CVE-2016-0165

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2016-0165
State	PUBLISHED
Assigner	microsoft
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-04-12 23:59:28 UTC
Updated	2026-04-21 19:04:26 UTC
Description	The kernel-mode driver in Microsoft Windows Vista SP2, Windows Server 2008 SP2 and R2 SP1, Windows 7 SP1, Window

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from nvd@nist.gov

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

EPSS: 0.060350000 probability, percentile 0.908190000 (date 2026-05-14)

CISA KEV: Listed on 2023-06-22; due 2023-07-13; ransomware use Unknown

Problem Types: NVD-CWE-noinfo | n/a | CWE-noinfo Not enough information

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
3.1	ADP	DECLARED	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
3.1	134c704f-9b21-4f2e-91b3-4a467353bcc0	Secondary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	7.2		AV:L/AC:L/Au:N/C:C/I:C/A:C

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

Complete

AV:L/AC:L/Au:N/C:C/I:C/A:C

CISA Known Exploited Vulnerability

Vendor	Microsoft
Product	Win32k
Name	Microsoft Win32k Privilege Escalation Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://learn.microsoft.com/en-us/security-updates/securitybulletins/2016/ms16-039; https://nvd.nist.gov/vuln/detail/CVE-2016-0165

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Microsoft	Windows 10 1507	-	All	All	All
Operating System	Microsoft	Windows 10 1511	All	All	All	All
Operating System	Microsoft	Windows 7	-	sp1	All	All
Operating System	Microsoft	Windows 8.1	All	All	All	All
Operating System	Microsoft	Windows Rt 8.1	-	All	All	All
Operating System	Microsoft	Windows Server 2008		sp2	All	All

Operating System	Microsoft	Windows Server 2008	-	sp2	All	All
Operating System	Microsoft	Windows Server 2008	r2	sp1	All	All
Operating System	Microsoft	Windows Server 2012	-	All	All	All
Operating System	Microsoft	Windows Server 2012	r2	All	All	All
Operating System	Microsoft	Windows Vista	-	sp2	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	S
www.cisa.gov/known-exploited-vulnerabilities-catalog	1
Windows Kernel 'win32k.sys' Bugs Let Local Users Gain Elevated Privileges and Remote Users Execute Arbitrary Code - SecurityTracker	a
Microsoft Security Bulletin MS16-039 - Critical | Microsoft Docs	a
Microsoft .NET Embedded Font File File Processing Flaw Lets Remote Users Execute Arbitrary Code - SecurityTracker	a
Microsoft Windows Kernel (7 x86) - Local Privilege Escalation (MS16-039) - Windows_x86 local Exploit	a
CVE Program record	C
NVD vulnerability detail	N
CISA Known Exploited Vulnerabilities catalog	C

No vendor comments have been submitted for this CVE.

Additional Advisory Data

Source	Time	Event
ADP	2023-06-22T00:00:00.000Z	CVE-2016-0165 added to CISA KEV

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