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## CVE

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Descrip

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is FAQ

## Descr

The AP

**Required Cookies only** will set your cookie preferences to "Required Cookies" only. This will prevent our partners from collecting and using this data but may also prevent us from providing you a personalized web experience and more relevant ads on third party websites. Cookie preferences will provide further information and allow you to customize your cookie settings. Setting your cookie preferences to "Required Cookies only" will opt you out of "sales" and "targeted advertising".

to this

function

ssh\_pr

provided

Clearing your browser cookies may delete your cookie preferences. If you re-visit this site after clearing browser cookies, you will need to reset your preferences at that time. If you have set your browser's global privacy settings, provided by the calling application:

The function is also used internally in the gssapi code for logging the OIDs received by the server during GSSAPI authentication. This could be triggered remotely, when the server allows GSSAPI authentication and logging verbosity is set at least to

SSH\_LOG\_PACKET (3). This could cause self-DoS of the per-connection daemon process.

## Mitigation

To mitigate this issue, consider disabling GSSAPI authentication if it is not required, or reduce the `LogLevel` in the `sshd_config` file to a value lower than `SSH_LOG_PACKET` (e.g., `INFO`).

To disable GSSAPI authentication, add or modify the following line in

```
/etc/ssh/sshd_config :
```

```
GSSAPIAuthentication no
```

To reduce logging verbosity, add or modify the following line in `/etc/ssh/sshd_config` :

```
LogLevel INFO
```

After making changes to `sshd_config`, the `sshd` service must be restarted for the changes to take effect. This may temporarily interrupt active SSH sessions.


## Additional information

- Bugzilla 2433121: libssh: Buffer underflow in `ssh_get_hexa()` on invalid input
- CWE-124: Buffer Underwrite ('Buffer Underflow')

### External references

- <https://www.cve.org/CVERecord?id=CVE-2026-0966>
- <https://nvd.nist.gov/vuln/detail/CVE-2026-0966>
- <https://www.libssh.org/2026/02/10/libssh-0-12-0-and-0-11-4-security-releases/>

## Affected Packages and Issued Red Hat Security Errata

-  Unless explicitly stated as not affected, all previous versions of packages in any minor update stream of a product listed here should be assumed vulnerable, although may not have been subject to full analysis.

Search:

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**Products / Services** Red Hat Enterprise Linux 10

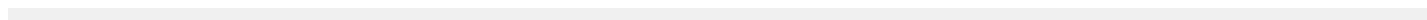
**Components** libssh

**State** Affected

**Justification** None

**Errata**

**Release Date**



**Products / Services** Red Hat Enterprise Linux 6

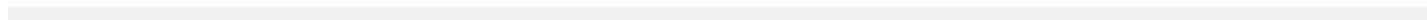
**Components** libssh2

**State** Not affected

**Justification** Vulnerable Code not Present

**Errata**

**Release Date**



**Products / Services** Red Hat Enterprise Linux 7

**Components** libssh2

**State** Not affected

**Justification** Vulnerable Code not Present

**Errata**

## Common Vulnerability Scoring System (CVSS) Score Details

### Important note

CVSS scores for open source components depend on vendor-specific factors (e.g. version or build chain). Therefore, Red Hat's score and impact rating can be different from NVD and other vendors. Red Hat remains the authoritative CVE Naming Authority (CNA) source for its products and services (see Red Hat classifications).

The following CVSS metrics and score provided are preliminary and subject to review.

### CVSS v3 Score Breakdown

	Red Hat	NVD	CVE List
<b>CVSS v3 Base Score</b>	6.5	N/A	N/A
<b>Attack Vector</b>	Network	N/A	N/A
<b>Attack Complexity</b>	Low	N/A	N/A
<b>Privileges Required</b>	None	N/A	N/A
<b>User Interaction</b>	None	N/A	N/A
<b>Scope</b>	Unchanged	N/A	N/A
<b>Confidentiality Impact</b>	None	N/A	N/A
<b>Integrity Impact</b>	Low	N/A	N/A

	Red Hat	NVD	CVE List
Availability Impact	Low	N/A	N/A

## CVSS v3 Vector

Red Hat: CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:L/A:L

## Acknowledgements

Red Hat would like to thank Jakub Jelen (libssh), Jun Xu, Kang Yang, and Yunhang Zhang for reporting this issue.

## Frequently Asked Questions

Why is Red Hat's CVSS v3 score or Impact different from other vendors?	▼
My product is listed as "Under investigation" or "Affected", when will Red Hat release a fix for this vulnerability?	▼
What can I do if my product is listed as "Will not fix"?	▼
What can I do if my product is listed as "Fix deferred"?	▼
What is a mitigation?	▼
I have a Red Hat product but it is not in the above list, is it affected?	▼

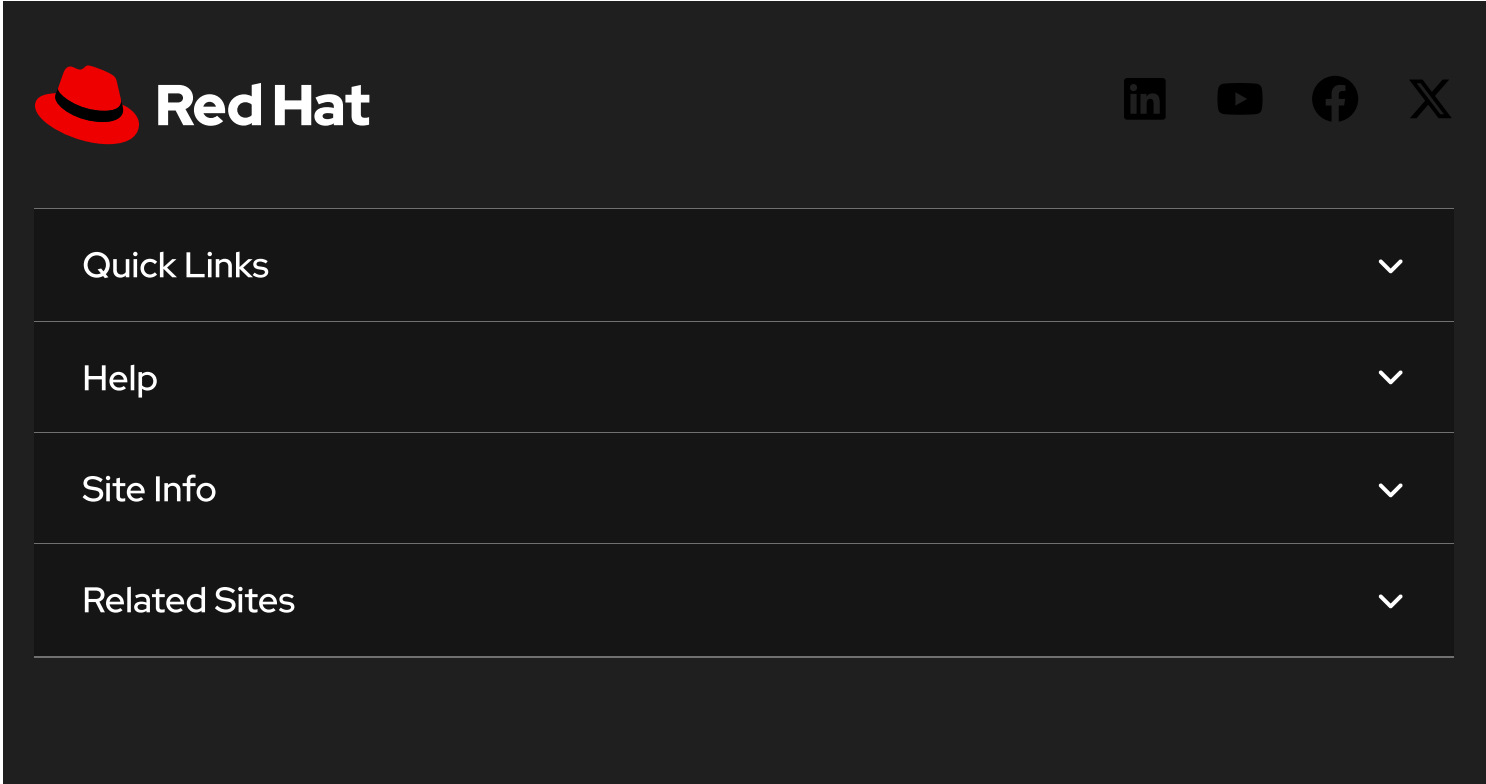
**Why is my security scanner reporting my product as vulnerable to this vulnerability even though my product version is fixed or not affected?** ▼

**Not sure what something means?** Check out our [Security Glossary](#).


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For clarification or corrections, please contact [Red Hat Product Security](#).

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 Partial system outage



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