



CVE-2016-5684

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

Summary

CVE	CVE-2016-5684
State	PUBLISHED
Assigner	certcc
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-01-06 21:59:01 UTC
Updated	2026-05-06 22:30:45 UTC
Description	An exploitable out-of-bounds write vulnerability exists in the XMP image handling functionality of the FreeImage library. A sy

Risk And Classification

Primary CVSS: v3.0 7.8 HIGH from nvd@nist.gov

CVSS: 3.0/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H

EPSS: 0.004960000 probability, percentile 0.659100000 (date 2026-05-08)

Problem Types: CWE-787 | out-of-bounds write

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.0/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	6.8		AV:N/AC:M/Au:N/C:P/I:P/A:P

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

High

High

Availability

High

CVSS:3.0/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Medium

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

Partial

AV:N/AC:M/Au:N/C:P/I:P/A:P

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Freeimage Project	Freeimage	3.17.0	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Freelimage	Freelimage	affected 3.17.0	Not specified

References

Reference	Source	Link
Freeimage: Multiple vulnerabilities (GLSA 201701-68) — Gentoo security	af854a3a-2127-422b-91ae-364da2661108	security.gentoo.org
Cisco Talos - Talos 2016 0189	af854a3a-2127-422b-91ae-364da2661108	www.talosintelligenc
USN-3925-1: FreeImage vulnerability Ubuntu security notices Ubuntu	af854a3a-2127-422b-91ae-364da2661108	usn.ubuntu.com
Oracle Critical Patch Update - January 2019	af854a3a-2127-422b-91ae-364da2661108	www.oracle.com
FreeImage CVE-2016-5684 Remote Code Execution Vulnerability	af854a3a-2127-422b-91ae-364da2661108	www.securityfocus.c
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

710455 Gentoo Linux Freelmage Multiple Vulnerabilities (GLSA 201701-68)

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