مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical Vulnerabilities in HP LaserJet Enterprise and Managed Printers

Tracking #:432318463

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TLP: WHITE

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that HP Inc. has released Security Bulletin addressing multiple critical vulnerabilities affecting certain HP LaserJet Enterprise and HP LaserJet Managed printer models.

TECHNICAL DETAILS:

HP has disclosed a critical security advisory affecting certain HP LaserJet Enterprise and HP LaserJet Managed Printers. The vulnerabilities originate from flaws in the open-source libexpat XML parsing library embedded within the printer firmware stack. Successful exploitation could allow a remote, unauthenticated attacker to trigger a Denial of Service (DoS) condition or execute a buffer overflow, potentially leading to arbitrary code execution.
Three of the four identified CVEs carry a CVSS v3.1 base score of 9.8 or higher, classifying them as Critical severity. These vulnerabilities are remotely exploitable with no authentication or user interaction required, significantly elevating risk in enterprise environments where HP LaserJet printers are network-connected.

Vulnerability Details:

CVE ID	CVSS	Severity	Vector
CVE-2022-25315	9.8	Critical	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
CVE-2022-25236	9.8	Critical	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
CVE-2022-25235	9.9	Critical	CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
CVE-2024-8176	6.9	Medium	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N

RECOMMENDATIONS:

- Apply the Firmware Update: Download and install the latest firmware for all affected models from HP Software and Driver Downloads.
- Identify Affected Assets: Audit your printer inventory to identify all HP LaserJet Enterprise and Managed Printer models and confirm their current firmware versions.
- Prioritise Exposed Printers: Focus immediate patching on any printers that are internet-facing, on DMZ segments, or accessible from untrusted VLANs.

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/us-en/document/ish_14108373-14108378-16/hpsbpi04095