

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



High-Severity Local Privilege Escalation Vulnerability in ASUS

Tracking #:432318074

Date:26-11-2025

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that ASUS has issued important security updates to address a high-severity Local Privilege Escalation (LPE) vulnerability in the ASUS System Control Interface Service.

TECHNICAL DETAILS:

ASUS has issued important security updates to address a high-severity Local Privilege Escalation (LPE) vulnerability in the ASUS System Control Interface Service, a key component used by the MyASUS application across ASUS desktop PCs, laptops, NUC systems, and All-in-One machines.

Tracked as CVE-2025-59373, the flaw allows a low-privileged attacker or malware running as a standard user to escalate privileges to SYSTEM, the highest level of access on Windows. The vulnerability is caused by improper validation within a file-restore mechanism that may allow unprivileged users to copy or replace files in protected system paths.

ASUS has released patched versions for both x64 and ARM platforms, and all users are urged to update immediately.

Vulnerability Details

- CVE ID: CVE-2025-59373
- Severity Rating: CVSS 4.0 Score: 8.5 — High
- CVSS Vector: AV:L/AC:L/AT:N/PR:L/UI:N/VC:H/VI:H/VA:H/SC:N/SI:N/SA:N
- Affected Component: ASUS System Control Interface Service (Used by MyASUS on ASUS desktop PCs, laptops, NUC systems, and AIO devices).

Fixed Version

- ASUS System Control Interface 3.1.48.0 (x64)
- ASUS System Control Interface 4.2.48.0 (ARM)

RECOMMENDATIONS:

- Organizations and end-users should apply the patches immediately to mitigate potential compromise.

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://www.asus.com/security-advisory/>