

RISC-V Software Ecosystem

This page gives an overview of the RISC-V SW ecosystem.

The extension and feature support of the essential SW ecosystem can be found here: [RISC-V extension and feature support in the Open Source SW Ecosystem](#)

An overview about contributing to Toolchain and Runtimes related projects can be found here: [How to contribute to the RISC-V SW ecosystem](#)

The lists below link to the status of the RISC-V ports of various SW projects.

Toolchain Projects

- [Binutils](#)
- [GCC](#)
- [GDB](#)
- [Glibc](#)
- [LLVM](#)
- [Newlib](#)

Operating Systems

- [FreeBSD](#)
- [Linux](#)
- [OpenBSD](#)

Emulators and Simulators

- [QEMU](#)
- [Spike](#)

Language Runtimes

- [GHC](#)
- [Go](#)
- [OpenJDK](#)
- [PHP](#)
- [Rust](#)
- [Rust Embedded](#)
- [V8](#)

Libraries

- [gperftools/tcmalloc](#)
- [jemalloc](#)
- [OpenSSL](#)

Tools

- [OpenOCD](#)
- [Valgrind](#)

A much bigger, but less detailed and not maintained anymore, collection of SW in the RISC-V ecosystem can be found here: <https://github.com/riscv/riscv-software-list>