

# Windows Routing and Remote Access Service (RRAS) Information Disclosure Vulnerability

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CVE-2025-21203

Security Vulnerability

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Released: Apr 8, 2025

Assigning CNA: Microsoft

CVE.org link: [CVE-2025-21203](#)

Impact: Information Disclosure    Max Severity: Important

Weakness: [CWE-126: Buffer Over-read](#)

CVSS Source: Microsoft

Vector String: CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:N/A:N/E:U/RL:O/RC:C

Metrics: CVSS:3.1 6.5 / 5.7 ⓘ [Base score metrics: 6.5](#) / [Temporal score metrics: 5.7](#)

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Metric	Value
Base score metrics (8)	
Attack Vector	Network
Attack Complexity	Low
Privileges Required	None
User Interaction	Required
Scope	Unchanged
Confidentiality	High
Integrity	None
Availability	None
Temporal score metrics (3)	
Exploit Code Maturity	Unproven
Remediation Level	Official Fix
Report Confidence	Confirmed

Please see [Common Vulnerability Scoring System](#) for more information on the definition of these metrics.

## Executive Summary

Buffer over-read in Windows Routing and Remote Access Service (RRAS) allows an unauthorized attacker to disclose information over a network.

## Exploitability

The following table provides an [exploitability assessment](#) for this vulnerability at the time of original publication.

Publicly disclosed	No
Exploited	No
Exploitability assessment	Exploitation Less Likely

## FAQ

According to the CVSS metric, user interaction is required (UI:R). What interaction would the user have to do?

This attack requires an admin user on the client to connect to a malicious server and then take specific actions which could result in information disclosure.

What type of information could be disclosed by this vulnerability?

An attacker who successfully exploited this vulnerability could potentially read portions of heap memory.

Acknowledgements

Anonymous

Microsoft recognizes the efforts of those in the security community who help us protect customers through coordinated vulnerability disclosure. See [Acknowledgements](#) for more information.

Security Updates

To determine the support lifecycle for your software, see the [Microsoft Support Lifecycle](#).

Keyword

Product Family

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Max Severity

▼

Impact

▼

Platform

▼











































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Release date ↓	Product	Platform	Impact	Max Severity	Article	Download	Build Number			
Apr 8, 2025	Windows Server 2012 R2 (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055557</a> 	<a href="#">Monthly Rollup</a> 	6.3.9600.225			
Apr 8, 2025	Windows Server 2012 R2	-	Information Disclosure	Important	<a href="#">5055557</a> 	<a href="#">Monthly Rollup</a> 	6.3.9600.225			
Apr 8, 2025	Windows Server 2012 (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055581</a> 	<a href="#">Monthly Rollup</a> 	6.2.9200.254			
Apr 8, 2025	Windows Server 2012	-	Information Disclosure	Important	<a href="#">5055581</a> 	<a href="#">Monthly Rollup</a> 	6.2.9200.254			
Apr 8, 2025	Windows Server 2008 R2 for x64-based Systems Service Pack 1 (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055561</a> 	<a href="#">Monthly Rollup</a> 	6.1.7601.276			
version	revisionDate	description								
1.0	Apr 8, 2025	Information published.								
Apr 8, 2025	Windows Server 2008 for x64-based Systems Service Pack 2 (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055596</a> 	 <a href="#">Security Only</a> 	6.0.6003.232			
Apr 8, 2025	Windows Server 2008 for x64-based Systems Service Pack 2	-	Information Disclosure	Important	<a href="#">5055609</a>  <a href="#">5055596</a> 	<a href="#">Monthly Rollup</a>  <a href="#">Security Only</a> 	6.0.6003.232 6.0.6003.232			
A)  Broken	 Bad	 Below average	 Average	 Great!	Information Disclosure	Important	<a href="#">5055609</a>  <a href="#">5055596</a> 	<a href="#">Monthly Rollup</a>  <a href="#">Security Only</a> 	6.0.6003.232 6.0.6003.232	✕
					Information Disclosure	Important	<a href="#">5055609</a>  <a href="#">5055596</a> 	<a href="#">Monthly Rollup</a>  <a href="#">Security Only</a> 	6.0.6003.232 6.0.6003.232	
Apr 8, 2025	Windows Server 2008 for 32-bit Systems Service Pack 2	-	Information Disclosure	Important	<a href="#">5055609</a>  <a href="#">5055596</a> 	<a href="#">Monthly Rollup</a>  <a href="#">Security Only</a> 	6.0.6003.232 6.0.6003.232			
Apr 8, 2025	Windows Server 2016 (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055521</a> 	<a href="#">Security Update</a> 	10.0.14393.7			
Apr 8, 2025	Windows Server 2016	-	Information Disclosure	Important	<a href="#">5055521</a> 	<a href="#">Security Update</a> 	10.0.14393.7			
Apr 8, 2025	Windows Server 2025	-	Information Disclosure	Important	<a href="#">5055523</a> 	<a href="#">Security Update</a> 	10.0.26100.3			
Apr 8, 2025	Windows Server 2022, 23H2 Edition (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055527</a> 	<a href="#">Security Update</a> 	10.0.25398.1			

Apr 8, 2025	Windows Server 2025 (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055523</a> 	<a href="#">Security Update</a> 	10.0.26100.3
Apr 8, 2025	Windows Server 2022 (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055526</a> 	<a href="#">Security Update</a> 	10.0.20348.3
Apr 8, 2025	Windows Server 2022	-	Information Disclosure	Important	<a href="#">5055526</a> 	<a href="#">Security Update</a> 	10.0.20348.3
Apr 8, 2025	Windows Server 2019 (Server Core installation)	-	Information Disclosure	Important	<a href="#">5055519</a> 	<a href="#">Security Update</a> 	10.0.17763.7
Apr 8, 2025	Windows Server 2019	-	Information Disclosure	Important	<a href="#">5055519</a> 	<a href="#">Security Update</a> 	10.0.17763.7