CVE-2023-25564

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CVE-2023-25564 - advisory for GHSA-r85x-q5px-9xfq

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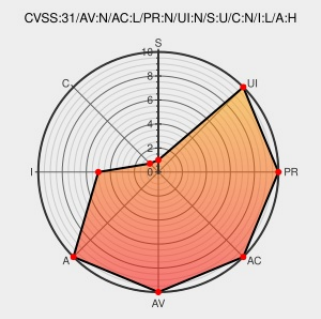

Certain versions of Gss-ntlmssp from Gss-ntlmssp Project contain the following vulnerability:

GSS-NTLMSSP is a mechglue plugin for the GSSAPI library that implements NTLM authentication. Prior to version 1.2.0, memory corruption can be triggered when decoding UTF16 strings. The variable `outlen` was not initialized and could cause writing a zero to an arbitrary place in memory if `ntlm_str_convert()` were to fail, which would leave `outlen` uninitialized. This can lead to a denial of service if the write hits unmapped memory or randomly corrupts a byte in the application memory space. This vulnerability can trigger an out-of-bounds write, leading to memory corruption. This vulnerability can be triggered via the main `gss_accept_sec_context` entry point. This issue is fixed in version 1.2.0.

CVE-2023-25564 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **gssapi** - **gss-ntlmssp** version **= < 1.2.0**

CVSS3 Score: 8.2 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	NONE	LOW	HIGH

CVE References

Description	Tags	Link
Release Patched several CVEs reported by GitHub Security Lab · gssapi/gss-ntlmssp · GitHub	github.com text/html	MISC github.com/gssapi/gss-ntlmssp/releases/tag/v1.2.0
GHSL-2023-013: Memory corruption decoding UTF16 · gssapi/gss-ntlmssp@c753000 · GitHub	github.com text/html	MISC github.com/gssapi/gss-ntlmssp/commit/c753000eb31835c0664e528fbc99378ae0cbe950

Memory corruption when decoding UTF16 strings · Advisory · gssapi/gss-ntlmssp · GitHub	github.com text/html	MISC github.com/gssapi/gss-ntlmssp/security/advisories/GHSA-r85x-q5px-9xfq

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Related QID Numbers

160669 Oracle Enterprise Linux Security Update for gssntlmssp (ELSA-2023-3097)

183524 Debian Security Update for gss-ntlmssp (CVE-2023-25564)

241488 Red Hat Update for gssntlmssp (RHSA-2023:3097)

283735 Fedora Security Update for gssntlmssp (FEDORA-2023-cb63c0f615)

378651 Alibaba Cloud Linux Security Update for gssntlmssp (ALINUX3-SA-2023:0068)

941109 AlmaLinux Security Update for gssntlmssp (ALSA-2023:3097)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Gss-ntlmssp Project	Gss-ntlmssp	All	All	All	All

cpe:2.3:a:gss-ntlmssp_project:gss-ntlmssp:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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