

Tic Tac Toe

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Smart Contracts and Decentralized Blockchain
Applications

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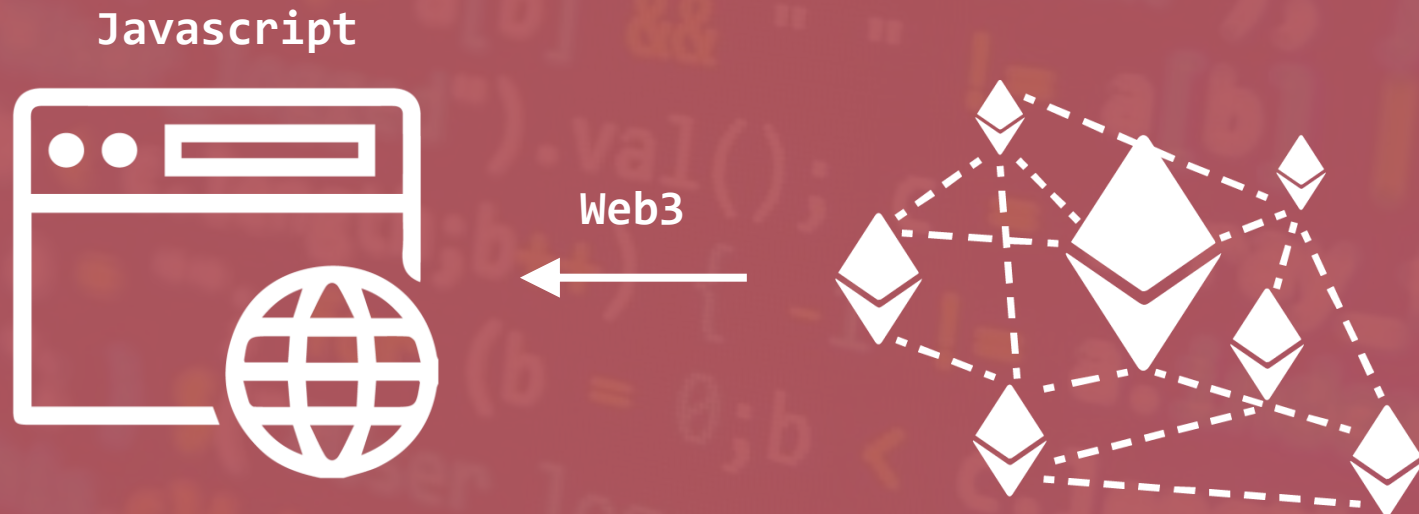
Tic Tac Toe - Refresher



Starting at 00:19 or 00:37

Implementation

- Smart Contract by Patrice Glaser
- Front-end by Lucas Thiel



Game Time

<https://rinkeby.etherscan.io/address/0xea69f02cfbfb43d3623fac979e17d76f8a31f445#writeContract>

- *useFaucet* → get 1.5 ETH
- *newBetForTeam(A/B)* → make bet for your team
min bet = 0.1 ETH



Further Optimization

- Share depends on
 - # of bets made
 - Round of bets
 - Importance of move
- “Automated” end of round
- ...

Detailed workflow

- Deploy contract on Rinkeby
 - > `truffle.cmd migrate --reset --network rinkeby`
 - On Etherscan verify code using source code and “Optimization” no
- Start frontend
 - > `npm run dev`
- Connect to MetaMask with owner account
- Etherscan ‘Write Contract’ tab
 - ‘fillFaucet’ with ETH
 - Player will use ‘useFaucet’ to get ETH
 - ‘endFaucet’ (this will start the game)
- Player uses ‘newBetForTeam(A/B)’
- Owner ends round with button (‘endRound’)