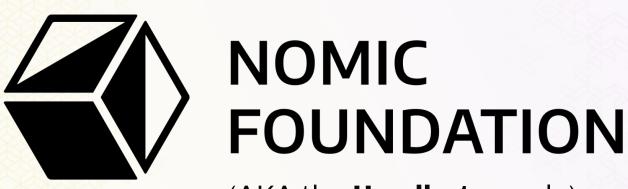
Better Solidity Support in VSCode

By Hardhat





(AKA the **Hardhat** people)



About me



John Kane Team Lead Solidity by Nomic

github.com/kanej

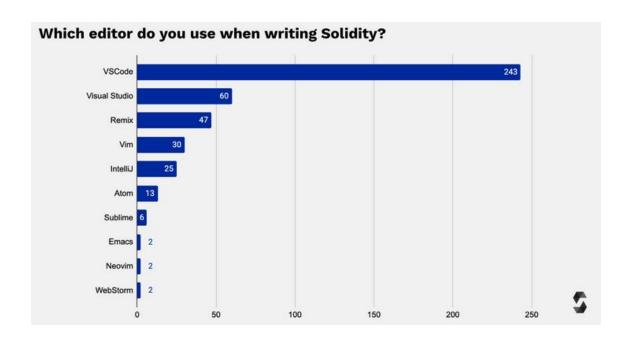
https://hardhat.org/discord

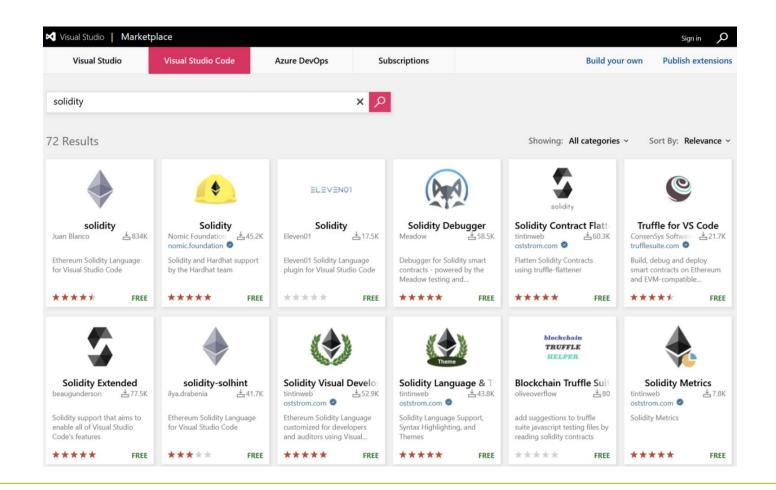
UK Accent Bingo

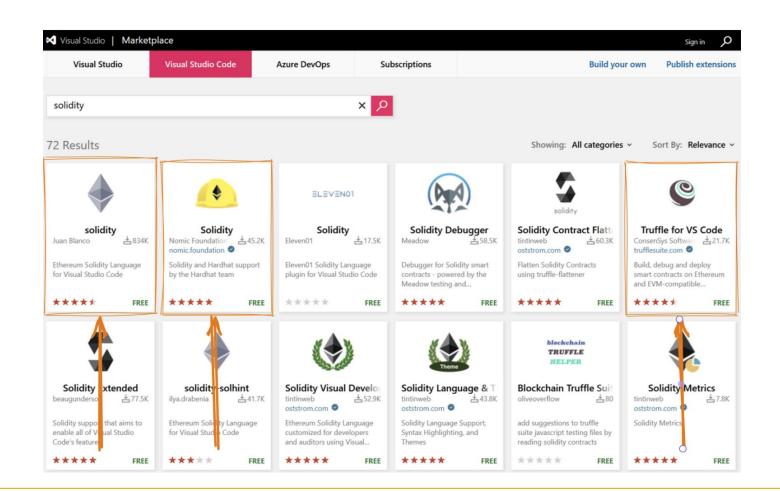


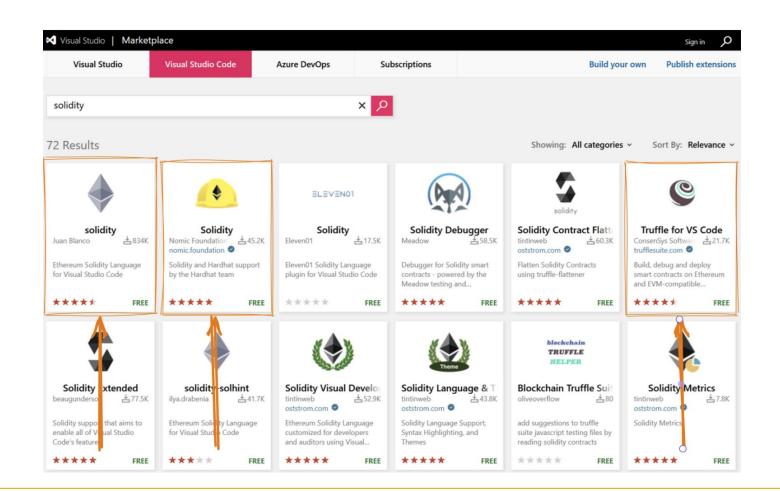
01 | VsCode/Extensions

VSCode is winning





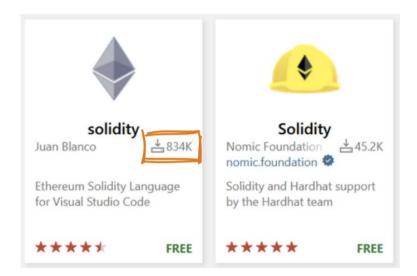






Solidity by Juan Blanco

- Syntax highlighting
- Formatting
- Navigation
- Diagnostics



Truffle for VSCode

- Leverages Solidity by Juan Blanco for syntax highlighting, diagnostics, formatting
- UI Integrations with truffle tools
- VSCode integration with Truffle debugger



Truffle for VS Code

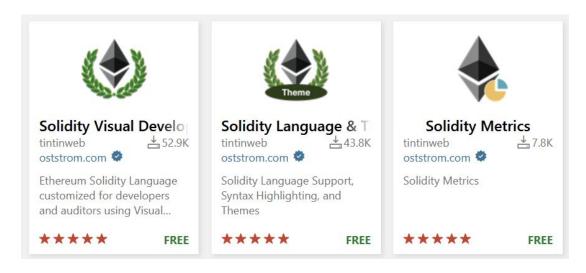
ConsenSys Software 21.7K

Build, debug and deploy smart contracts on Ethereum and EVM-compatible...



FREE

Consensys Diligence



- Security centric language features
- Analysis and visualizations to support audits

02 | How do we get better?

Blockers

- Feature Fragmentation
- Feature Brittleness

Fragmentation

- By editor VSCode only
- By development framework some features are supported in some development frameworks

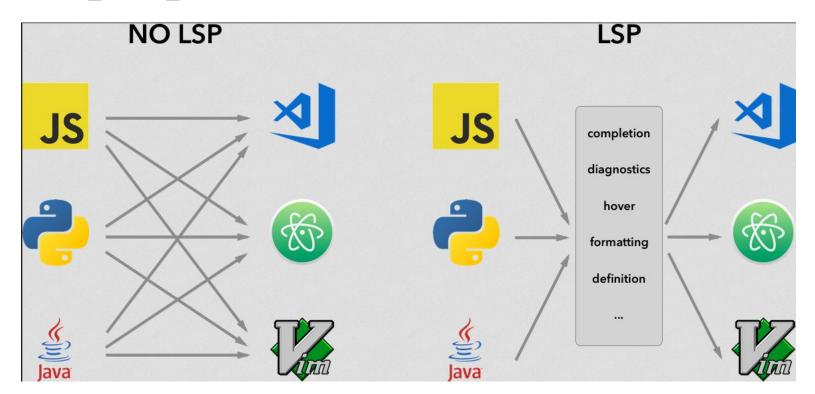
Import Loading

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.0;
import "./Box.sol";
import "@openzeppelin/contracts/interfaces/IERC20.sol";
contract CodeCoin is IERC20 {
    function totalSupply() external view override returns (uint256) {}
    function balanceOf(address account)
        external
        view
        override
        returns (uint256)
    {}
```

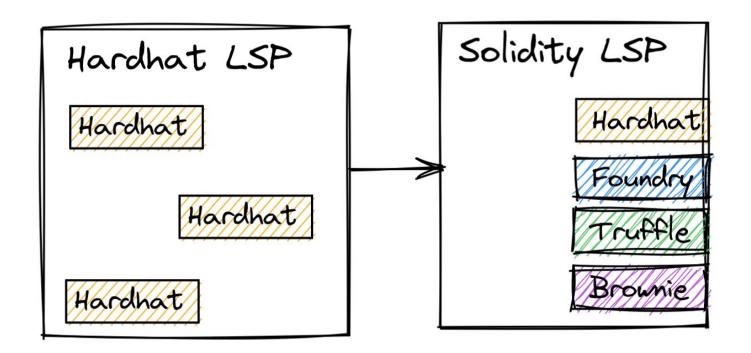
Use a Language Server

Build a refactoring once, use it everywhere

Language Server



Eh, what about that Foundry support?

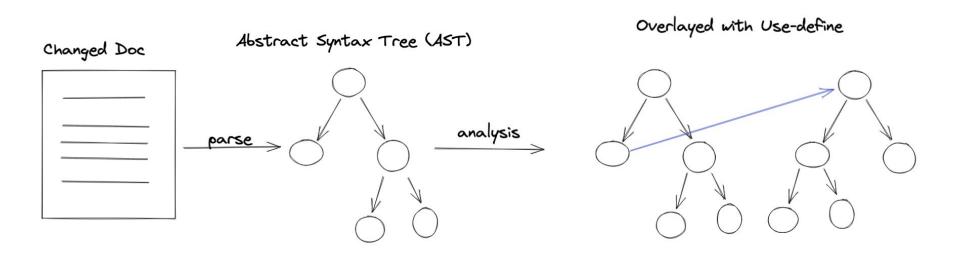


Why not use solc's?

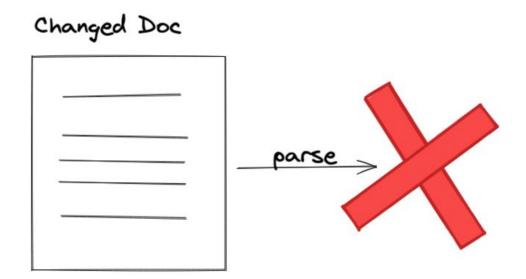
Feature Brittleness



When we are good we are really good



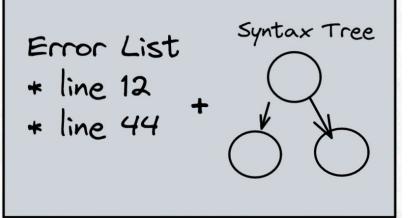
But when we are bad ...











Slang's Parser

- Leverage best practice (rosyln, swift, rust)
- Produce output in the presence of errors
- Include incidentals (whitespace, comments)

03 | Summary



Credibly Neutral Language Server





Wen Vim?



:wq

