

مجلس الأمن السيبراني
CYBER SECURITY COUNCIL



High-Severity Vulnerability in HP Insyde BIOS

Tracking #:432317869

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed a high-severity security vulnerability in certain HP PC products using Insyde BIOS (InsydeH2O UEFI Firmware). The flaw could allow digital certificate injection through NVRAM variables, leading to possible escalation of privilege, arbitrary code execution, denial of service, or information disclosure.

TECHNICAL DETAILS:

Vulnerability Details

- **CVE-2025-4275**
- **CVSS Base Score:** 7.8 (High)
- A security vulnerability in InsydeH2O UEFI firmware allows attackers to inject malicious digital certificates into NVRAM variables. Successful exploitation may compromise firmware integrity and enable privileged code execution during boot.

Affected Products

Multiple HP consumer notebook and desktop PCs are affected, including (but not limited to):

- HP 14-inch Laptop PC series (14-em0000, 14-ep1xxx, 14-ep2xxx, 14-gr0xxx, 14-gr1xxx)
- HP Envy, Spectre x360, Pavilion, and OmniBook series
- HP OMEN and Victus gaming laptops
- HP Zhan and Stream series
- HP OmniStudio X 27 inch All-in-One Desktop PC 27-cs0xxx

Fixed Versions

HP has released BIOS updates that mitigate the vulnerability.

Note: Refer to the HP official advisory for the full list of affected products and fixed versions.

RECOMMENDATIONS:

The UAE Cyber Security Council recommends updating the affected versions to the fixed or latest versions released by HP.

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://support.hp.com/si-en/document/ish_13159700-13159730-16/hpsbhf04070