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# Vulnerability Report: GO-2025-3503 standard library

Affects: [net/http](#), [golang.org/x/net](#) | Published: Mar 12, 2025 | Modified: Apr 16, 2026

Matching of hosts against proxy patterns can improperly treat an IPv6 zone ID as a hostname component. For example, when the `NO_PROXY` environment variable is set to `"*.example.com"`, a request to `"[::1%25.example.com]:80` will incorrectly match and not be proxied.`

## Affected Packages

Path [net/http](#)  
Go before go1.23.7, from go1.24.0-0 before go1.24.1  
Versions  
Symbols [ProxyFromEnvironment](#)

Path [golang.org/x/net/http/httpproxy](#)  
Go before v0.36.0  
Versions  
Symbols ▶ 2 unexported affected symbols

Path [golang.org/x/net/proxy](#)  
Go before v0.36.0  
Versions  
Symbols ▶ 6 affected symbols

## Aliases

[CVE-2025-22870](#)

[GHSA-qxp5-gwg8-xv66](#)

## References

<https://go.dev/cl/654697>

<https://go.dev/issue/71984>

<https://groups.google.com/g/golang-announce/c/4t3IzH3I0eI/m/b42ImqrBAQAJ>

<https://vuln.go.dev/ID/GO-2025-3503.json>

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