TIC-BLK4

Rapport de réalisation

Etape 1

Tutorial 1 - Set up a private Blockchain network

Thomas SIMOES

Installation de Geth:

```
#! /bin/bash

sudo add-apt-repository ppa:ethereum/ethereum

cp install/source.list /etc/apt/sources.list.d/ethereum-bionic.list

sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys 2A518C819BE37D2C2031944D1C52189C923F6CA9

sudo apt-get update

sudo apt-get install ethereum

mkdir -p ../ethereum

mkdir -p ../ethereum/account/keystore

mkdir -p ../ethereum/genesis/keystore

mkdir -p ./tmp
```

Création d'un nouveau compte:

Script de création de compte:

```
#! /bin/bash
if [ $# -eq 0 ]; then
    exit
fi

geth --datadir ../ethereum/account account new --password $1
cp ../ethereum/account/keystore/* ../ethereum/genesis/keystore
```

Retour du script:

Initialisation de Geth:

- Script de démarrage:

```
#! /bin/bash

mkdir -p ./config
geth --datadir ../ethereum/genesis init ./config/genesis.json
```

- Retour:

```
| Idebiangledelian:-/Documents/stheraum/acriats ./genesis.sh
| INFO [18-94 [18:58:15.777] Maximum peer count |
| INFO [18-94 [18:58:15.777] Maximu
```

Geth JavaScript Console:

```
### Comparison of the Comparis
```

Commande pour récupérer les Ether:

Configuration et lancement du bootnode:

```
| Ambient | Ambi
```

Lancement d'un noeud membre:

```
Main (Indexis) (International Action of the Control of the Control
```

Lancement d'une instance Geth pour miner:

Réalisation d'une transaction:

```
Walcome to the Seth laveScript console!

instance: Geth/vi.9.d=stable=dd895080/linu=endd4/gol.11.5
corlobes: Mock/Sedd6040179207205246300cb37

instance: Geth/vi.9.d=stable=dd895080/linu=endd4/gol.11.5
corlobes: Mock/Sedd6040179207205246300cb37

instance: Geth/vi.9.d=stable=dd895080/linu=endd4/gol.11.5
corlobes: Mock/Sedd6040179700caments/ebersum/ethersum/genesis
coolles: adminic debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=desini.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=debug:1.d=deb
```