CVE-2021-27077

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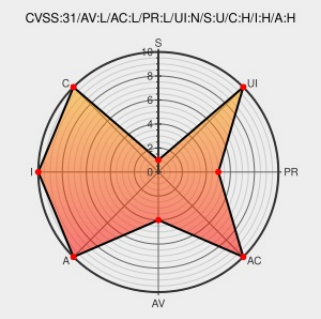
CVE-2021-27077

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Windows 10 from Microsoft contain the following vulnerability:

Windows Win32k Elevation of Privilege Vulnerability This CVE ID is unique from CVE-2021-26863, CVE-2021-26875, CVE-2021-26900.

CVE-2021-27077 has been assigned by secure@microsoft.com to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 4.6 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Security Update Guide - Microsoft Security Response Center	Patch, Vendor Advisory, portal.msrc.microsoft.com, text/html	MISC portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2021-27077

ZDI-21-498 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-498/
ZDI-21-499 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-499/
ZDI-21-494 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-494/
ZDI-21-495 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-495/
ZDI-21-500 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-500/
ZDI-21-501 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-501/
ZDI-21-482 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-482/
ZDI-21-287 | Zero Day Initiative	Third Party Advisory www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-287/
ZDI-21-496 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-496/
ZDI-21-497 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-497/
ZDI-21-403 | Zero Day Initiative	www.zerodayinitiative.com text/html	MISC www.zerodayinitiative.com/advisories/ZDI-21-403/

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Microsoft	Windows 10	-	All	All	All
Operating System	Microsoft	Windows 10	-	All	All	All
Operating System	Microsoft	Windows 10	-	All	All	All
Operating System	Microsoft	Windows 10	1607	All	All	All
Operating System	Microsoft	Windows 10	1607	All	All	All
Operating System	Microsoft	Windows 10	1607	All	All	All
Operating System	Microsoft	Windows 10	1803	All	All	All

Operating System	Microsoft	Windows 10	1809	All	All	All
Operating System	Microsoft	Windows 10	1809	All	All	All
Operating System	Microsoft	Windows 10	1909	All	All	All
Operating System	Microsoft	Windows 10	1909	All	All	All
Operating System	Microsoft	Windows 10	2004	All	All	All
Operating System	Microsoft	Windows 10	2004	All	All	All
Operating System	Microsoft	Windows 10	20h2	All	All	All
Operating System	Microsoft	Windows 10	20h2	All	All	All
Operating System	Microsoft	Windows 7	-	sp1	All	All
Operating System	Microsoft	Windows 7	-	sp1	All	All
Operating System	Microsoft	Windows 7	-	sp1	All	All
Operating System	Microsoft	Windows 8.1	-	All	All	All
Operating System	Microsoft	Windows 8.1	-	All	All	All
Operating System	Microsoft	Windows 8.1	-	All	All	All
Operating System	Microsoft	Windows Rt 8.1	-	All	All	All
Operating System	Microsoft	Windows Server 2008	r2	sp1	All	All
Operating System	Microsoft	Windows Server 2008	r2	sp2	All	All
Operating System	Microsoft	Windows Server 2008	sp2	All	All	All
Operating System	Microsoft	Windows Server 2008	sp2	All	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 Server 2012	r2	All	All	All
Operating System	Microsoft	Windows Server 2016	-	All	All	All

Operating System	Microsoft	Windows Server 2016	1909	All	All	All
Operating System	Microsoft	Windows Server 2016	2004	All	All	All
Operating System	Microsoft	Windows Server 2016	20h2	All	All	All
Operating System	Microsoft	Windows Server 2019	-	All	All	All

- cpe:2.3:o:microsoft:windows_10:-:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_10:-:*:*:*:*:*:x64:*:
- cpe:2.3:o:microsoft:windows_10:-:*:*:*:*:*:x86:*:
- cpe:2.3:o:microsoft:windows_10:1607:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_10:1607:*:*:*:*:*:x64:*:
- cpe:2.3:o:microsoft:windows_10:1607:*:*:*:*:*:x86:*:
- cpe:2.3:o:microsoft:windows_10:1803:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_10:1809:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_10:1809:*:*:*:*:*:-:*:
- cpe:2.3:o:microsoft:windows_10:1909:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_10:1909:*:*:*:*:*:-:*:
- cpe:2.3:o:microsoft:windows_10:2004:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_10:2004:*:*:*:*:*:-:*:
- cpe:2.3:o:microsoft:windows_10:20h2:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_10:20h2:*:*:*:*:*:-:*:
- cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:-:*:x64:*:
- cpe:2.3:o:microsoft:windows_7:-:sp1:*:*:-:*:x86:*:
- cpe:2.3:o:microsoft:windows_8.1:-:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_8.1:-:*:*:*:-:*:x64:*:
- cpe:2.3:o:microsoft:windows_8.1:-:*:*:*:-:*:x86:*:
- cpe:2.3:o:microsoft:windows_rt_8.1:-:*:*:*:*:*:*:*:
- cpe:2.3:o:microsoft:windows_server_2008:r2:sp1:*:*:*:*:x64:*:

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cpe:2.3:o:microsoft:windows_server_2008:sp2:*:*:*:*:x86:*:*:

cpe:2.3:o:microsoft:windows_server_2012:-:*:*:*:*:*:*:*:

cpe:2.3:o:microsoft:windows_server_2012:r2:*:*:*:*:*:*:*:

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cpe:2.3:o:microsoft:windows_server_2016:-:*:*:*:*:*:*:*:

cpe:2.3:o:microsoft:windows_server_2016:1909:*:*:*:*:*:*:*:

cpe:2.3:o:microsoft:windows_server_2016:2004:*:*:*:*:*:*:*:

cpe:2.3:o:microsoft:windows_server_2016:20h2:*:*:*:*:*:*:*:

cpe:2.3:o:microsoft:windows_server_2019:-:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@GrupoICA_Ciber	?MICROSOFT? Múltiples vulnerabilidades de severidad alta en productos MICROSOFT: CVE-2021-27077,CVE-2021-1640 Má… twitter.com/i/web/status/1…	2021-04-30 08:04:22
@FINSIN_CL	"Zero Day Initiative": CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts ... mas info aqui… twitter.com/i/web/status/1…	2021-07-28 15:30:18
@StopMalvertisin	Zero Day Initiative | CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts bit.ly/3iYCrWJ	2021-07-28 15:30:35
@MrsYisWhy	CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts ift.tt/3xgAp9S	2021-07-28 15:31:26
@thezdi	In a guest blog, security researcher Marcin Wiązowski details CVE-2021-27077 - getting privilege escalation on… twitter.com/i/web/status/1…	2021-07-28 15:35:31
@d34dr4bbit	Zero Day Initiative — CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts aeternusmalus.wordpress.com/2021/07/28/zer…	2021-07-28 15:38:51
@InfoSec_b	Zero Day Initiative - CVE-2021-27077: Selecting Bitmaps into Mismat... (Zero Day Initiative) To handle devices on… twitter.com/i/web/status/1…	2021-07-28 16:07:03
@ipssignatures	I know no IPS that has a protection/signature/rule for the vulnerability CVE-2021-27077. The vuln was published 139… twitter.com/i/web/status/1…	2021-07-28 17:04:02
@ipssignatures	The vuln CVE-2021-27077 has a tweet created 0 days ago and retweeted 24 times. twitter.com/thezdi/status/… #Sdes365osqu5ny	2021-07-28 17:04:02
@NeverTerrible	ZDI has published "CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts" zerodayinitiative.com/blog/2021/7/26…	2021-07-29 00:56:30
@Dinosn	CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts reddit.com/r/ReverseEngin…	2021-07-29 08:44:26

@axcheron	CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts zerodayinitiative.com/blog/2021/7/26… #CVE #ZDI	2021-07-29 15:07:00
@ptracesecurity	CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts zerodayinitiative.com/blog/2021/7/26… #Pentesting #Windows… twitter.com/i/web/status/1…	2021-07-30 09:58:56
@Anastasis_King	CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts zerodayinitiative.com/blog/2021/7/26… #Pentesting #Windows… twitter.com/i/web/status/1…	2021-07-30 10:25:35
@Securityblog	Zero Day Initiative — CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts thezdi.com/blog/2021/7/26…	2021-07-31 10:38:38
/r/ReverseEngineering	CVE-2021-27077: Selecting Bitmaps into Mismatched Device Contexts	2021-07-28 15:36:13

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