For managing and developing the extension

The extension has two parts the vscode extension and the language server.

Dependencies

Extension

The client/extension needs npm and node installed which can be installed from \underline{doc} . Install extension dependencies using npm inside solang-vscode.

\$ npm install

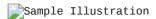
The source code for the extension is present in solang-vscode directory. The client side implementation is present in src/client. The extension client code is in src/client/extension.ts. The client is supposed to be using server binaries from /.cargo/bin which you can change by changing the path inside extension.ts +/.cargo/bin) to the location where your development solang server binary is present.

Server

The language server code is present in src/bin/languageserver inside solang. Building solang as release will build language server. Instructions are present in the solang doc.

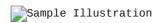
Developing and Testing new features

For use



- 1. Inside a vscode instance, Ctrl+Shift+B to build the project.
- 2. On the task bar at the bottom of the IDE select Launch Client.
- 3. Open a Solidity file (.sol) to test the extension.

For running tests



- 1. Inside a vscode instance, Ctrl+Shift+B to build the project.
- 2. On the task bar at the bottom of the IDE select Extensions tests.
- 3. The result should be displayed in the debug console of the host IDE instance.

Wiki for feaures

- 1. Syntax highlighting and Bracket completion for Solidity.
- 2. <u>Diagnostics</u> for compiler errors, hints and warnings.
- 3. $\underline{\text{Hover}}$ for different tokens.

References

Files solidity.configuration.json, syntaxes/solidity.json reffered from $\underline{\text{vscode-solidity}}$ Commit hash: e22c566909a18ae646cbc41ea3e788222c8377a6

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