مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Multiple Vulnerabilities in Zyxel Firewalls

Tracking #:432317112

Date:24-04-2025

TLP: WHITE

EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed Zyxel has released patches addressing two security vulnerabilities (CVE-2025-1731 and CVE-2025-1732) in its USG FLEX H series firewalls.

TECHNICAL DETAILS:

Zyxel has released patches addressing two security vulnerabilities (CVE-2025-1731 and CVE-2025-1732) in its USG FLEX H series firewalls. These issues involve incorrect permission assignments and improper privilege management, which may allow authenticated attackers to escalate privileges or manipulate system configurations.

Vulnerability Details:

1. **CVE-2025-1731: Incorrect Permission Assignment-7.8,HIGH**
   - **Description:** An authenticated attacker with low privileges can exploit insecure PostgreSQL command permissions to access the Linux shell.
   - **Attack Vector:** Requires valid credentials; possible if admin token remains active and session is not properly terminated.

2. **CVE-2025-1732: Improper Privilege Management-6.7 MEDIUM**
   - **Description:** Administrators on the device may upload crafted configuration files through the recovery function to escalate privileges.
   - **Attack Vector:** Local and authenticated — but from an already privileged admin user.

Firewall series	Affected version		Patch availability
USG FLEX H	CVE-2025-1731	CVE-2025-1732	uOS V1.32
	uOS V1.20 to V1.31	uOS V1.31	

RECOMMENDATIONS:

- Upgrade Firmware for all affected USG FLEX H devices to fixed version.

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.zyxel.com/global/en/support/security-advisories/zyxel-security-advisory-for-incorrect-permission-assignment-and-improper-privilege-management-vulnerabilities-in-usg-flex-h-series-firewalls-04-22-2025