

golang / go Public

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New issue



# net/http, x/net/proxy, x/net/http/httpproxy: proxy bypass using IPv6 zone IDs #71984

Closed

Labels

FrozenDueToAge

NeedsFix

Security

vulncheck or vulndb

Milestone

Go1.25



neild opened on Feb 26, 2025 · edited by JunyangShao

Edits ▾

Contributor



Matching of hosts against proxy patterns could improperly treat an IPv6 zone ID as a hostname component. For example, when the NO\_PROXY environment variable was set to "\*.example.com", a request to "[::1%25.example.com]:80` would incorrectly match and not be proxied.

Thanks to Juho Forsén of Mattermost for reporting this issue.

This is [CVE-2025-22870](#)

/cc @golang/security and @golang/release



neild on Feb 26, 2025

Contributor

Author



[@gopherbot](#) please open backport issues for this security fix




gopherbot on Feb 26, 2025

Contributor




Backport issue(s) opened: [#71985](#) (for 1.23), [#71986](#) (for 1.24).

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 in 2 issues on Feb 26, 2025


 [security: fix CVE-2025-22870 \[1.23 backport\] #71985](#)


 [security: fix CVE-2025-22870 \[1.24 backport\] #71986](#)

  **gabyhelp** added **vulncheck or vuln...** on Feb 26, 2025

  **dmmitshur** added **Security** **NeedsFix** on Feb 27, 2025


  **dmmitshur** added this to the **Go1.25** milestone on Feb 27, 2025

  **JunyangShao** changed the title ~~security: fix CVE-2025-22870~~ net/http, x/net/proxy, x/net/http/httpproxy: proxy bypass using IPv6 zone IDs on Mar 4, 2025

 gopherbot on Mar 4, 2025


Contributor ...

Change <https://go.dev/cl/654717> mentions this issue: `all: update golang.org/x/net`

 gopherbot on Mar 4, 2025



Contributor ...

Change <https://go.dev/cl/654795> mentions this issue: `[release-branch.go1.24] all: updates vendored x/net`

 gopherbot on Mar 4, 2025

Contributor ...

Change <https://go.dev/cl/654796> mentions this issue: `[release-branch.go1.23] all: updates vendored x/net`

  **gopherbot** added 3 commits that reference this issue on Mar 4, 2025

`[release-branch.go1.24] all: updates vendored x/net` ... e4119e9

`[release-branch.go1.23] all: updates vendored x/net` ... 45aade7

`all: update golang.org/x/net` ... 3705a6f

26 remaining items

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### Metadata

#### Assignees

No one assigned

#### Labels

FrozenDueToAge

NeedsFix

Security

vulncheck or vulndb

#### Type

No type

#### Projects

No projects

#### Milestone

**Go1.25**

Closed on Aug 12, 2025, 99% complete

#### Relationships

None yet

#### Development

No branches or pull requests

#### Participants



