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cmd/go: trust layer bypass when using cgo and SWIG #78335

Closed

Labels

NeedsFixSecurityrelease-blockervulncheck or vulndb

Milestone

Go1.27

neild opened last month · edited by dr2chase

Edits ▾

Contributor ⋮

A well-crafted SWIG source file could take advantage of a file-naming convention used inside the trust boundary of the cgo compiler. Doing so could result in arbitrary code execution during build time.

SWIG files are disallowed from using this convention.

Thank you to Juho Forsén of Mattermost for reporting this issue.

This is [CVE-2026-27140](#) and Go issue <https://go.dev/issue/78335>.

This is a PRIVATE issue for [CVE-2026-27140](#), tracked in <http://b/479232126> and fixed by <https://go-internal-review.git.corp.google.com/c/go/+3520>.

/cc @golang/security and @golang/release



neild added this to the [Go1.27](#) milestone [last month](#)




neild added Security release-blocker [last month](#)

 **gabyhelp** added **vulncheck or vuln...** [last month](#)

 **dmitshur** added **NeedsFix** [last month](#)

 **neild** 3 weeks ago Contributor Author ...


@gopherbot please open backport issues for this security fix

 **gopherbot** mentioned this [3 weeks ago](#)
✓ [security: fix CVE-2026-27140 \[1.25 backport\] #78421](#)

 **gopherbot** 3 weeks ago Contributor ...

Backport issue(s) opened: [#78421](#) (for 1.25), [#78422](#) (for 1.26).

Remember to create the cherry-pick CL(s) as soon as the patch is submitted to master, according to <https://go.dev/wiki/MinorReleases>.

 **gopherbot** mentioned this [3 weeks ago](#)
✓ [security: fix CVE-2026-27140 \[1.26 backport\] #78422](#)

 **gopherbot** 2 weeks ago Contributor ...

Change <https://go.dev/cl/763549> mentions this issue: `[release-branch.go1.26] cmd/go: disallow cgo trust boundary bypass`

 **gopherbot** 2 weeks ago Contributor ...

Change <https://go.dev/cl/763556> mentions this issue: `[release-branch.go1.25] cmd/go: disallow cgo trust boundary bypass`

 **gopherbot** added 2 commits that reference this issue [2 weeks ago](#)


`[release-branch.go1.25] cmd/go: disallow cgo trust boundary bypass` ...

 [abaa0cb](#)

`[release-branch.go1.26] cmd/go: disallow cgo trust boundary bypass` ...



 [096f21b](#)



  **dr2chase** changed the title ~~security: fix CVE-2026-27140~~ cmd/go: trust layer bypass when using cgo and SWIG 2 weeks ago

 **gopherbot** 2 weeks ago


Contributor ...

Change <https://go.dev/cl/763768> mentions this issue: cmd/go: disallow cgo trust boundary bypass

  **gopherbot** closed this as completed in [22f65d3](#) 2 weeks ago

  **pull** added a commit that references this issue 2 weeks ago

cmd/go: disallow cgo trust boundary bypass ...

 22f65d3

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Metadata

Assignees

No one assigned

Labels

NeedsFix

Security

release-blocker

vulncheck or vulndb

Type

No type

Projects

No projects

Milestone

 **Go1.27**

No due date

Relationships

None yet

Development

No branches or pull requests

Participants

