



Rocky Enterprise Linux 9.2 Manual Pages on command 'go-path.7'

C:\>man go-path.7

GO-PATH(7) Miscellaneous Information Manual GO-PATH(7)

NAME

go - tool for managing Go source code

DESCRIPTION

The Go path is used to resolve import statements. It is implemented by and documented in the go/build package.

The GOPATH environment variable lists places to look for Go code. On Unix, the value is a colon-separated string. On Windows, the value is a semicolon-separated string. On Plan 9, the value is a list.

GOPATH must be set to build and install packages outside the standard Go tree.

Each directory listed in GOPATH must have a prescribed structure:

The src/ directory holds source code. The path below 'src' determines the import path or executable name.

The pkg/ directory holds installed package objects. As in the Go tree, each target operating system and architecture pair has its own subdirectory of pkg (pkg/GOOS_GOARCH).

If DIR is a directory listed in the GOPATH, a package with source in DIR/src/foo/bar can be imported as "foo/bar" and has its compiled form installed to "DIR/pkg/GOOS_GOARCH/foo/bar.a".

The bin/ directory holds compiled commands. Each command is named for its source directory, but only the final element, not the entire path. That is, the command with source in DIR/src/foo/quux is installed into DIR/bin/quux, not

DIR/bin/foo/quux. The foo/ is stripped so that you can add DIR/bin to your PATH to get at the installed commands. If the GOBIN environment variable is set, commands are installed to the directory it names instead of DIR/bin.

Here's an example directory layout:

```
GOPATH=/home/user/gocode
/home/user/gocode/
src/
  foo/
    bar/      (go code in package bar)
      x.go
    quux/     (go code in package main)
      y.go
  bin/
    quux      (installed command)
  pkg/
    linux_amd64/
      foo/
        bar.a  (installed package object)
```

Go searches each directory listed in GOPATH to find source code, but new packages are always downloaded into the first directory in the list.

AUTHOR

This manual page was written by Michael Stapelberg <stapelberg@debian.org>, for the Debian project (and may be used by others).

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