Better Solidity Support in VSCode

By Hardhat
NOMIC FOUNDATION

(AKA the Hardhat people)
About me

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UK Accent Bingo

❌ Hobbit
✅ Dwarf
❌ Elf
01 | VsCode/Extensions
VSCode is winning
null
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
Consensys Diligence

- Security centric language features
- Analysis and visualizations to support audits
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
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
Hardhat
Credibly Neutral Language Server
Wen Vim?
:wq