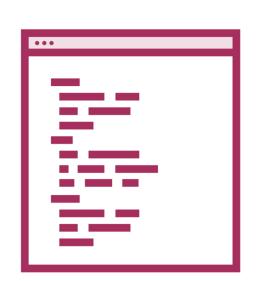
Crates and Modules

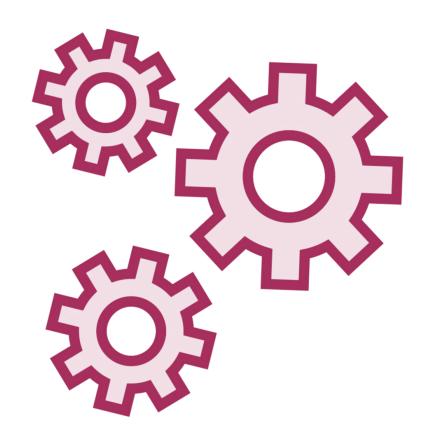


Edward Curren

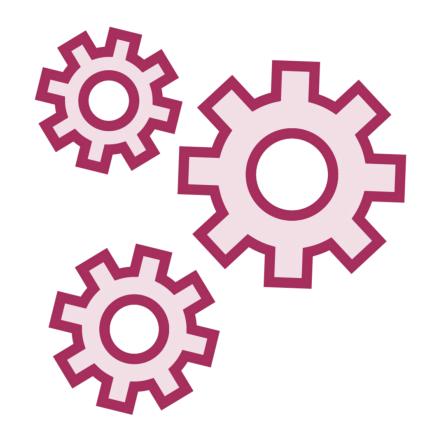
@EdwardCurren http://www.edwardcurren.com

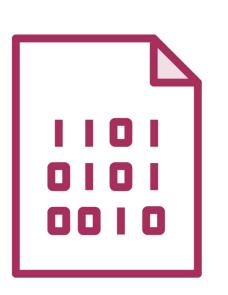


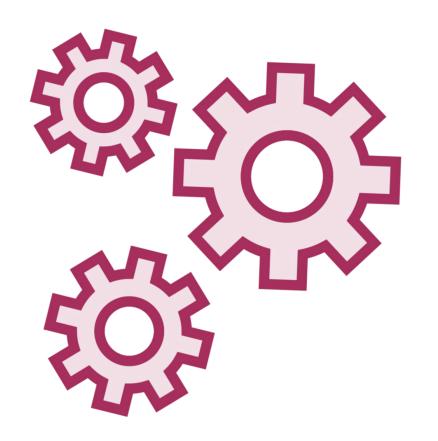




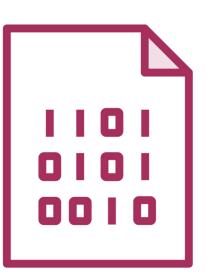


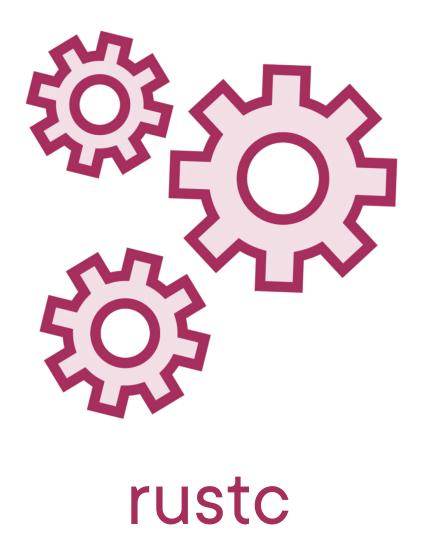




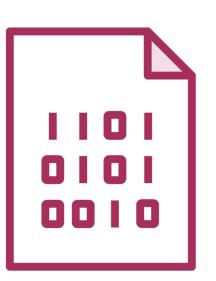


Crate





Crate

































































0.1.5

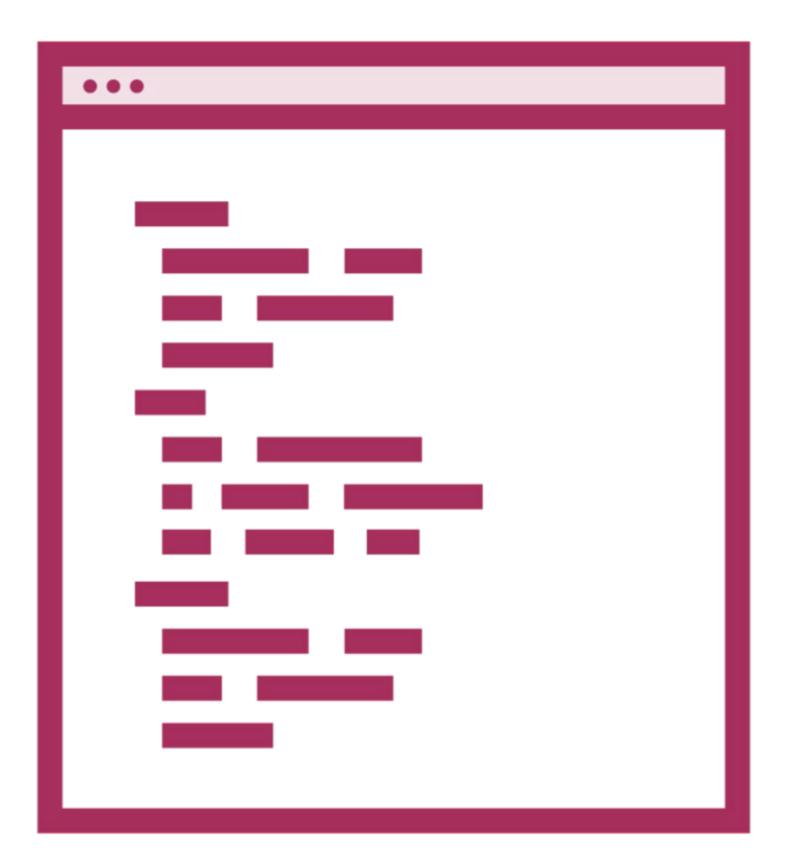
Overview

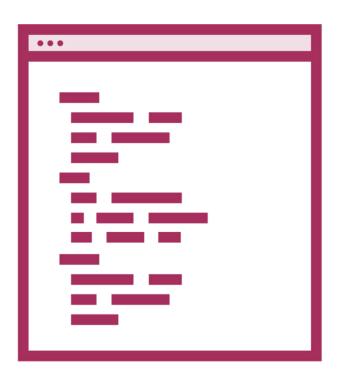


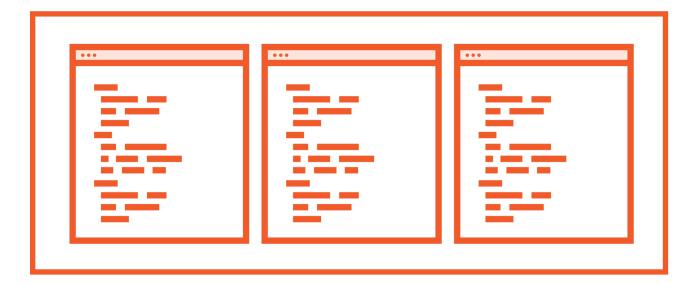
Code Modules

Cargo

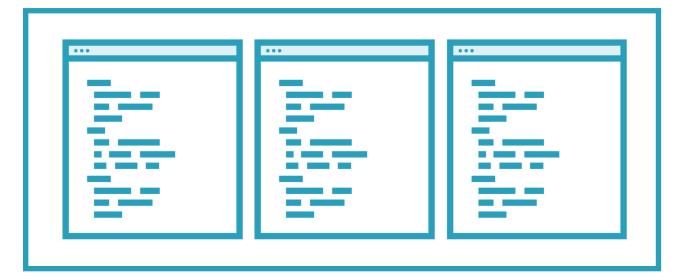
- cargo.toml
- Cargo commands
- Publishing packages







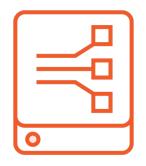




What Does Cargo Do?



Building the code



Project configuration



Dependency management



Publishing to a repository



Command Line Package Managers

.NET

Java

NodeJs

Docker

Python

nuget.org

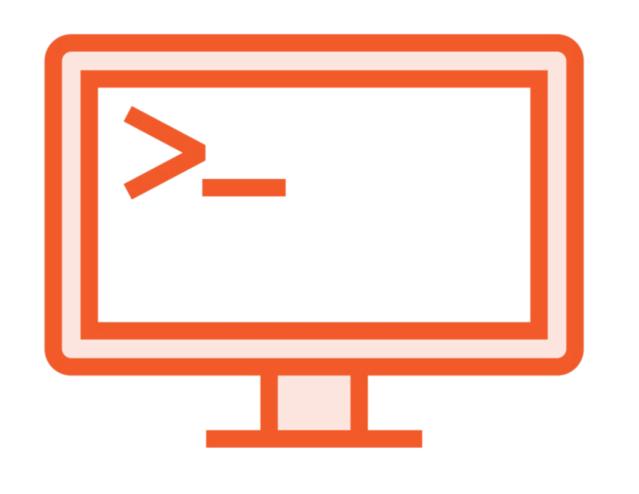
mvnrepository.org

npmjs.com

dockerhub.com

pypi.org

https://doc.rust-lang.org/cargo/commands/index.html



cargo bench

cargo build

cargo check

cargo clean

cargo doc

cargo fetch

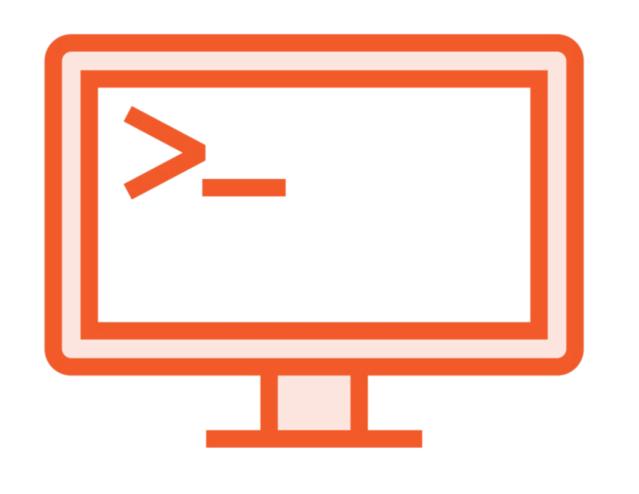
cargo fix

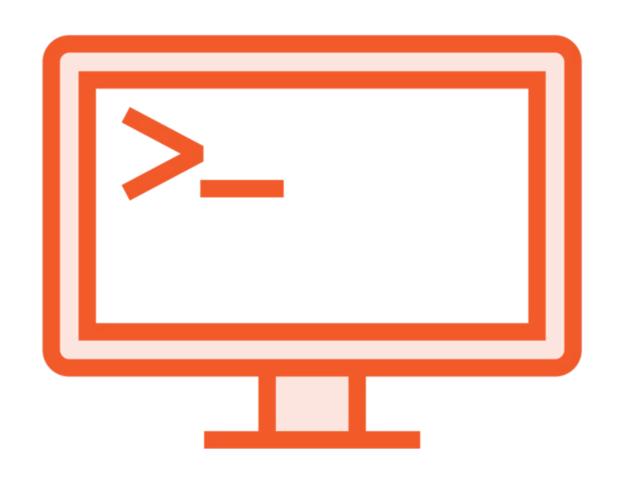
cargo run

cargo rustc

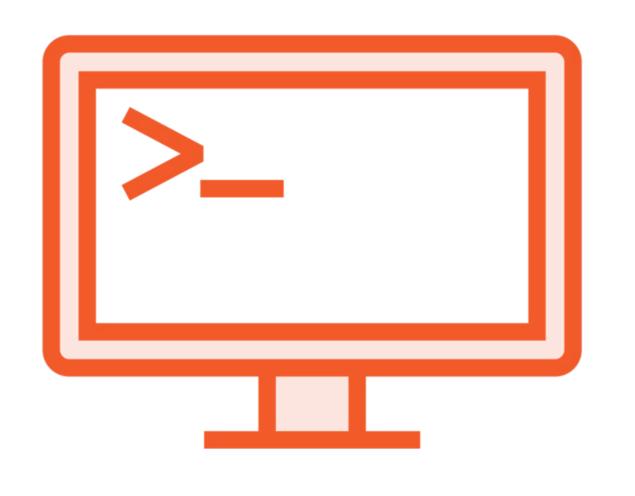
cargo rustdoc

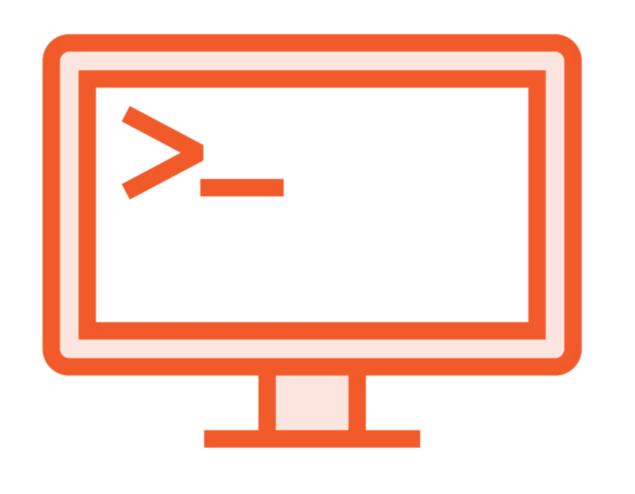
cargo test











cargo bench

cargo build

cargo check

cargo clean

cargo doc

cargo fetch

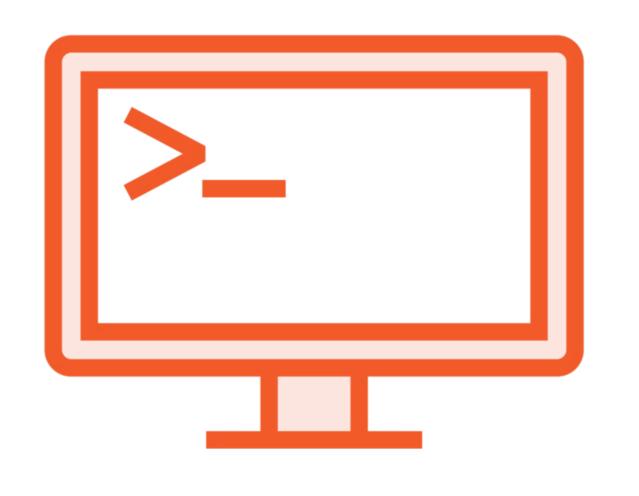
cargo fix

cargo run

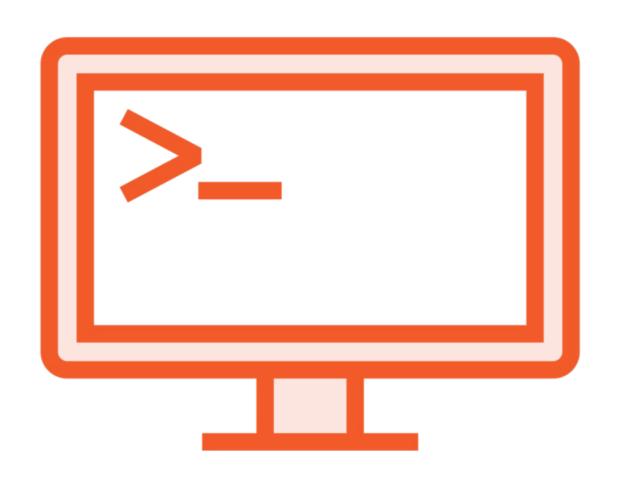
cargo rustc

cargo rustdoc

cargo test

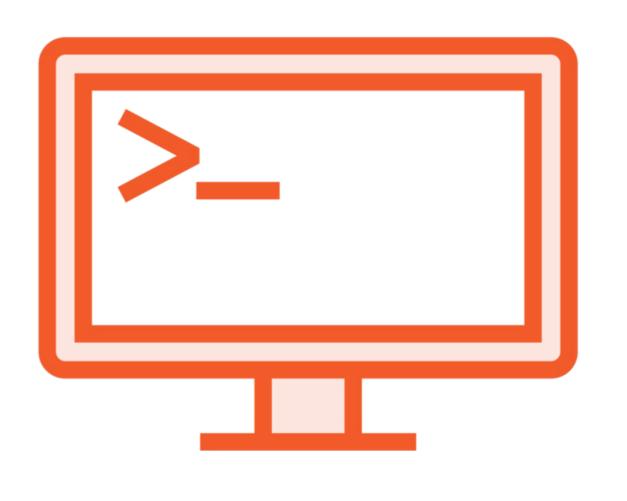


Package Commands



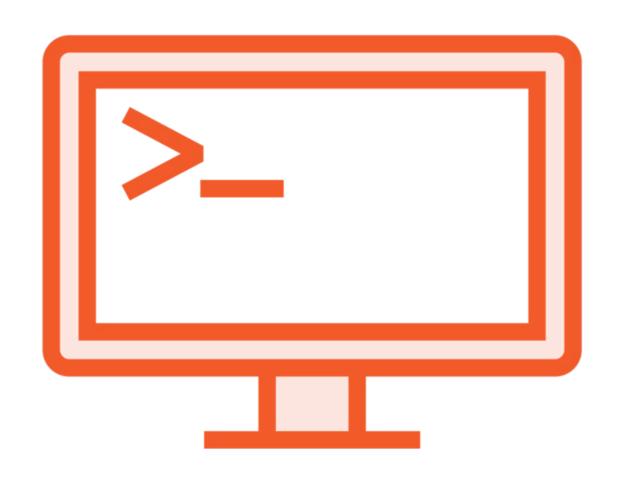
cargo init
cargo install
cargo new
cargo search
cargo uninstall

Package Commands



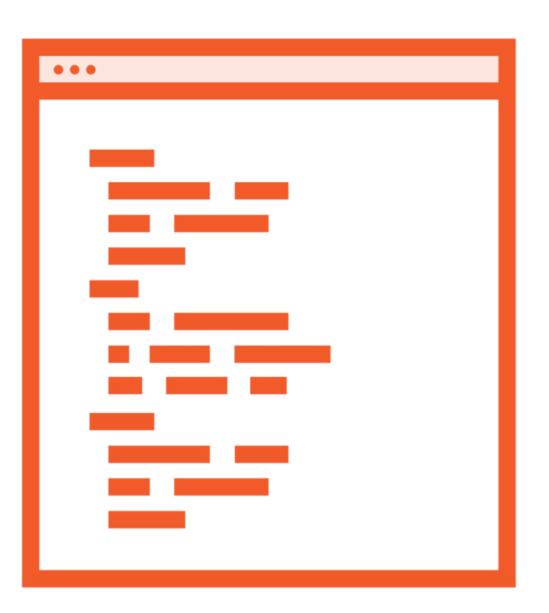
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cargo install
cargo new
cargo search
cargo uninstall

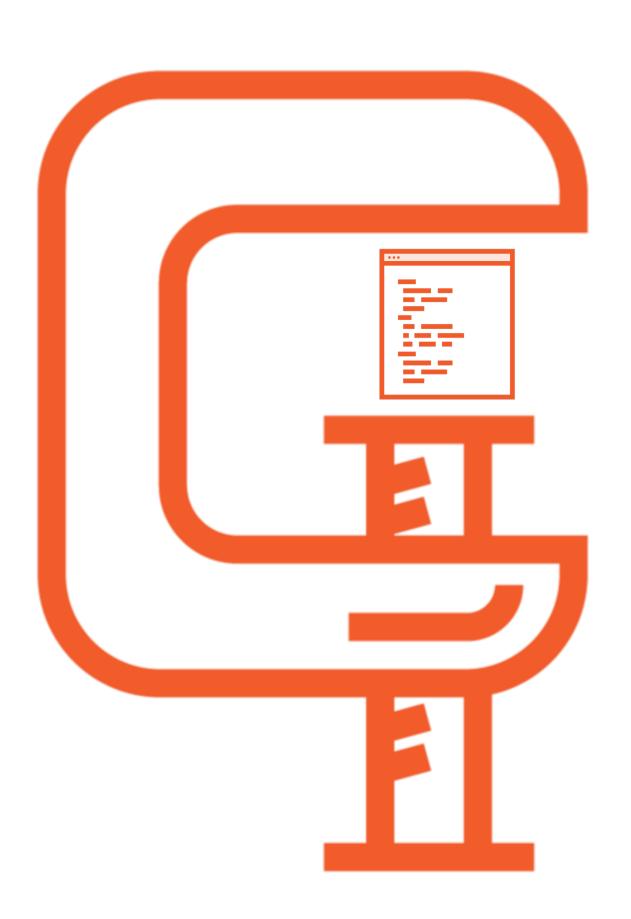
Package Commands



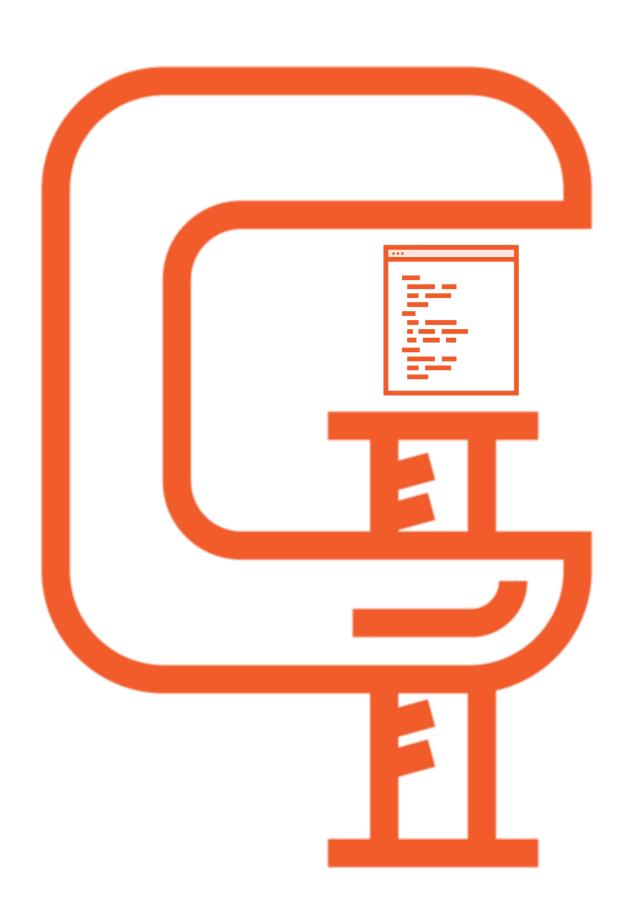
cargo init
cargo install
cargo new
cargo search
cargo uninstall











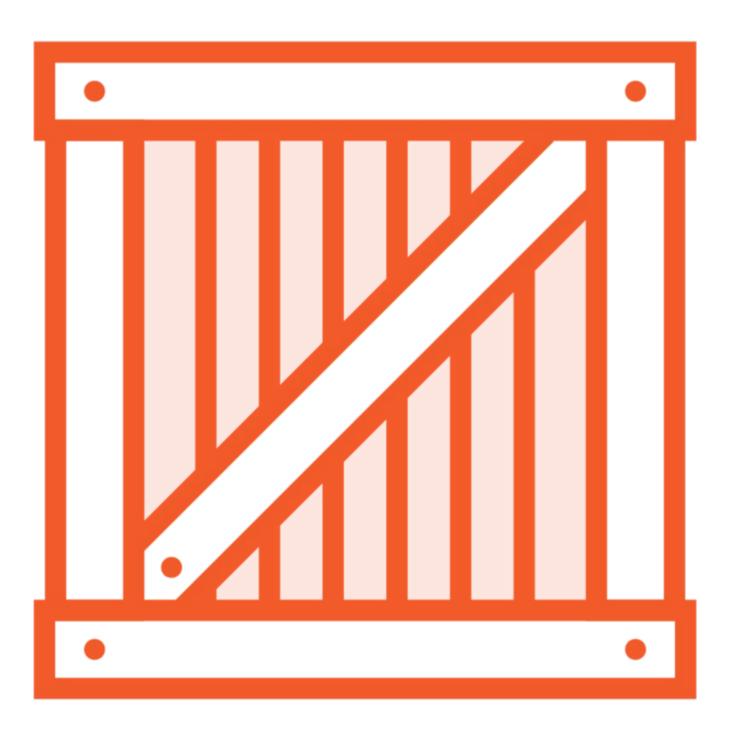












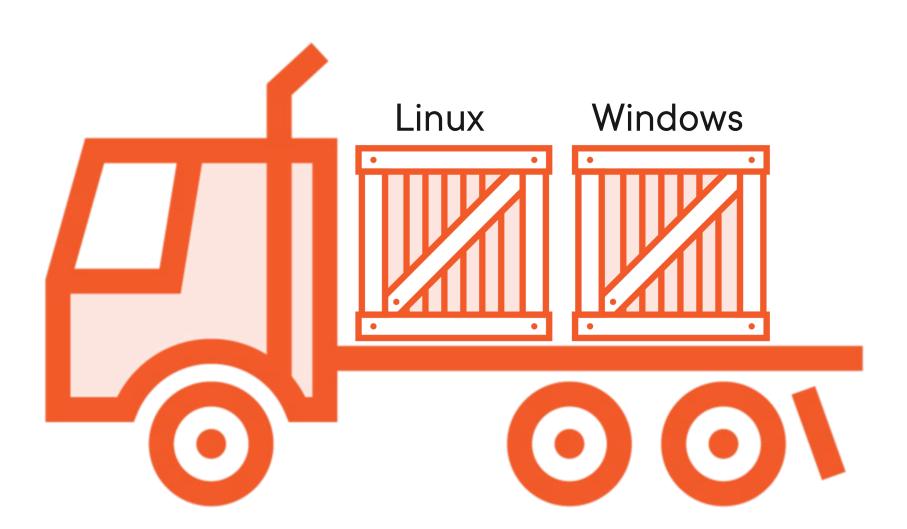




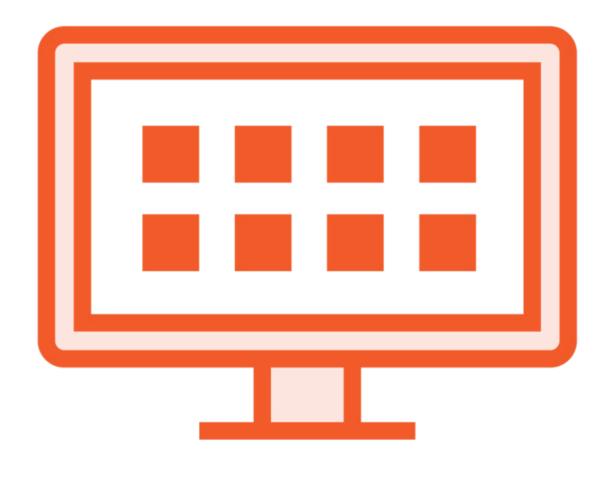






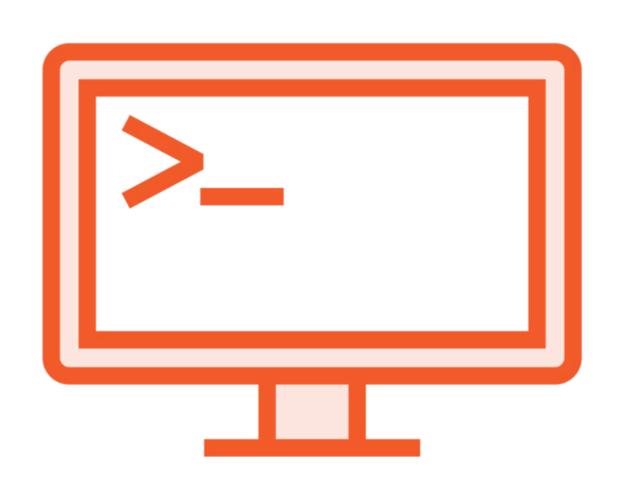


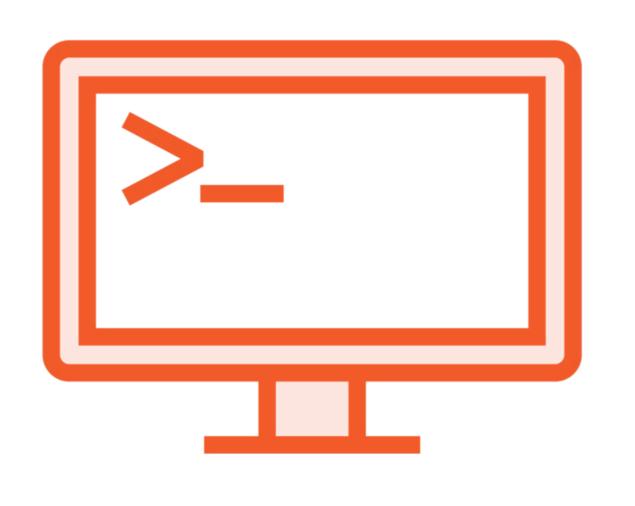
Private Package Registries

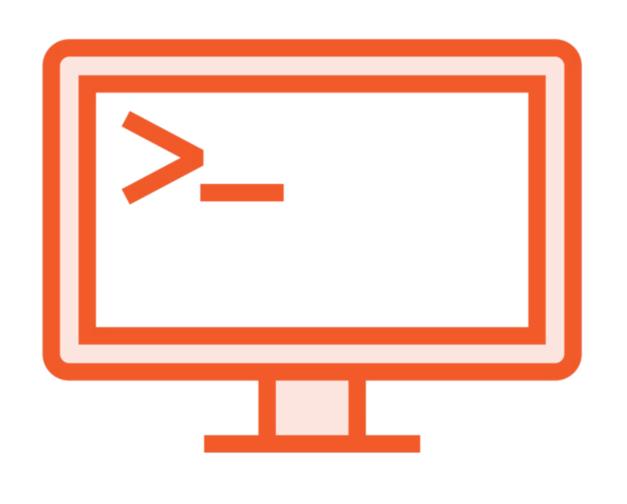


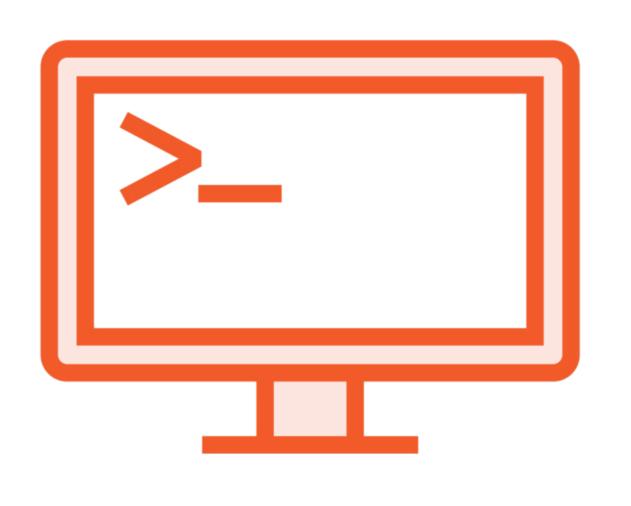
Private Package Registry

- https://www.infoq.com/news/2019/04/rust-1.34-additional-registries
- https://cloudsmith.com/resources/blog/worl ds-first-private-cargo-registry-withcloudsmith-rust
- https://www.satcube.com/private-hosting-of-rust-crates/









Summary



Cargo is a powerful tool that can be used beyond those aspects that we've looked at and can be used to automate your coding workflow.

We've covered the basics of structuring your codebase using modules. Using these tools is now more of an artform than science.

