

SystemVerilog IDE integration with Verible Language Server support

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work in progress report

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Abstract—Verible [1] is an Open Source developer productivity tool for SystemVerilog. It provides linting, including auto-fix patches, formatting, and code indexing as well as project inspection tools.

Integration with github actions allows to automatically run in continuous integration and generate comments on pull requests, helping to improve code quality in development teams.

So far, all of these uses have been offline on files at rest, but tool support while writing the code is an additional way Verible will improve developer productivity. Providing online symbol navigation such as "jump to definition" and code quality feedback directly in the IDE is a newly developed feature of Verible. Using the language server protocol, this feature is compatible with all common IDEs.

In this presentation (submitted in the Work-in-progress category), we will give a hands-on introduction of using the various features of the Verible tool set, including the current state of the IDE integration with the language server protocol.

REFERENCES

- [1] Google. (2019) Verible parser, style-linter and formatter. [Online]. Available: <https://github.com/chipsalliance/verible>