

# Cargo

## publish crate

- cargo login crates.io-api-token
- cargo publish
- cargo yank --vers xxxx

## Cargo Features

减少编译时间 及 编译产物的大小

- Conditional Compile: 某个feature打开时才编译需要的code
- Define optional dependencies: 允许定义可选依赖定义

- ```
[package]
name = "draw"
version = "0.1.0"
edition = "2021"

# See more keys and their definitions at https://doc.rust-lang.org/cargo/reference/manifest.html

[dependencies]
serde = { version = "1.0", features = ["derive"], optional = true }
rgb = { version = "0.8.25", features = ["serde"], optional = true }

[features]
color = ["dep:rgb"]
shapes = ["color", "dep:serde", "rgb?/serde"]
```

```
[dependencies]
serde = { version = "1.0", features = ["derive"], optional = true }
rgb = { version = "0.8.25", features = ["serde"], optional = true }

[features]
default = ["color"]
color = ["dep:rgb"]
shapes = ["color", "dep:serde", "rgb?/serde"]
```

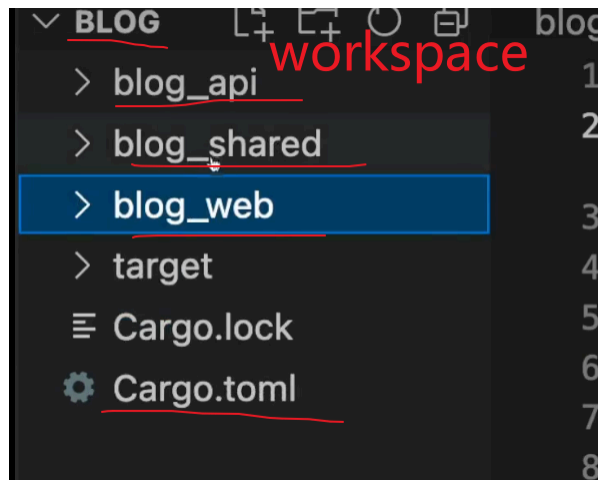
```

}
#[cfg(feature = "color")]
pub mod color {
    pub use rgb::RGB;

    pub fn draw_line(x: i32, y: i32, color: &RGB<u16>) {
        println!("{color}")
        // draw line with color
    }
}

```

## Workspace



- `cargo new --vcs none package-name`
- `cargo build -p specific-package-name-of-a-workspace`
- package之间依赖

