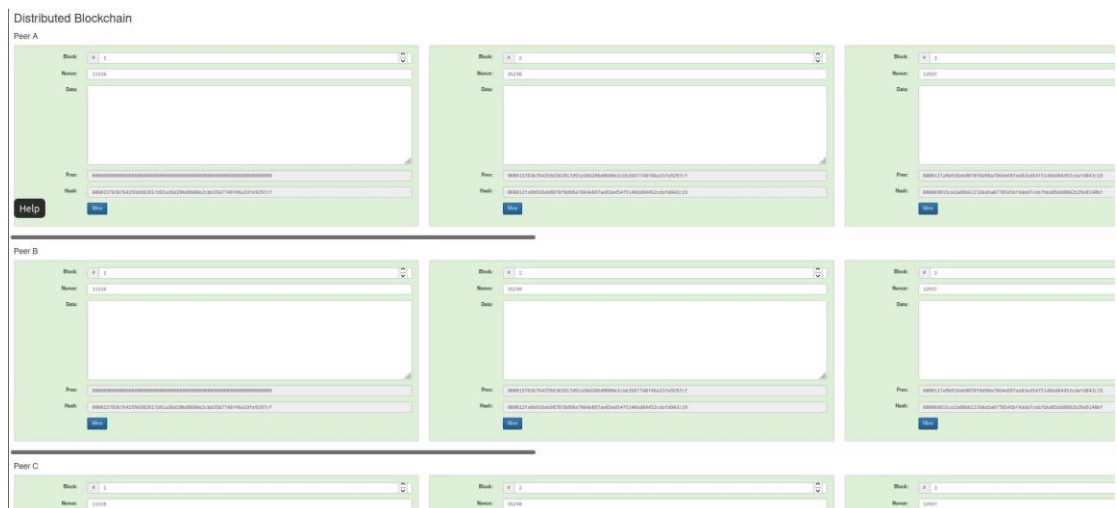
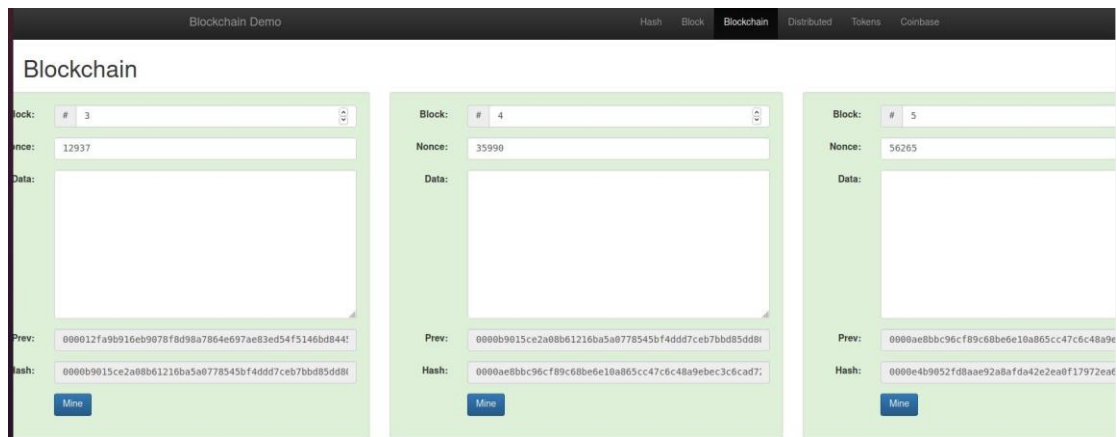
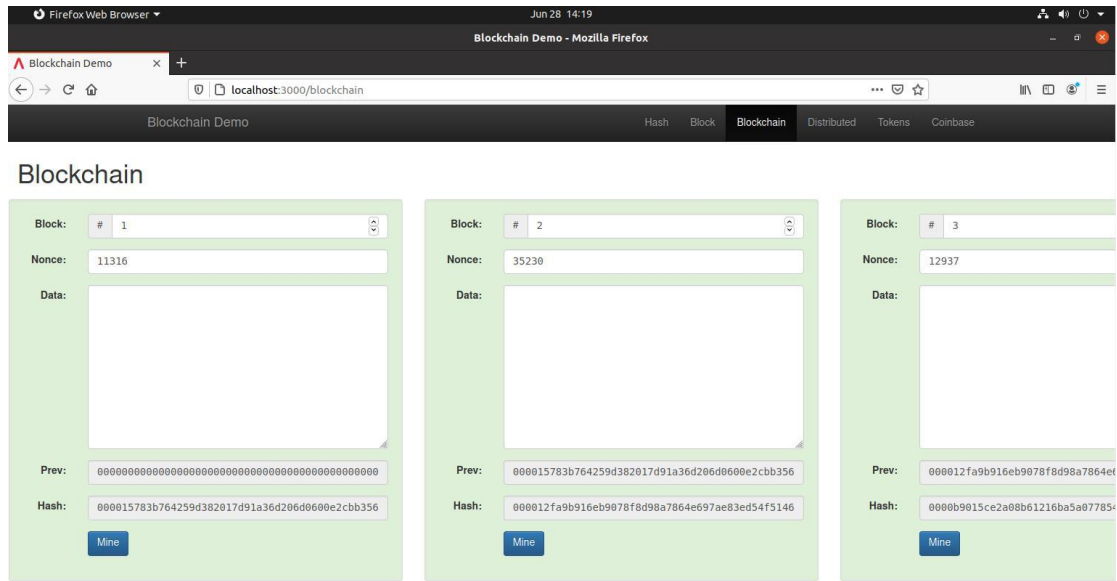
Block

Block:

Nonce:

Data:

Hash:



Blockchain Demo

HashBlockBlockchainDistributedTokensCoinbase

Peer A

Block: # 1

Nonce: 139358

Tx:

\$ 25.00

From: Darcy

→

Bingley

\$ 4.27

From: Elizabeth

→

Jane

\$ 19.22

From: Wickham

→

Lydia

\$ 186.44

From: Lady Catherine

→

Collins

\$ 6.42

From: Charlotte

→

Elizabeth

Prev:

0000000000000000000000000000000000000000000000000000000000000000

Hash:

00000c52990ee86de5Sec40b32beef0745d71675dc8eddfbc7b88336e2e296b

Mine

Block: # 2

Nonce: 39207

Tx:

\$ 97.67

From: Ripley

→

Lambert

\$ 48.61

From: Kane

→

Ash

\$ 6.15

From: Parker

→

Dallas

\$ 18.44

From: Hicks

→

Newt

\$ 88.32

From: Bishop

→

Burke

\$ 45.00

From: Hudson

→

Gorman

\$ 92.00

From: Vasquez

→

Apone

Prev:

00000c52990ee86de5Sec40b32beef0745d71675dc8eddfbc7b88336e2e296b

Hash:

000078bc183417844c14a0251ca246fb15df1874019873f5085c1a6f4311d4e0

Mine

Block: # 3

Nonce: 13084

Tx:

\$ 18.00

From: Emily

\$ 5.00

From: Madison

\$ 20.00

From: Lucas

Prev:

000078bc183417844c14a0251ca246fb15df18740

Hash:

0000c2c95f54a40b4f2bee7956a76c3b7c1a40878

Mine

Peer B

Block: # 1

Nonce: 139358

Tx:

\$ 25.00

From: Darcy

→

Bingley

\$ 4.27

From: Elizabeth

→

Jane

\$ 19.22

From: Wickham

→

Lydia

\$ 186.44

From: Lady Catherine

→

Collins

\$ 6.42

From: Charlotte

→

Elizabeth

Prev:

0000000000000000000000000000000000000000000000000000000000000000

Hash:

00000c52990ee86de5Sec40b32beef0745d71675dc8eddfbc7b88336e2e296b

Mine

Block: # 2

Nonce: 39207

Tx:

\$ 97.67

From: Ripley

→

Lambert

\$ 48.61

From: Kane

→

Ash

\$ 6.15

From: Parker

→

Dallas

\$ 18.44

From: Hicks

→

Newt

\$ 88.32

From: Bishop

→

Burke

\$ 45.00

From: Hudson

→

Gorman

\$ 92.00

From: Vasquez

→

Apone

Prev:

00000c52990ee86de5Sec40b32beef0745d71675dc8eddfbc7b88336e2e296b

Hash:

000078bc183417844c14a0251ca246fb15df1874019873f5085c1a6f4311d4e0

Mine

Block: # 3

Nonce: 13084

Tx:

\$ 18.00

From: Emily

\$ 5.00

From: Madison

\$ 20.00

From: Lucas

Prev:

000078bc183417844c14a0251ca246fb15df18740

Hash:

0000c2c95f54a40b4f2bee7956a76c3b7c1a40878

Mine

Blockchain Demo

HashBlockBlockchainDistributedTokensCoinbase

Coinbase Transactions

Peer A

Block: # 1

Nonce: 16651

Coinbase:

\$ 100.00

→

Anders

Tx:

Prev:

0000000000000000000000000000000000000000000000000000000000000000

Hash:

0000430d7625086a6f366545b1929975a0d3ff1f8847e56cc587cadd0b80781

Mine

Block: # 2

Nonce: 215458

Coinbase:

\$ 100.00

→

Anders

Tx:

\$ 18.00

From: Anders

→

Sophia

\$ 20.00

From: Anders

→

Lucas

\$ 15.00

From: Anders

→

Emily

\$ 15.00

From: Anders

→

Madison

Prev:

0000430d7625086a6f366545b1929975a0d3ff1f8847e56cc587cadd0b80781

Hash:

0000b0aeb68c2a60f9a6fa5635543809fcb72a15494fcea61706409314f9f63

Mine

Block: # 3

Nonce: 146

Coinbase:

\$ 100.00

→

A

Tx:

\$ 10.00

From: Emily

\$ 5.00

From: Madison

\$ 20.00

From: Lucas

Prev:

0000b0aeb68c2a60f9a6fa5635543809fcb72a15

Hash:

00000f1d632b734f5a5fc126a0f9e0894b4c831

Mine

Peer B

Block: # 1

Nonce: 16651

Coinbase:

\$ 100.00

→

Anders

Tx:

Prev:

0000000000000000000000000000000000000000000000000000000000000000

Hash:

0000430d7625086a6f366545b1929975a0d3ff1f8847e56cc587cadd0b80781

Mine

Block: # 2

Nonce: 215458

Coinbase:

\$ 100.00

→

Anders

Tx:

\$ 18.00

From: Anders

→

Sophia

\$ 20.00

From: Anders

→

Lucas

\$ 15.00

From: Anders

→

Emily

Prev:

0000430d7625086a6f366545b1929975a0d3ff1f8847e56cc587cadd0b80781

Hash:

0000b0aeb68c2a60f9a6fa5635543809fcb72a15494fcea61706409314f9f63

Mine

Block: # 3

Nonce: 146

Coinbase:

\$ 100.00

→

A

Tx:

\$ 10.00

From: Emily

\$ 5.00

From: Madison

\$ 20.00

From: Lucas

Prev:

0000b0aeb68c2a60f9a6fa5635543809fcb72a15

Hash:

00000f1d632b734f5a5fc126a0f9e0894b4c831

Mine