

1. Install nvm(Node Version Manager)

Run the install script using cURL:

```
curl -o- https://raw.githubusercontent.com/creationix/nvm/v0.34.0/install.sh | bash
```

or Wget:

```
wget -qO- https://raw.githubusercontent.com/creationix/nvm/v0.34.0/install.sh | bash
```

Load nvm

```
export NVM_DIR="$HOME/.nvm"  
[ -s "$NVM_DIR/nvm.sh" ] && \. "$NVM_DIR/nvm.sh" # This loads nvm
```

2. Install node.js version 8

Run:

```
nvm install v8
```

Then run

```
node -v
```

to check the version of node.js

3. Clone gny-experiment repository

```
git clone git@github.com:GNYIO/gny-experiment.git
```

4. Install dependencies

Run

```
npm install
```

5. Transpile Files with TypeScript

Execute

```
npm run tsc
```

6. Start blockchain

All the complied code is in the dist folder.

```
cd dist  
node app
```