



Gimp: gimp: heap buffer overflow due to integer overflow in fits image loader

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Summary

CVE	CVE-2026-40915
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-15 20:16:36 UTC
Updated	2026-04-17 15:08:01 UTC

Description A flaw was found in GIMP. A remote attacker could exploit an integer overflow vulnerability in the FITS image loader by pro

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from secalert@redhat.com

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

EPSS: 0.000170000 probability, percentile 0.040670000 (date 2026-04-20)

Problem Types: CWE-190 | CWE-190 Integer Overflow or Wraparound

Version	Source	Type	Score	Severity	Vector
3.1	secalert@redhat.com	Primary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:H
3.1	CNA	CVSS	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:N/I:N/A:H

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
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

References

Reference	Source	Link	Tags
bugzilla.redhat.com/show_bug.cgi	secalert@redhat.com	bugzilla.redhat.com	
access.redhat.com/security/cve/CVE-2026-40915	secalert@redhat.com	access.redhat.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: Red Hat would like to thank Mehtab Zafar for reporting this issue. (en)

Additional Advisory Data

Source	Time	Event
CNA	2026-04-15T18:34:44.357Z	Reported to Red Hat.
CNA	2026-04-15T18:41:45.828Z	Made public.

Workarounds

CNA: Users should avoid opening untrusted FITS image files with GIMP. If GIMP is not required, consider removing the `gimp` package to eliminate the attack surface. This can be done using the system's package manager, for example: `sudo dnf remove gimp`. Removing GIMP may impact other applications that depend on it.

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

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