



# CVE-2019-0543

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

## Summary

<b>CVE</b>	CVE-2019-0543
<b>State</b>	PUBLIC
<b>Assigner</b>	secure@microsoft.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-01-08 21:29:00 UTC
<b>Updated</b>	2020-08-24 17:37:00 UTC
<b>Description</b>	An elevation of privilege vulnerability exists when Windows improperly handles authentication requests, aka "Microsoft Win

## Risk And Classification

**EPSS:** 0.204920000 probability, percentile 0.955200000 (date 2026-04-01)

**CISA KEV:** Listed on 2022-03-15; due 2022-04-05; ransomware use Known

**Problem Types:** CWE-287

## CISA Known Exploited Vulnerability

<b>Vendor</b>	Microsoft
<b>Product</b>	Windows
<b>Name</b>	Microsoft Windows Privilege Escalation Vulnerability
<b>Required Action</b>	Apply updates per vendor instructions.
<b>Notes</b>	<a href="https://nvd.nist.gov/vuln/detail/CVE-2019-0543">https://nvd.nist.gov/vuln/detail/CVE-2019-0543</a>

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10</a>	-	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10</a>	1607	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10</a>	1703	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10</a>	1709	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10</a>	1803	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10</a>	1809	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10</a>	-	All	All	All
Operating System	<a href="#">Microsoft</a>	<a href="#">Windows 10</a>	1607	All	All	All

Operating System	Microsoft	Windows 10	1703	All	All	All
Operating System	Microsoft	Windows 10	1709	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 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 Rt 8.1	-	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	r2	sp1	All	All
Operating System	Microsoft	Windows Server 2008	r2	sp1	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 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 Server 2012	-	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	1709	All	All	All
Operating System	Microsoft	Windows Server 2016	1803	All	All	All
Operating System	Microsoft	Windows Server 2016	-	All	All	All
Operating System	Microsoft	Windows Server 2016	1709	All	All	All
Operating System	Microsoft	Windows Server 2016	1803	All	All	All
Operating System	Microsoft	Windows Server 2019	-	All	All	All
Operating System	Microsoft	Windows Server 2019	-	All	All	All

## References

Reference	Source	Link
Microsoft Windows 10 - SSPI Network Authentication Session 0 Privilege Escalation - Windows local Exploit	EXPLOIT-DB	<a href="http://www.exploit-db.com/exploits/45441/">www.exploit-db.com/exploits/45441/</a>
portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-0543	CONFIRM	<a href="https://portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-0543">portal.msrc.microsoft.com/en-US/security-guidance/advisory/CVE-2019-0543</a>
Microsoft Windows CVE-2019-0543 Local Privilege Escalation Vulnerability	BID	<a href="https://www.securityfocus.com/bid/107444">www.securityfocus.com/bid/107444</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org/CVERecord?id=CVE-2019-0543">www.cve.org</a>

NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>
CISA Known Exploited Vulnerabilities catalog	CISA	<a href="https://www.cisa.gov">www.cisa.gov</a>

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No vendor comments have been submitted for this CVE.

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

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