

NAME

go – tool for managing Go source code

SYNOPSIS

go list [**-e**] [**-f** *format*] [**-json**] [*packages*]

DESCRIPTION

List lists the packages named by the import paths, one per line.

The default output shows the package import path:

```
code.google.com/p/google-api-go-client/books/v1
code.google.com/p/goauth2/oauth
code.google.com/p/sqlite
```

OPTIONS

-f The **-f** flag specifies an alternate format for the list, using the syntax of package template. The default output is equivalent to **-f** '{.ImportPath}'. The struct being passed to the template is:

```
type Package struct {
    Dir          string // directory containing package sources
    ImportPath    string // import path of package in dir
    Name          string // package name
    Doc           string // package documentation string
    Target        string // install path
    Goroot        bool   // is this package in the Go root?
    Standard      bool   // is this package part of the standard Go library
    Stale         bool   // would 'go install' do anything for this package
    Root          string // Go root or Go path dir containing this package

    // Source files
    GoFiles []string // .go source files (excluding CgoFiles, TestGoFiles)
    CgoFiles []string // .go sources files that import "C"
    CFiles   []string // .c source files
    HFiles   []string // .h source files
    SFiles   []string // .s source files
    SysoFiles []string // .syso object files to add to archive

    // Cgo directives
    CgoCFLAGS []string // cgo: flags for C compiler
    CgoLDFLAGS []string // cgo: flags for linker
    CgoPkgConfig []string // cgo: pkg-config names

    // Dependency information
    Imports []string // import paths used by this package
    Deps    []string // all (recursively) imported dependencies

    // Error information
    Incomplete bool // this package or a dependency has an error
    Error       *PackageError // error loading package
    DepsErrors  []*PackageError // errors loading dependencies

    TestGoFiles []string // _test.go files in package
    TestImports []string // imports from TestGoFiles
    XTestGoFiles []string // _test.go files outside package
```

```
        XTestImports []string // imports from XTestGoFiles
    }
```

- json** The `-json` flag causes the package data to be printed in JSON format instead of using the template format.
- e** The `-e` flag changes the handling of erroneous packages, those that cannot be found or are malformed. By default, the `list` command prints an error to standard error for each erroneous package and omits the packages from consideration during the usual printing. With the `-e` flag, the `list` command never prints errors to standard error and instead processes the erroneous packages with the usual printing. Erroneous packages will have a non-empty `ImportPath` and a non-nil `Error` field; other information may or may not be missing (zeroed).

For more about specifying packages, see **go-packages(7)**.

AUTHOR

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