

THE SOLIDITY IDE IN THE CLOUD

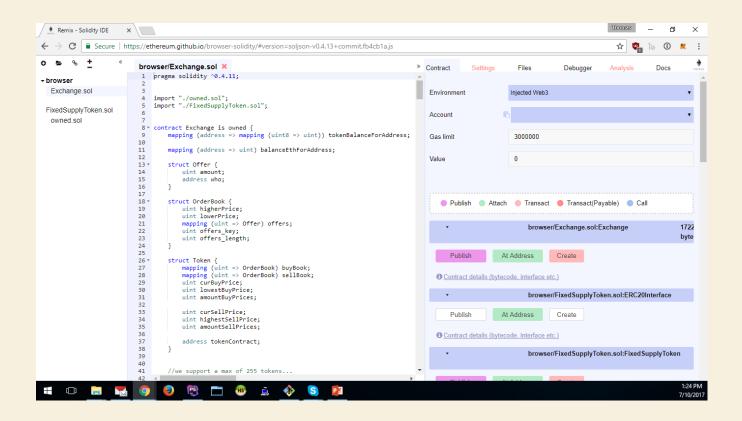
GOOD TO KNOW

- Previously Browser-Solidity
- For Smart Contract Development
 - Integrated Debugger
 - Integrated Testing Environment
 - Static Analysis
- Can directly publish on a GIST
- Can also work inside MIST or with MetaMask
 - Can directly deploy
- Available on http://remix.ethereum.org

DEVELOPMENT

- Syntax highlighting
- Multiple Files
- Error Highlighting (integrated static analysis)
- Simulated Blockchain (via VM)
 - Can also work with injected web3 object
 - Or with a http-rpc (like a local geth node)
- Deploy contracts
- Watch details (bytecode, ABI)

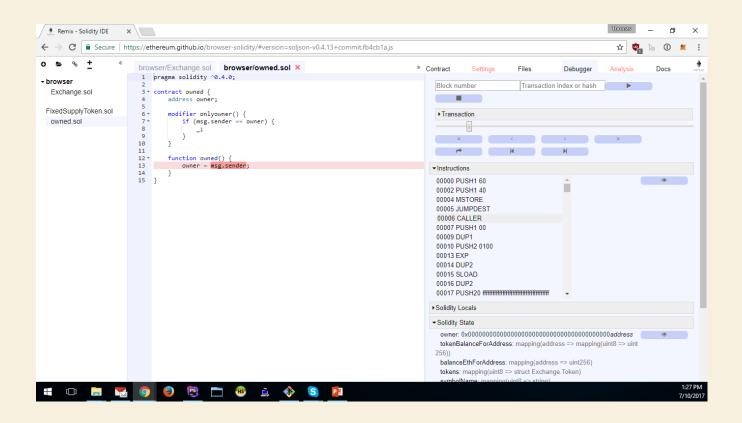
DEVELOPMENT



DEBUGGING

- Step by Step
 - With Code highlighting
- View Instruction
- Monitor variables
 - Locals & State
- Call Data
- Call Stack

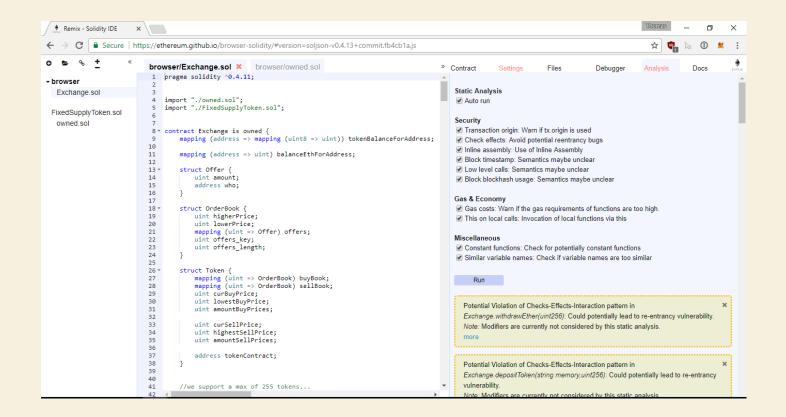
DEBUGGING



ANALYSIS

- Warnings when "unsafe" code is used
 - Tx.origin
 - Or address.send(...)
 - **–** ...
- Warnings about gas costs
 - When they are too high
- Check if functions could be constant
- Check for similar variable names

ANALYSIS



WHAT YOU LEARNED HERE

- Remix is a web IDE for smart contract development
- Has a convenient step-by-step debugger
- Integrated simulated ethereum protocol simulation
- Can also speak to web3 if injected or a HTTP-RPC