HardHat

-

-

-

-

Hardhat vs Truffle

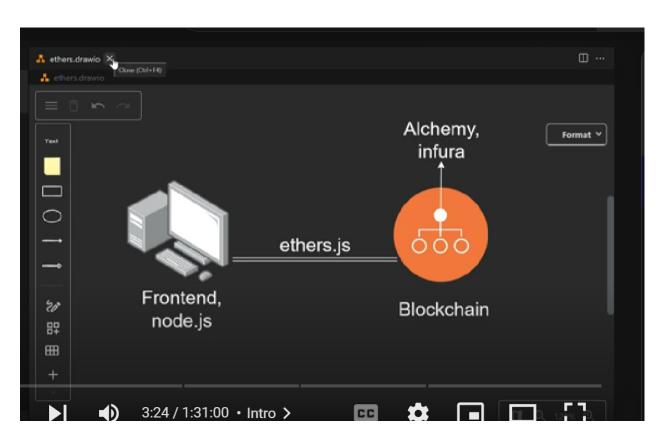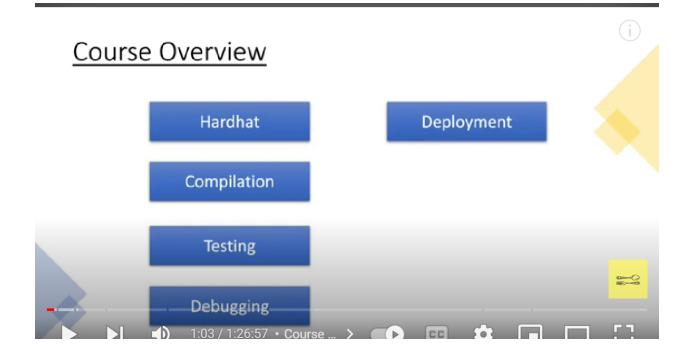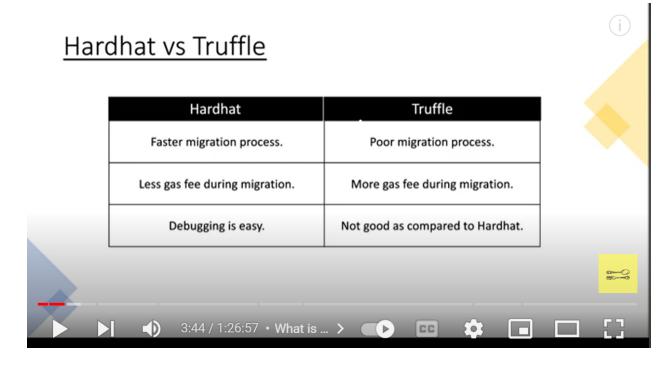| Hardhat	Truffle
Faster migration process.	Poor migration process.
Less gas fee during migration.	More gas fee during migration.
Debugging is easy.	Not good as compared to Hardhat.

3:44 / 1:26:57 • What is ... >

- Process of HardHat installation

1.
```
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat> npm init
This utility will walk you through creating a package.json file.
```

2.
```
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat> npm install --save.dev hardhat
```

3.
```
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat> npx hardhat
888     888                                888 888                 888
```

4.
```
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat> npm install --save-dev @nomiclabs/hardhat-ethers ethers @nomiclabs/hardha
t-waffle ethereum-waffle chai
```

- Compilation in HardHat

1.
```
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat\contracts> npx hardhat compile
```

- Testing in HardHat

1.
```
Compiled 1 Solidity file successfully
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat\contracts> npx hardhat test
```

- Debugging in HardHat

1.
```
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat> npm hardhat test
```

- Deploying to a live network

1.
```
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat> npx hardhat run scripts/deploy.js
```

2.
```
-traces
PS C:\Users\Nirbhay Gupta\Desktop\Web_Development\13_BlockChain\4_HardHat\Hard
Hat> npx hardhat run scripts/deploy.js --network sepolia
```