**HDL Tools** 

## Several tools are available for hardware description languages. • Several of these tools can be used under Emacs, since Emacs has historically been used extensively by in the HDL development domain. • This table provides information about several of these tools: Language Servers: • list the various language servers, the implementation technology, the tools required to install them, their compatibility (if documented) and support for HDLs. • If there is important information that you should read, then there's a link to a separate document. Last updated on: 2025-09-15 verible hdl\_checker Language/Servers <u>veridian</u> svlangserver svls Server implemented in: Python Typescript, Javascript Rust C++ Rust Install with • Binaries • Binaries, • Pre-requisites: veribleverilatorOS binaries using snapcraft Nix build from source: • requires bazel 0 from source using cargo • to: ~/.cargo/bin requires bazel, C++17, Build from source • to: ~/.cargo/bin python3 homebrew to: \$(brew prefix)/Cellar/ verible/vxxx/bin where vxxx is the version number. built from source, macOS homebrew, macOS built from source, macOS Emacs requirements: **Emacs other** Emacs requirements: verilog-ext • See: hbl - Verilog verilog-ext • See: hbl - Verilog requirements • PEL installs it when pel- PEL installs it when use-verilog-ext user-option is on. pel-use-verilog-ext user-option is on. Compatible with Emacs 29.0.50 · Isp-mode Ventilator 4.110 IVerilator 10.2 Verible v0.0-114... **կ**ծն - Verilog ត្រូស្ - VHDL type checking slang <u>verible</u> verilator • C++ • pyslang: Python Implemented in C++ Build from source : use cmake. get/build pyslang Install with · Binaries, • See verilator installation Nix manual • <u>homebrew</u> • <u>homebrew</u> ก่อโ - Veriloa ត្រស្ - VHDL