



Zyxel Multiple Firewalls OS Command Injection Vulnerability

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

| | |
|------------------------|---|
| CVE | CVE-2023-28771 |
| State | PUBLIC |
| Assigner | security@zyxel.com.tw |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2023-04-25 02:15:00 UTC |
| Updated | 2023-06-09 18:12:00 UTC |
| Description | Improper error message handling in Zyxel ZyWALL/USG series firmware versions 4.60 through 4.73, VPN series firmware v |

Risk And Classification

EPSS: 0.943460000 probability, percentile 0.999570000 (date 2026-04-02)

CISA KEV: Listed on 2023-05-31; due 2023-06-21; ransomware use Unknown

Problem Types: CWE-78

CISA Known Exploited Vulnerability

| | |
|------------------------|---|
| Vendor | Zyxel |
| Product | Multiple Firewalls |
| Name | Zyxel Multiple Firewalls OS Command Injection Vulnerability |
| Required Action | Apply updates per vendor instructions. |
| Notes | https://www.zyxel.com/global/en/support/security-advisories/zyxel-security-advisory-for-remote-command-injection-vulnerability-of-firewalls ; https://nvd.nist.gov/vuln/detail/CVE-2023-28771 |

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|-----------------------|----------------------------------|---------|--------|---------|----------|
| Hardware | Zyxel | Atp100 | - | All | All | All |
| Hardware | Zyxel | Atp100w | - | All | All | All |
| Operating System | Zyxel | Atp100w Firmware | All | All | All | All |
| Operating System | Zyxel | Atp100 Firmware | All | All | All | All |
| Hardware | Zyxel | Atp200 | - | All | All | All |
| Operating System | Zyxel | Atp200 Firmware | All | All | All | All |

| | | | | | | |
|------------------|-------|-------------------------|------|-----|-----|-----|
| Hardware | Zyxel | Atp500 | - | All | All | All |
| Operating System | Zyxel | Atp500 Firmware | All | All | All | All |
| Hardware | Zyxel | Atp700 | - | All | All | All |
| Operating System | Zyxel | Atp700 Firmware | All | All | All | All |
| Hardware | Zyxel | Atp800 | - | All | All | All |
| Operating System | Zyxel | Atp800 Firmware | All | All | All | All |
| Hardware | Zyxel | Usg Flex 100 | - | All | All | All |
| Hardware | Zyxel | Usg Flex 100w | - | All | All | All |
| Operating System | Zyxel | Usg Flex 100w Firmware | All | All | All | All |
| Operating System | Zyxel | Usg Flex 100 Firmware | All | All | All | All |
| Hardware | Zyxel | Usg Flex 200 | - | All | All | All |
| Operating System | Zyxel | Usg Flex 200 Firmware | All | All | All | All |
| Hardware | Zyxel | Usg Flex 50 | - | All | All | All |
| Hardware | Zyxel | Usg Flex 500 | - | All | All | All |
| Operating System | Zyxel | Usg Flex 500 Firmware | All | All | All | All |
| Hardware | Zyxel | Usg Flex 50w | - | All | All | All |
| Operating System | Zyxel | Usg Flex 50w Firmware | All | All | All | All |
| Operating System | Zyxel | Usg Flex 50 Firmware | All | All | All | All |
| Hardware | Zyxel | Usg Flex 700 | - | All | All | All |
| Operating System | Zyxel | Usg Flex 700 Firmware | All | All | All | All |
| Hardware | Zyxel | Vpn100 | - | All | All | All |
| Hardware | Zyxel | Vpn1000 | - | All | All | All |
| Operating System | Zyxel | Vpn1000 Firmware | All | All | All | All |
| Operating System | Zyxel | Vpn100 Firmware | All | All | All | All |
| Hardware | Zyxel | Vpn300 | - | All | All | All |
| Operating System | Zyxel | Vpn300 Firmware | All | All | All | All |
| Hardware | Zyxel | Vpn50 | - | All | All | All |
| Operating System | Zyxel | Vpn50 Firmware | All | All | All | All |
| Hardware | Zyxel | Zywall Usg 100 | - | All | All | All |
| Operating System | Zyxel | Zywall Usg 100 Firmware | All | All | All | All |
| Operating System | Zyxel | Zywall Usg 100 Firmware | 4.73 | - | All | All |
| Hardware | Zyxel | Zywall Usg 310 | - | All | All | All |
| Operating System | Zyxel | Zywall Usg 310 Firmware | All | All | All | All |
| Operating System | Zyxel | Zywall Usg 310 Firmware | 4.73 | - | All | All |

| Reference | Source | Link | Tags |
|--|---------|---|--------|
| packetstormsecurity.com/files/172820/Zyxel-IKE-Packet-Decoder-Unauthenticated-Remote-... | MISC | packetstormsecurity.com | |
| Zyxel security advisory for OS command injection vulnerability of firewalls Zyxel Networks | CONFIRM | www.zyxel.com | |
| CVE Program record | CVE.ORG | www.cve.org | cancel |
| NVD vulnerability detail | NVD | nvd.nist.gov | cancel |
| CISA Known Exploited Vulnerabilities catalog | CISA | www.cisa.gov | key |

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[731144](#) Zyxel ATP Firewall OS Command Injection Vulnerability (CVE-2023-28771)

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