CVE-2023-28113

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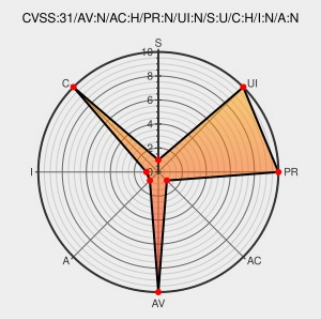
CVE-2023-28113 - advisory for GHSA-cqvm-j2r2-hwpg

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Russh from Russh Project contain the following vulnerability:

russh is a Rust SSH client and server library. Starting in version 0.34.0 and prior to versions 0.36.2 and 0.37.1, Diffie-Hellman key validation is insufficient, which can lead to insecure shared secrets and therefore breaks confidentiality. Connections between a russh client and server or those of a russh peer with some other misbehaving peer are most likely to be problematic. These may vulnerable to eavesdropping. Most other implementations reject such keys, so this is mainly an interoperability issue in such a case. This issue is fixed in versions 0.36.2 and 0.37.1

CVE-2023-28113 has been assigned by security-advisories@github.com to track the vulnerability

Affected Vendor/Software: **warp-tech** - **russh** version **>= 0.34.0**

Affected Vendor/Software: **warp-tech** - **russh** version **< 0.36.2**

Affected Vendor/Software: **warp-tech** - **russh** version **>= 0.37.0**

Affected Vendor/Software: **warp-tech** - **russh** version **< 0.37.1**

CVE References

Description	Tags	Link
Release v0.36.2 · warp-tech/russh · GitHub	github.com text/html	MISC github.com/warp-tech/russh/releases/tag/v0.36.2
Release v0.37.1 · warp-tech/russh · GitHub	github.com text/html	MISC github.com/warp-tech/russh/releases/tag/v0.37.1
russh/groups.rs at master · warp-tech/russh · GitHub	github.com text/html	MISC github.com/warp-tech/russh/blob/master/russh/src/kex/dh/groups.rs#L72-L76
russh may use insecure Diffie-Hellman keys · Advisory · warp-tech/russh · GitHub	github.com text/html	CONFIRM github.com/warp-tech/russh/security/advisories/GHSA-cqvm-j2r2-hwpg
GHSA-cqvm-j2r2-hwpg validate DH key range · warp-tech/russh@d831a37 · GitHub	github.com text/html	MISC github.com/warp-tech/russh/commit/d831a3716d3719dc76f091fcea9d94bd4ef97c6e

russh/groups.rs at master · warp-tech/russh · GitHub	github.com text/html	MISC github.com/warp-tech/russh/blob/master/russh/src/kex/dh/groups.rs#L78-L81

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Russh Project	Russh	All	All	All	All
Application	Russh Project	Russh	0.37.0	-	All	All
Application	Russh Project	Russh	0.37.0	beta1	All	All

cpe:2.3:a:russh_project:russh:*:*:*:*:*:rust:*:*:

cpe:2.3:a:russh_project:russh:0.37.0:-:*:*:*:rust:*:*:

cpe:2.3:a:russh_project:russh:0.37.0:beta1:*:*:*:rust:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2023-28113 : russh is a Rust SSH client and server library. Starting in version 0.34.0 and prior to versions 0.… twitter.com/i/web/status/1…	2023-03-16 21:15:39
/r/netcve	CVE-2023-28113	2023-03-16 21:38:55

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