

Learn to Code with Rust

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What is Rust?

- Rust is a systems programming language.
- **Systems programming** refers a category of languages that are optimized for situations where resources (memory and CPU) are limited.
- Rust was developed by Graydon Hoare while working at Mozilla. It made its public debut in 2010.
- Rust can be setup on all modern operating systems (Windows, macOS, and Linux).

What can Rust build?

- Command line programs (CLIs)
- Build tools
- Device drivers
- Databases
- Programming languages
- Web applications
- Operating systems

Who uses Rust?

- Amazon Web Services (AWS)
- Microsoft
- Firefox web browser
- Discord

Why learn Rust?

- Build safe, fast, and efficient programs
- Understand new patterns of program design
- Master a language skyrocketing in popularity

Some Fun Tidbits

- StackOverflow's annual developer survey ranked Rust as the most loved developer language for 8 years straight.
- Twitter's/Square's Jack Dorsey called Rust "a perfect programming language".
- Rust developers are called Rustaceans (like "crustaceans").