مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Security Updates - HP

Tracking #:432316444

Date:28-10-2024

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed that HP has released BIOS security updates to address multiple vulnerabilities in its products.

TECHNICAL DETAILS:

Multiple vulnerabilities have been identified in the system BIOS for certain HP PC products, specifically in the EDK2 NetworkPkg implementation. These vulnerabilities could potentially allow attackers to execute code, cause denial of service, or disclose sensitive information.

Vulnerability Details:

CVE ID	Base Score	Severity
CVE-2023-45230	8.3	High
CVE-2023-45234	8.3	High
CVE-2023-45235	8.3	High
CVE-2023-45232	7.5	High
CVE-2023-45233	7.5	High
CVE-2023-45229	6.5	Medium
CVE-2023-45231	6.5	Medium
CVE-2023-45236	5.8	Medium
CVE-2023-45237	5.3	Medium

These vulnerabilities are related to the EDK2 NetworkPkg IP stack implementation and could potentially be exploited if the Preboot eXecution Environment (PXE) boot option is enabled.

Impact:
Successful exploitation of these vulnerabilities could lead to:

- Remote code execution
- Denial of service attacks
- Information disclosure
- DNS cache poisoning
- Network session hijacking

Note: Refer to HP advisory for affected products, fixed versions and more information.

RECOMMENDATIONS:

- **Update BIOS**: Apply the latest BIOS updates provided by HP for your specific PC mode
- **Disable PXE Boot**: If not required, disable the PXE boot option in your BIOS settings to reduce the attack surface
- **Network Isolation**: Implement network isolation measures to protect the UEFI Preboot environment from unauthorized access
- **Secure OS Deployments**: Follow security best practices when designing preboot environments for OS deployment
- **Monitor for Updates**: Regularly check for and apply any additional security updates 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/us-en/document/ish_11485056-11485078-16/hpsbhf03983