IntelliJ Solidity Debugger

Solidity Summit 2022

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Web3j

Released 2016!

Leading JVM/Android library for Ethereum

Over 65k downloads/month

Over 1.5m total downloads

Used by:

J.P.Morgan









Ecosystem

Core library

• JSON-RPC, wallets, smart contract wrappers

Build tools

- Gradle and Maven plugins
- Embedded EVM (Hyperledger Besu)
- Embedded Solc + version manager
- Testing framework

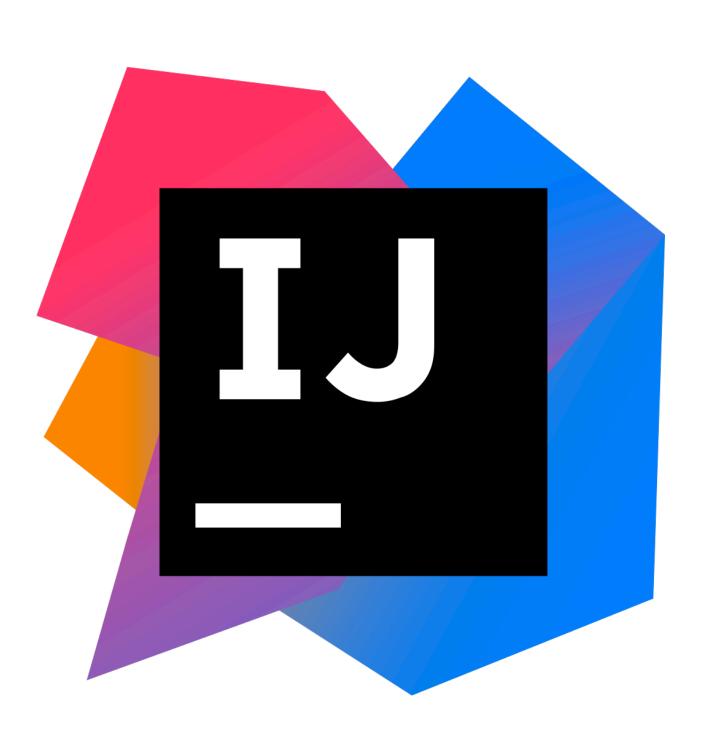
CLI

Project scaffolding



Why IntelliJ?

- Most popular JVM/Android IDE
- Created by JetBrains
- Other leading IDEs PyCharm, Webstorm, etc
- We want to provide the best possible developer experience on the JVM

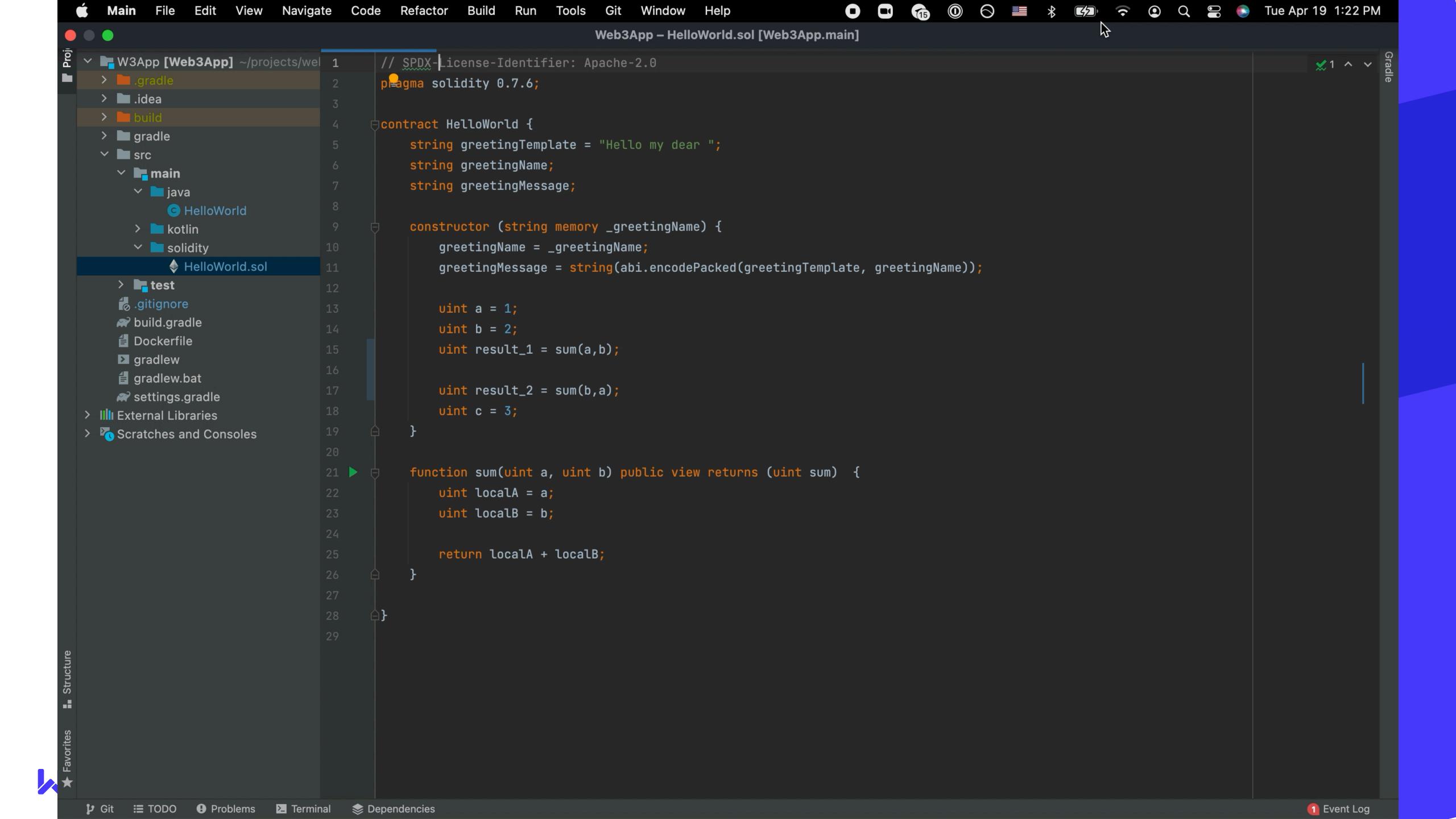




Demo

Andrii Kliui





Roadmap

- Debugger window
- Deployment breakpoints
- Step functionality
- Simple stack decoding

Support for:

- Advanced stack decoding
- Arbitrary method breakpoints
- Imported contracts

Release on IntelliJ marketplace



Thanks 💙

Ethereum Foundation

Web3j community (over 150 contributors)

Web3 Labs team



Learn More

- https://github.com/web3j/Intellij-solidity-debugger
- web3labs.com
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