



Libssh: use of uninitialized variable in privatekey_from_file()

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2025-4878
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-07-22 15:15:36 UTC
Updated	2026-05-06 16:16:03 UTC
Description	A vulnerability was found in libssh, where an uninitialized variable exists under certain conditions in the privatekey_from_file

Risk And Classification

Primary CVSS: v3.1 3.6 LOW from secalert@redhat.com

CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:N

Problem Types: CWE-416 | CWE-416 Use After Free

Version	Source	Type	Score	Severity	Vector
3.1	secalert@redhat.com	Secondary	3.6	LOW	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:N
3.1	CNA	CVSS	3.6	LOW	CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:N

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

High

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

None

CVSS:3.1/AV:L/AC:H/PR:L/UI:N/S:U/C:L/I:L/A:N

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Red Hat	Red Hat Enterprise Linux 10	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 6	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 7	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 8	Not specified	Not specified
CNA	Red Hat	Red Hat Enterprise Linux 9	Not specified	Not specified
CNA	Red Hat	Red Hat OpenShift Container Platform 4	Not specified	Not specified

References

Reference	Source	Link	Tags
git.libssh.org/projects/libssh.git/commit	secalert@redhat.com	git.libssh.org	
access.redhat.com/security/cve/CVE-2025-4878	secalert@redhat.com	access.redhat.com	
www.libssh.org/security/advisories/CVE-2025-4878.txt	secalert@redhat.com	www.libssh.org	
bugzilla.redhat.com/show_bug.cgi	secalert@redhat.com	bugzilla.redhat.com	
git.libssh.org/projects/libssh.git/commit	secalert@redhat.com	git.libssh.org	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

No vendor comments have been submitted for this CVE.

Additional Advisory Data

Source	Time	Event
CNA	2025-07-03T17:42:21.515Z	Reported to Red Hat.
CNA	2025-06-24T00:00:00.000Z	Made public.

There are currently no legacy QID mappings associated with this CVE.

© CVE.report 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API cve.report/api

CVE.report and Source URL Uptime Status status.cve.report