

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



Critical Azure Bastion Authentication Bypass Vulnerability

Tracking #:432318061

Date:24-11-2025

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a critical authentication bypass vulnerability, CVE-2025-49752, has been disclosed in Microsoft Azure Bastion, the cloud-native service used for secure remote access to Azure Virtual Machines.

TECHNICAL DETAILS:

A critical authentication bypass vulnerability, CVE-2025-49752, has been disclosed in Microsoft Azure Bastion, the cloud-native service used for secure remote access to Azure Virtual Machines. The flaw enables remote, unauthenticated attackers to bypass all authentication mechanisms and escalate privileges to administrative levels using a single network request.

The vulnerability is rated CVSS 10.0 (Critical) and poses a severe risk due to its network-reachable attack path, no user interaction requirement, and potential for full compromise of connected virtual machines. Microsoft released an emergency patch on November 20, 2025, and all customers are urged to apply the update immediately.

No active exploitation has been publicly reported; however, the ease of exploitation and impact make this an urgent, high-priority security incident.

Vulnerability Details:

Attribute	Details
CVE ID	CVE-2025-49752
Vulnerability Type	Authentication Bypass & Elevation of Privilege
CWE Classification	CWE-294: Authentication Bypass by Capture-Replay
CVSS Score	10.0 (Critical)
Attack Vector	Network
Affected Components	All Azure Bastion Deployments

RECOMMENDATIONS:

Apply the Microsoft Security Update (Released: Nov 20, 2025).

- Verify all Azure Bastion resources are updated.
- Ensure automatic updates are enabled where possible.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

- <https://msrc.microsoft.com/update-guide/vulnerability/CVE-2025-49752>