

ELECTION BLOCKCHAIN

GUIDELINES

Welcome to our election blockchain!

Please follow the following steps for starting the election blockchain properly:

1) Please install the crypto-js package on your ucloud server:

```
npm install crypto-js
```

2) Download the necessary files from dropbox with the following command:

```
wget https://www.dropbox.com/s/szs2eunud49tri7/HLF\_144\_Election.zip
```

3) Unzip the file and move the directories as follows:

```
unzip HLF_144_Election.zip
mv HLF_144_Election/election_chaincode hlf144/chaincode/election
mv HLF_144_Election/election_callingcode hlf144/election
```

4) Move to the election directory and start the network:

```
cd hlf144/election
./launch.sh
```

5) Inside the election directory, move to the javascript directory and install the necessary packages:

```
cd javascript
npm install --unsafe-perm
npm install grpc --unsafe-perm
```

6) Add a user for performing different tasks:

```
node enrollAdmin.js  
node registerUser.js
```

7) You are now ready to vote, query information of votings and make polls of the election with the following commands:

```
node vote.js
```

(Possible inputs: “socialist”, “progressive”, “liberal”, or “conservative” (caution: it is case sensitive and needs exact matches, otherwise invalid))

```
node query.js
```

(possible inputs: “VOTE0”, “VOTE01”, (“VOTE02”, ...) or “ALL” (caution: it is case sensitive!))

```
node poll.js
```