📅 ATUALIZADO EM 7 DE FEVEREIRO DE 2024

Como Compilar Programas Go para Windows, macOS e Linux

Os programas Go podem ser facilmente compilados para vários sistemas operacionais, como Windows, macOS e Linux usando $GOARCH$ e $GOOS$ variáveis de ambiente, que denotar a arquitetura e o SO de destino, respectivamente.

Por padrão, eles são definidos para sua arquitetura systemilitis ($GOHOSTARCH$) e OS ($GOHOSTOS$):

```
comando
$ go env
```

```
saída
. . .
GOARCH="amd64"
GOHOSTARCH="amd64"
GOHOSTOS="linux"
GOOS="linux"
. . .
```

Cross-compile Ir para Windows

Você pode compilar o Go para máquinas Windows de 64 bits com:

```
comando
$ GOOS=windows GOARCH=amd64 go build -o bin/app-amd64.exe app.go
```

Para 32 bits, altere $GOARCH$ 386:

```
saída
GOOS=windows GOARCH=386 go build -o bin/app-386.exe app.go
```

Compilação cruzada Go for macOS

Usar $GOOS=darwin$ para macOS, aplicável para 64 bits e 32 bits:

```
comando
$ GOOS=darwin GOARCH=amd64 go build -o bin/app-amd64-darwin app.go  # 64-bit
```

```
comando
$ GOOS=darwin GOARCH=386 go build -o bin/app-386-darwin app.go  # 32-bit
```

Para Macs baseados em Braço (Apple Silicon), fornecimento $GOARCH=arm64$:

```
comando
$ GOOS=darwin GOARCH=arm64 go build -o bin/app-arm64-darwin app.go  # Apple Silicon
```

Cross-compile Ir para Linux

Para criar seus programas Go para Linux, especifique $GOOS=linux$:

```
comando
$ GOOS=linux GOARCH=amd64 go build -o bin/app-amd64-linux app.go  # 64-bit
```

```
comando
$ GOOS=linux GOARCH=386 go build -o bin/app-386-linux app.go  # 32-bit
```

Compilação cruzada para outras plataformas

Go suporta muitas outras combinações de SO e CPU. Use o comando abaixo para visualizar todos eles:

```
comando
$ go tool dist list
```

Este comando lista combinações em $GOOS/GOARCH$ formato, assim:

```
saída
```

```
aix/ppc64
android/386
android/amd64
android/arm
android/arm64
darwin/amd64
darwin/arm64
dragonfly/amd64
freebsd/386
freebsd/amd64
freebsd/arm
freebsd/arm64
freebsd/riscv64
illumos/amd64
ios/amd64
ios/arm64
js/wasm
linux/386
linux/amd64
linux/arm
linux/arm64
linux/loong64
linux/mips
linux/mips64
linux/mips64le
linux/mipsle
linux/ppc64
linux/ppc64le
linux/riscv64
linux/s390x
netbsd/386
netbsd/amd64
netbsd/arm
netbsd/arm64
openbsd/386
openbsd/amd64
openbsd/arm
openbsd/arm64
plan9/386
plan9/amd64
plan9/arm
solaris/amd64
wasip1/wasm
windows/386
windows/amd64
windows/arm
windows/arm64
```

Você pode então escolher os valores relevantes para a plataforma em que você está interessado e cross-compile como antes:

```
comando
$ GOOS=android GOARCH=arm64 go build -o bin/app-arm64-android app.go  # Android
```

Obrigado pela leitura e codificação feliz!

#golang

Freshman

Como processar uploads de arquivos em Go

This article will teach you how you can upload single or multiple files to a Golang web server, and show progress reporting on file uploads

How to work with Data Types in Go

This article will take you through the various basic data types in Go, the operations that can be done on these types, and how to convert …

Working with Variables in Go

In this article, we'll cover some variable basics and best practices for using them within Go programs.

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I'm Ayo, a Software Developer by trade. I have a keen interest in a variety of topics such as Web performance, TypeScript, and the Go programming language. In my spare time, I enjoy sports, books and photography.

Freshman is my personal tech blog where I share articles, tutorials, and tips on diverse topics across the software development landscape. If you enjoy the
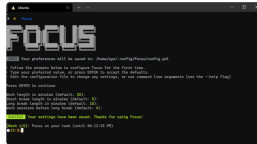
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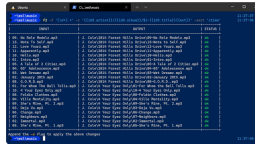
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Focus is a cross-platform productivity timer for the command line. It is based on the Pomodoro Technique, a time management method developed by Francesco Cirillo in the late 1980s.

F2 is a cross-platform command-line tool for batch renaming files and directories. It offers a comprehensive set of options and prioritises correctness and safety while renaming.

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