



Linux Ubuntu 26.04 Manual Pages on command 'go-run.1'

\$ man go-run.1

GO-RUN(1) Go programming tools and commands GO-RUN(1)

NAME

go-run - compile and run Go program

SYNOPSIS

go run [build flags] [-exec xprog] package [arguments...]

DESCRIPTION

Run `go run` compiles and runs the named main Go package. Typically the package is specified as a list of `.go` source files from a single directory, but it may also be an `import` path, file system path, or pattern matching a single known package, as in ``go run .'`` or ``go run my/cmd'`.`

If the package argument has a version suffix (like `@latest` or `@v1.0.0`), `?go run?` builds the program in module-aware mode, ignoring the `go.mod` file in the current directory or any parent directory, if there is one. This is useful for running programs without affecting the dependencies of the main module.

If the package argument doesn't have a version suffix, `?go run?` may run in module-aware mode or `GOPATH` mode, depending on the `GO111MODULE` environment variable and the presence of a `go.mod` file. See ``go help modules'` for details. If module-aware mode is enabled, `?go run?` runs in the context of the main module.

By default, ``go run'` runs the compiled binary directly: ``a.out arguments...'`.`

If the `-exec` flag is given, ``go run'` invokes the binary using `xprog`:

If the `-exec` flag is not given, `GOOS` or `GOARCH` is different from the system default, and a program named `go_GOOS_GOARCH_exec` can be found on the current search path, ``go run'` invokes

the binary using that program, for example ``go_js_wasm_exec a.out arguments...'`. This allows execution of cross-compiled programs when a simulator or other execution method is available.

By default, ``go run'` compiles the binary without generating the information used by debuggers, to reduce build time. To include debugger information in the binary, use ``go build'`.

The exit status of `Run` is not the exit status of the compiled binary.

For more about build flags, see ``go help build'`. For more about specifying packages, see ``go help packages'`.

SEE ALSO

`go build(1)`.

AUTHOR

This manual page was created using `help2man` and afterwards updating the output. It is maintained by the Debian Go Compiler Team <team+go-compiler@tracker.debian.org> for the Debian project (and may be used by others).

Go 1.26

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