1. 编译环境:

macbook

1. go版本:

从go官网直接下载的mac版安装程序,版本是go1.5

1. 前提:

在~/.bash\_profile 中配置好GOPATH环境变量

export GOPATH=/Users/fredlee/Documents/开发/go/workspace

export PATH=$GOPATH/bin:$PATH

1. 默认编译平台

go env 查看GOOS, GOARCH环境变量,当执行go build project, 编译出能在GOOS, GOARCH环境变量下运行的程序

1. 交叉编译出常见平台程序

比如在GOPATH下有一个hello项目

目标系统是32为,GOARCH=386, 如果是64位,GOARCH=amd64

* 1. window

env GOOS=windows GOARCH=amd64 go build hello

* 1. linux

env GOOS=linux GOARCH=386 go build hello

* 1. andoird

env GOOS=linux GOARCH=arm64 GOARM=6 go build hello

查看目标程序属性

file xpi-www

1. 交叉编译支持的所有平台

The name of the target operating system and compilation architecture. These default to the values of $GOHOSTOSand $GOHOSTARCH respectively (described below).

Choices for $GOOS are darwin (Mac OS X 10.7 and above and iOS), dragonfly, freebsd, linux, netbsd,openbsd, plan9, solaris and windows. Choices for $GOARCH are amd64 (64-bit x86, the most mature port), 386(32-bit x86), arm (32-bit ARM), arm64 (64-bit ARM), ppc64le (PowerPC 64-bit, little-endian), and ppc64(PowerPC 64-bit, big-endian). The valid combinations of $GOOS and $GOARCH are:

|  |  |  |
| --- | --- | --- |
|  | **$GOOS** | **$GOARCH** |
|  | darwin | 386 |
|  | darwin | amd64 |
|  | darwin | arm |
|  | darwin | arm64 |
|  | dragonfly | amd64 |
|  | freebsd | 386 |
|  | freebsd | amd64 |
|  | freebsd | arm |
|  | linux | 386 |
|  | linux | amd64 |
|  | linux | arm |
|  | linux | arm64 |
|  | linux | ppc64 |
|  | linux | ppc64le |
|  | netbsd | 386 |
|  | netbsd | amd64 |
|  | netbsd | arm |
|  | openbsd | 386 |
|  | openbsd | amd64 |
|  | openbsd | arm |
|  | plan9 | 386 |
|  | plan9 | amd64 |
|  | solaris | amd64 |
|  | windows | 386 |
|  | windows | amd64 |