



مجلس الأمن السيبراني  
CYBER SECURITY COUNCIL



**Security Updates- Zyxel Firewall Products**

Tracking #:432315653

Date:27-02-2024

THE INFORMATION CONTAINED WITHIN IS THE PROPERTY OF THE CYBER SECURITY COUNCIL OF THE UNITED ARAB EMIRATES GOVERNMENT AND IS TO BE USED EXCLUSIVELY FOR INTELLIGENCE PURPOSES. IT MAY NOT BE USED IN ANY LEGAL OR PUBLIC MATTER WITHOUT THE EXPLICIT APPROVAL OF THE CYBER SECURITY COUNCIL

## EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed Zyxel has released security patches to address multiple vulnerabilities in its Firewall Products.

## TECHNICAL DETAILS:

Zyxel has released security updates to address multiple vulnerabilities in some of their firewall and access point models. These vulnerabilities could potentially allow attackers to remotely execute code, cause denial-of-service (DoS) conditions, or gain unauthorized access to the affected devices.

### Vulnerability Details:

- **CVE-2023-6397**(CVSS Score: 6.5 MEDIUM): A null pointer dereference vulnerability in some firewall versions could allow a local attacker to cause a DoS condition.
- **CVE-2023-6398**(CVSS Score: 7.2 HIGH): A post-authentication command injection vulnerability in the file upload function could allow an attacker with administrator privileges to execute arbitrary commands on the device.
- **CVE-2023-6399**(CVSS Score: 5.7 MEDIUM): A format string vulnerability in some firewall versions could allow an authenticated attacker to cause a DoS condition on the device.
- **CVE-2023-6764**(CVSS Score: 8.1 HIGH): A format string vulnerability in the IPSec VPN function could potentially allow an attacker to remotely execute arbitrary code on the device. However, this attack requires detailed knowledge of the device's memory layout and configuration.

**Note:** Refer to Zyxel security advisory [here](#) for fixed versions and more information.

## RECOMMENDATIONS:

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

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-multiple-vulnerabilities-in-firewalls-and-aps-02-21-2024>