Jirapat Wor

{ 16 / 11 / 2022 }

Fork Com-pound

How to deploy forked compound?

For more info:

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<h1>Start Now</h1>

```
> mrdir yourfolder
> cd yourfolder
> npm init -y
> npx hardhat // Create an empty hardhat.config.js
> npm install --save hardhat @nomiclabs/hard-
  hat-ethers @nomiclabs/hardhat-waffle chai ethere-
  um-waffle solidity-coverage @openzeppelin/con-
  tracts evm-bn
```

Then Copy all files in zip to your folder

```
> npm run local // start node
Then Setting config file in config.json

{
  "ip" : your ip address
  "port" : your port,
  "adminAddress" : your first public key on node,
  "privateKey": your first private key on node,
  "liquidatorAddress": public key (unlike adminAddress),
  "privateKeyLiquidator":private key (unlike admin),
  "ethToSupply": Number of ETH you want to supply,
  "JPTToSupply": Number of JPT you want to supply,
  "ethToBorrow": Number of ETH you want to borrow,
  "JPTToBorrow": Number of JPT you want to borrow,
  "ethToRepay": Number of ETH you want to repay,
  "JPTToRepay": Number of ETH you want to repay,
  "onlyBorrowETH": ETH you want to borrow without supply,
  "transferAmount": Number of JPT you want to Transfer,
  "liquidityAmount": Number of JPT you want to liquidate
}
```

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```
> npm run build // compile
> npm run deploy // deploy all contracts
// in this step address.json will auto created
and custom ERC20 token name “JPT” will be created
and supply token to adminAddress
> npm run admin // set defualt values

// if you want to change price in priceOracle run
> npm run setprice // set your price in script first
```

Now you app is ready... let’s try using functions

Try to supply some ETH

```
> npm run supplyeth
location : operation_scripts/supplyETH.js
```

Try to supply some JPT

```
> npm run supplyerc
location : operation_scripts/supplyERC.js
```

Try to redeem all ETH

```
> npm run redeemeth
location : operation_scripts/redeemETH.js
```

Try to redeem all JPT

```
> npm run redeemerc
location : operation_scripts/redeemERC20.js
```

Try to borrow some ETH

```
> npm run borroweth
location : operation_scripts/borrowETH.js
```

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Try to borrow some JPT
> npm run borrowerc
location : operation_scripts/borrowERC.js

Try to repay some ETH
> npm run repayeth
location : operation_scripts/repayETH.js

Try to repay some JPT
> npm run repayerc
location : operation_scripts/repayERC.js

Try to borrow ETH without supply collateral
> npm run onlyborroweth
location : operation_scripts/onlyBorrowEth.js

Try to make liquidity situation
> npm run makeliquid
location : operation_scripts/makeLiquidity.js

Try to make liquidity situation
> npm run makeliquid
location : operation_scripts/makeLiquidity.js

Try to transfer JPT
> npm run transfer
location : operation_scripts/transferJPT.js

Try to call liquidity
> npm run callliquid
location : operation_scripts/callLiquidity.js

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Try to check balance of main account

```
> npm run checkbalance
location : operation_scripts/checkbalance.js
```

Try to check liquidator's balance

```
> npm run checkbalanceliquidator
location : operation_scripts/checkBalanceLiquidator.js
```

```
// if you want to test liquidity you need to run only-
borroweth to make your liquidity as low as possible
(use checkbalance to checck your liquidity) then run
makeliquid to drop JPT's price by half. Now main ac-
count is underwater. After that, run transfer to trans-
fer JPT to liquidator account and then callliquid to
make liquidity

// Don't forget to supply token to contract before run
borrow function
```

have a nice day...

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