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Release Note

USG FLEX H Series

Zyxel Security Firewall

Version V1.40 Patch 0

Oct 12, 2026

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Supported Platforms

Zyxel USG FLEX H Series

USG FLEX 50H / USG FLEX 50HP / USG FLEX 100H / USG FLEX 100HP / USG FLEX 200H / USG FLEX 200HP / USG FLEX 500H / USG FLEX 700H

Versions

USG FLEX 50H

uOS Version	V1.40(ACLO.0) | 2026-10-12 05:10:14
Firmware Image File name	140ACLO0C0.bin
Recovery Image File name	140ACLO0C0.ri

USG FLEX 50HP

uOS Version	V1.40(ACLP.0) | 2026-10-12 05:10:38
Firmware Image File name	140ACLP0C0.bin
Recovery Image File name	140ACLP0C0.ri

USG FLEX 100H

uOS Version	V1.40(ABXF.0) | 2026-10-12 04:35:07
Firmware Image File name	140ABXF0C0.bin
Recovery Image File name	140ABXF0C0.ri

USG FLEX 100HP

uOS Version	V1.40(ACII.0) | 2026-10-12 05:23:31
Firmware Image File name	140ACII0C0.bin
Recovery Image File name	140ACII0C0.ri

USG FLEX 200H

uOS Version	V1.40(ABWV.0) | 2026-10-12 05:40:25
Firmware Image File name	140ABWV0C0.bin
Recovery Image File name	140ABWV0C0.ri

USG FLEX 200HP

uOS Version	V1.40(ABXE.0) | 2026-10-12 05:52:09
Firmware Image File name	140ABXE0C0.bin
Recovery Image File name	140ABXE0C0.ri

USG FLEX 500H

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uOS Version	V1.40(ABZH.0)	2026-10-12 05:11:48
Firmware Image File name	140ABZH0C0.bin	
Recovery Image File name	140ABZH0C0.ri	

USG FLEX 700H

uOS Version	V1.40(ABZI.0)	2026-10-12 05:47:16
Firmware Image File name	140ABZI0C0.bin	
Recovery Image File name	140ABZI0C0.ri	

Files lists contain in the Release ZIP file

*Note: Please refer to the version table for the following file names mapping.

Firmware Image File name: 140A___0C0.bin
Purpose: This binary firmware image file is for normal system update.
Note: The firmware update may take five or more minutes depending on the scale of device configuration. The more complex the configuration, the longer the update time. Do not turn off or reset the Security Appliance while the firmware update is in progress. The firmware might get damaged, if the device loses power or you reset the device during the firmware upload.

File name: 140A___0C0.conf
Purpose: This ASCII file contains default system configuration commands.

File name: 140A___0C0.pdf
Purpose: This release file.

Recovery Image File name: 140A___0C0.ri
Purpose: This binary firmware recovery image file is for emergent system firmware damage recovery only.
Note: The Security Appliance firmware could be damaged, for example by the power going off or pressing Reset button during a firmware update.

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Read Me First

This is the uOS1.40 Patch0 firmware release for USG FLEX H series.

1. The system default configuration is summarized as below:
   - The default device administration username is “admin”, password is “1234” or see the Device label.
   - The default LAN interface is ge3, which are port 3 (P3)/ port 4 (P4). The default IP address of lan1 is 192.168.168.1/24.
   - By default, WWW/SSH service can only be accessed from LAN subnet.
   - The default WAN interface is ge1, and the secondary WAN interface is ge2. These two interfaces will automatically get IP address using DHCP by default.
   - For the first setup, it requires connecting to the Internet with your Zyxel account to complete device registration and activation.
2. Please **DO NOT turn off** the power during the firmware upgrade. Please wait until the device reboots and the PWR/SYS LED stays solid.
3. It is recommended that the user backs up “startup-config.conf” file first before upgrading firmware.
4. When getting troubles in configuring via GUI, it is recommended to clear browser’s cache first and try to configure again.
5. To reset device to system default configuration, user could press **RESET** button for 7 seconds and the device would reset itself to system default configuration and then reboot.

   Note: After resetting, the original configuration will be removed. It is recommended to back up the configuration before this operation.
6. uOS1.40 version includes ITS weekly firmware till 2026WK40 and with selected ITS fixes (details reference to release note bug fix).

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Special notices

- Do not utilize the ports allocated to internal services or system services. Assigning a port that is already used by another service, or an internal service can lead to the failure of the service to launch successfully.
  Internal Services port (Reserved):
  53/67-68/179/500/546-547/694/830/953/1812-1813/2601-2605/2616/3799/4500/5246-5247/5432/7681-7682/8098/18121/49058
  Built-in System Services Port:
  You can add or change default ports.

System Services	Port
HTTP	80
HTTPS	443
Auth. Proxy Server	1003
Captive Portal HTTP	1080
Captive Portal HTTPS	1443
SSH	22
SNMP	161
FTP	21
Remote SSL VPN	10443
Tailscale VPN	41641

- Generate self-signed certificate or certificate request obsolete SHA-1.
- **ZON Utility** does **not support H series** models.
- **Individual ports cannot** be **in the same VLAN** interface at the same time.
  (USG FLEX 500H individual ports: P1 & P2 / USG FLEX 700H individual ports: P1 & P2, P13 & P14)

- The following table lists the functions/features that are **not yet** supported by uOS products:

Category	Function/ Feature
Wireless	• Airtime fairness • WMM • AP frame capture
Network	• Proxy ARP • IPv6 • IPv6-in-IPv4 Tunnel • 6to4 Tunnel • DNS Load Balancing
Routing	• Dynamic Route (RIP/OSPF/BGP)

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VPN	• Supports LAG interface in IPsec S2S and IPsec Remote Access VPN
Bandwidth Management (BWM)	• BWM for Transparent Bridge interface
Management	• Nebula Summary Report
Hospitality	• Hotspot Management
Maintenance	• Firmware upgrade by USB

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Product integration and support

The following table lists uOS1.40 Patch0 product integration and support information:

Web Browser:

Other browser versions have not been tested but may fully function.
Other web browsers may function correctly but are not supported by Zyxel.

Operating System	Web Browser
Windows 11(64-bit)	Microsoft Edge Google Chrome Mozilla Firefox
Windows 10 (64-bit)	Microsoft Edge Google Chrome Mozilla Firefox
Linux OS (Ubuntu)	Mozilla Firefox
macOS Ventura 13	Safari Google Chrome Mozilla Firefox
macOS Monterey 12	Safari Google Chrome Mozilla Firefox

Language support

The following table lists language support information.

Language	GUI
English	Yes
Chinese (Simplified)	Yes
Chinese (Traditional)	Yes
French	Yes
German	Yes
Spanish	Yes
Portuguese (Brazil)	Yes
Polish	Yes
Turkish	Yes
Russian	Yes

IKEv2/SSL Remote Access VPN support

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Following is the list for IKEv2/SSL Remote Access VPN supporting applications and operating systems:

VPN Client	Operating System
Zyxel SecuExtender VPN Client	• Microsoft Windows 11 (64bit) • macOS Tahoe

Transceivers Support List

Only USG FLEX 700H supports SFP/SFP+.

Other transceivers have not been tested but may fully function.

Other transceivers may function correctly but are not officially supported by Zyxel.

Type	Transceiver Model
10GbE Transceiver Modules	• SFP10G-T *1 • SFP10G-SR *2 • SFP10G-SR-E *2 • SFP10G-LR *2 • SFP10G-LR-E *2
GbE Transceiver Modules	• SFP-1000T • SFP-SX-D *2 • SFP-SX-E *2 • SFP-LX-10-D *2 • SFP-LX-10-E *2

* Please note that Direct Attach Copper (DAC) cables are not supported. For optimal performance, use compatible SFP+ optical modules.

*1: Works with Cat6a/7 Cable up to 30 m. Switch fan speed will speed up to dissipate the addition heat generated by 10G BASE-T transceiver. The maximum number of 10G copper transceivers a switch can support depends on its thermal design.

*2: Only connections with patch cords with PC or UPC connectors are supported.

AP Controller Supported Managed AP List

Below is the list of APs that the H Series can manage when functioning as an AP Controller.

- After upgrading from version 1.36 or earlier version to latest firmware , if you are using 802.1x WPA-Enterprise with the built-in internal authentication server, please MUST forget or delete the existing SSID profile on wireless client devices to prevent potential Wi-Fi authentication issues.

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uOS version	Support AP model	Supported Remote AP model
1.40	WAC500H	WAC500H
	WAX300H	WAX510D
	WAX510D	WAX610D
	WAX610D	WAX620D-6E
	WAX620D-6E	WAX630S
	WAX630S	WAX640S-6E
	WAX640S-6E	WAX650S
	WAX650S	WAX655E
	WAX655E	WBE510D
	WBE510D	WBE530
	WBE530	WBE630S
	WBE630S	WBE660S
	WBE660S	WBE665S
	WBE665S	IAP500BE
	IAP500BE	

*Note: The Remote AP function is not supported on WAX300H.

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Features: V1.40(A___.0)C0

Modifications in V1.40(A___.0)C0 -- 2026/10/12

Feature

1. [Enhancement] Added Loopback interface and Local Out Route to support the firewall acting as a service endpoint and management client for USG FLEX H series. [eITS#251100422]
2. [Enhancement] FQDN support for Bandwidth Management (BWM). [eITS#241001696]
3. [Enhancement] Added RADIUS Accounting support.
4. [Enhancement] Bitdefender Endpoint Security integration
5. [Enhancement] Added User Authentication Rate Limiting
6. [Enhancement] Enhanced configuration file download with encryption support
7. [Enhancement] Enhanced Device Insight with Bitdefender Endpoint information
8. [Enhancement] Enhanced Domain Zone Forwarder with auto mode and Local Out Route policy setup.
9. [Enhancement] Added Nebula SD-VPN supports remote access VPN for USG FLEX H series. [eITS#260101522]
10. [Enhancement] Improved External IP Reputation protection for inbound device traffic. [eITS#251201539]
11. [Enhancement] Enhanced IPsec VPN phase 2 SA stability with automatic recovery (keep alive).
12. [Enhancement] Web GUI enhancements:
    a. Increased the maximum number of Trusted Certificates to 20.
    b. Enhanced SSL Inspection certificate selection to exclude third-party certificates.
    c. Updated the warning message displayed when changing a Nebula-connected interface.
    d. [Let’s Encrypt Certificate] Improved Certificate Issuance options for HTTP-01 profiles.
    e. Added Authentication Source information for login users and CEF logs.
13. [Feature Change] Updated Packet Flow Explorer to prioritize Local Out SNAT over Policy Route SNAT.
14. [Feature Change] SecuReporter: Display Hostname-to-MAC information by default in traffic logs.

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15. [Feature Change] The length of certificate name is increased to 241 characters long. [ZNGA-10834]
16. [Feature Change] Renamed “Change to a Different ISP” to “Disable WAN Automatic Rollback”. [eITS#250501102]

[AP Controller] *Local only

1. [Enhancement] Remote Access Point (RAP) support — Secure Wi-Fi for remote workplaces. [eITS# 230200520]
2. [Enhancement] Support 6GHz 320MHz setting for BR/KR/SG/UA
3. [Enhancement] Group-key updated timer (Only CLI)
4. [Enhancement] Controller offline policy

Bug Fix

1. [eITS#260400518]
   IP Exception function within any rule will affect CPU high and poor performance.
2. [eITS#260700877]
   The SSL VPN configuration script ZIP file does not contain OpenVPN file.
3. [eITS#260701034]
   When executing the downloaded Windows IPSec Remote Access VPN script, the installation failed with a Set-VpnConnectionIPsecConfiguration error.
4. [eITS#260701125]
   FLEX700H high CPU/offline was caused by inefficient EBL database lookups.
5. [eITS#260701403]
   If created LDAP profile within space contact in base DN, and then creating a group user within the LDAP profile what will display error message.
6. [eITS#260701482]
   Exceeding the firewall's maximum VLAN configuration limit caused VLAN 1076 to stop responding to ARP requests, while VLAN 1075 remained unaffected.
7. [eITS#260701839]
   Editing a security policy with a large number of FQDN address objects could trigger a data-processing timeout.
8. [eITS#260701841]
   The Web-GUI incorrectly displays the "Expire cache by TTL" option as enabled for the Address Object.

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9. [eITS#260701896]
   Although Nebula reports three connected VPN tunnels, the local device's Web GUI displays them as disconnected with no active tunnels appearing under VPN Status > Site to Site VPN.
10. [eITS#260702061]
    SSL VPN traffic cannot be routed through a route-based site-to-site VPN tunnel established between two USG FLEX H firewalls.
11. [eITS#260800155]
    FQDN object accepted *.zyxel.com, however, not *zyxel.com.
12. [eITS#260800169]
    Unable to retrieve the SNMP OID values.
    a. 1.3.6.1.4.1.890.1.15.3.1.19.0 (Active Sessions)
    b. 1.3.6.1.4.1.890.1.15.3.2.5.0 (Memory Usage)
13. [eITS#260800190]
    When re-editing VPN configuration in 1st time, the "Allow User" will become "Any", what is GUI display issue.
14. [eITS#260800200]
    The WAN interface cannot access the Internet because it is affected by a failed Policy Route connectivity check.
15. [eITS#260800243]
    A firmware regression on FLEX500H prevents inbound SIP INVITEs from being forwarded WAN-to-LAN, breaking SIP call setup and call quality.
16. [eITS#260800331]
    Can't handle Fragmented packets.
17. [eITS#260800630]
    The Policy route of "from zywall" match incorrectly.
18. [eITS#260800686]
    If configured 2nd IP address in interface, all of outgoing traffic will use 2nd IP address but not main IP address.
19. [eITS#260800759, 260901394]
    On firmware 1.38 and 1.39C0, the username field for Dynu Basic/Premium DDNS was incorrectly left empty, causing the Dynu service to fail to recognize the username.
20. [eITS#260800953]
    Cloudflare DDNS updates with the wrong IP address (127.0.0.1)
21. [eITS#260800958]

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If Nebula auto provision "0s" as PSK in SD-VPN, what will affect VPN tunnel connect failed.

22. [eITS#260801091]
    Fix false 'Nebula VPN VTI Connectivity Dead' alerts event log.
23. [eITS#260801191]
    The WAN interface cannot get the DHCP IP because it is affected by a failed Policy Route connectivity check.
24. [eITS#260801269]
    When creating a Security Policy, naming it with a leading hyphen (-) is not blocked by the system, but it causes the rule itself to get zero hits and leads to subsequent rules of the same name being completely bypassed and ignored.
25. [eITS#260801314]
    Controller-managed APs disconnect from the controller because the CAPWAP daemon service is busy, causing the controller to stop responding to incoming CAPWAP packets.
26. [eITS#260801343]
    Route Trace feature can't work.
27. [eITS#260801405]
    After a VPN disconnection and recovery, the associated policy route displays abnormally in the GUI despite actual network functionality having recovered, requiring certain features to be toggled on/off to restore the correct GUI status.
28. [eITS#260801966]
    If configured AES-GCM algorithm in VPN, the provision file of Apple OS what will build tunnel failed.
29. [eITS#260802002]
    In the Log Details > Identification, source interface, destination interface and protocol are empty.
30. [eITS#260900061]
    MTU misconfiguration that drops the first two large TCP segments during the TLS handshake, causing it to hang and time out.
31. [eITS#260900247]
    Avast External Integration function doesn't work.
32. [eITS#260900263]
    Due to a GUI display issue, multiple active site-to-site VPN tunnels may incorrectly appear as disconnected on the VPN status page.

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33. [eITS#260900579]
    After selecting the "Exit Node" feature on the Tailscale client, we can successfully ping the USG FLEX H LAN subnet, but we cannot browse any websites.
34. [eITS#260900833]
    Shortly after rebooting, SIP phones behind the USG FLEX 700H experience intermittent registration loss and become unreachable within a few minutes.
35. [eITS#260900913]
    In Security Best Practices check items, the License Status check box always shows failed.
36. [eITS#260902174]
    Session limit is not working if the setting is over 65535.
37. [ZNGA-9964]
    When no SSL VPN client profiles exist, creating multiple profiles and adjusting their priority before applying may cause an unexpected inherited profile to appear, preventing the configuration from being saved.
38. [ZNGA-10168]
    IP/Netmask may incorrectly display as 0.0.0.0/0 after adding or modifying a PPPoE interface.
39. [ZNGA-10722]
    [Nebula Application Usage] Fix the issue that FTP traffic statistics may not be reported correctly to NCC and SecuReporter. As a result, the usage displayed in these portals may be significantly lower than the actual traffic shown in the Local GUI.
40. [ZNGA-10791]
    Fix the issue that after upgrading the firmware from uOS1.38 to uOS1.39, the User Created Date and Password Changed Date are incorrectly updated to the firmware upgrade timestamp.
41. [ZNGA-10835]
    Fix the issue that Route Trace table displays no data when Source IP or Host (using Source IP) is specified. The Console may display the error message.

[AP Controller] *Local only

1. [eITS#251000363]
    [USG FLEX 700H/WBE630S] In Access points page, client number column sorting function not works.
2. [eITS:#260500242]

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On the USG FLEX 700H, the 5 GHz and 6 GHz Rate Control menus incorrectly include an 11 Mbps option, causing an error when this option is selected and applied.

3. [eITS:#260702162]
   After upgrading the USG FLEX H firewall to firmware V1.39, managed APs may encounter "Parse error / command not found”" error messages and enter a Limited AP state with all radios disabled when SNMP is disabled on the firewall.
4. [eITS:#260801314]
   Controller-managed APs disconnect from the controller because the CAPWAP daemon service is busy, causing the controller to stop responding to incoming CAPWAP packets.
5. [eITS:#260801705]
   After the USG FLEX H reboots, the maximum number of supported managed APs temporarily drops to 8, even when the Secure WiFi license is active.
6. [SPR#250307114]
   When the number of managed APs reaches the system limit, no error message is displayed when attempting to add or manage a new AP.

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Features: V1.39(A___.0)C0

Modifications in V1.39(A___.0)C0 -- 2026/07/20

Feature

1. [Enhancement] uOS now supports the same VPN PSK character set as ZLD for Nebula Manual Link VPN. [eITS#260201380]
2. [Enhancement] Enhanced the IPS performance, bypass IPS scanning for trusted UDP traffic identified by App Patrol. [eITS#250901294]
3. [Enhancement] Added cloning feature for App Patrol profiles. (Local GUI only) [eITS#210900804, 211000150]
4. [Enhancement] Nebula portal for H series now supports application usage policy (block / BWM). [eITS#250800313]
5. [Enhancement] Nebula Live tool now shows the DHCP client leasing table.
6. [Enhancement] Firmware upgrade logs are now available in Nebula.
7. [Enhancement] Sign-on with Nebula Identity Federation Service now supports Captive Portal and SSL VPN. Excludes SecuExtender.
8. [Enhancement] Added Passkey support in Nebula Cloud Authentication Server (NCAS) for Captive Portal. [eITS#250900521]
9. [Enhancement] External Group User support OIDC authentication for SSL VPN.
10. [Enhancement] ACME integration for streamlined obtaining, renewing Let's Encrypt certificate. (Local GUI only) [eITS#250401174]
11. [Enhancement] DDNS now supports Cloudflare DNS. [eITS#251200543]
12. [Enhancement] Added alert logs for session limit. (Local GUI only) [eITS#250500437]
13. [Enhancement] Nebula and SecuReporter abnormal device admin login notifications now include abnormal admin login to security appliance and security appliance health anomaly events.
14. [Enhancement] CLI scripts are now supported in USG FLEX H. (Local GUI only) [eITS#250200079]
15. [Enhancement] GUI sorting enhancement: sorting by value is no longer based on alphabetic order. (Local GUI only)
16. [Enhancement] IPsec S2S VPN enhancements: hover tooltips provide instant Local and Remote IP visibility. (Local GUI only)
17. [Enhancement] Dropdown lists now include a search function. (Local GUI only)
18. [Enhancement] uOS now displays IPsec VPN traffic status, including total site-to-site VPN traffic statistics. (Local GUI only) [eITS#251000840]

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19. [Enhancement] Firmware management now supports Firmware Type (Stable / Latest) setting. (Default is Stable).
20. [Feature Change] Disabled the FTP service by default to enhance device security and comply with Cyber Resilience Act (CRA) audit requirements.
21. [Feature Change] ITS weekly firmware now supports Cloud firmware upgrade from device GUI.

[AP Controller] *Local only

1. [Enhancement] SSID Schedule is now supported.

Bug Fix

1. [eITS#260101052]
   Configuration Ordering will affect DNS Security Option Control changes is unable to be saved.
2. [eITS#260101429]
   Policy route is missing after an HA failover.
3. [eITS#260200230]
   App Patrol cannot block AnyDesk.
4. [eITS#260300222]
   The VLAN over LAG interface does not display statistics, although statistics are available for base LAG interface and LAG ports.
5. [eITS#260300497]
   Traffic cannot pass through the policy-based VPN tunnel.
6. [eITS#260301752]
   NCC's VLAN MAC address assignment differs from local GUI.
7. [eITS#260301905]
   The resolved IP address of the Nebula-assigned domain name cannot be updated.
8. [eITS#260400155]
   VPN file missing after power outage.
9. [eITS#260400928]
   AD group user cannot match the allow user rule.
10. [eITS#260400971]
    Internet access is no longer available when using SSL VPN or Tailscale with the ZyWALL as an exit node.
11. [eITS#260401016]

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When DHCP server function is enabled and if there is no any DHCP client, dashboard will pop out error message.

12. [eITS#260401017]
    When using the captive portal with a Nebula cloud account, users are not displayed in the User section.
13. [eITS#260401133]
    (1) New VPN rule will cause VPN zone setting disappears.
    (2) The VPN PSK sometimes saves hashed password.
14. [eITS#260401173]
    AD Domain includes "_" what will result join domain failed.
15. [eITS#260401416]
    SSL VPN client can’t receive DNS IP when DNS is configured as “ZyWALL”.
16. [eITS#260401649]
    GUI display issue when multiple address groups in group at Security Policy page.
17. [eITS#260401720]
    Web GUI shows IPv6 link-local IP address even IPv6 did not enabled by CLI.
18. [eITS#260402024]
    Interface IP displays 0.0.0.0 and DHCP fails when VLAN/LAG is configured with underlying ports down.
19. [eITS#260402035]
    Firewall will offer reserved IP address to any SSL VPN Client.
20. [eITS#260402039]
    Fixing the issue where the next hop for the VTI interface shows 'Route Missing' in the Policy Route.
21. [eITS#260402132]
    The MAC address different in LAG member ports.
22. [eITS#260402187]
    The session monitor page is unable to show detail session info by host IP.
23. [eITS#260500231]
    Ping Packet Loss to the Gateway IP During WAN Failover with Dual-WAN Policy Route Configuration.
24. [eITS#260500292]
    SSL VPN authentication fails when the allowed user object group contains an external group and multiple local users.
25. [eITS#260500459]
    1:1 NAT settings within multi-WAN will affect one of 1:1 NAT rule doesn't work.

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26. [eITS#260500962]
    Cannot send the alert email because the email notification service has not been successfully initialized.
27. [eITS#260501028]
    Cannot assign zone member if there is duplicate name.
28. [eITS#260501042]
    SNMP stops working in some cases.
29. [eITS#260501056]
    Security Policy rule within schedule object sometimes doesn’t work.
30. [eITS#260501160]
    Empty data in session count. (Statistics > Session Monitor > View by each type).
31. [eITS#260501374]
    Network connectivity issues after FP-RTE recovery.
32. [eITS#260502103]
    1:1 NAT settings within multi-WAN will affect one of 1:1 NAT rule doesn't work.
33. [eITS#260600109]
    Navigating to Traffic Statistics > Session Monitor on the GUI and searching for all sessions results in the following error message: 'utf-8' codec can't decode byte 0xfd in position 8467: invalid start byte Error Code: (10031) show-conn-filter range begin 1 end 1000.
34. [eITS#260600116]
    The "Windows Update" is in the App Patrol list, but it cannot be found in the BWM > Application menu.
35. [eITS#260600501]
    SNMP stops working in some cases.
36. [eITS#260600690]
    DNS settings cannot be saved correctly.
37. [eITS#260600731]
    The VPN service didn't start up when booting.
38. [eITS#260601044]
    The AAA server's timeout value is not working on the Web-GUI.
39. [eITS#260700204]
    System generates conflict VTI Mark what result VPN traffic doesn't work.
40. [ZNGA-9910]

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The Apply button may remain unavailable when switching VPN authentication from PSK to certificate after rule creation, preventing the change from being applied.

41. [ZNGA-9896]
    In the Device GUI, the “Portal Type > Internal” dropdown may appear empty after adding a policy with the default theme configured in NCC.
42. [ZNGA-7240]
    It will be loading for a long time and there have two rules after edit full category app rules.

[AP Controller]

1. [eITS#260300673]
   APs with same name: GUI selection issue fixed.
2. [eITS#260600307]
   Set WPA-Enterprise SSID with local database and Limit simultaneous access logons to 1, but two different devices are still able to be authenticated with the same user.

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Features: V1.38(A___.0)C0

Modifications in V1.38(A___.0)C0 -- 2026/04/09

Feature

1. [Enhancement] Collaborative Detection & Response (CDR) integration is now supported- Nebula Configuration only.
2. [Enhancement] Multiple SSL VPN profiles are now supported. [eITS#250701199, 250801736]
3. [Enhancement] SSL VPN and IPsec VPN now generate log events for both successful and failed login attempts. [eITS#250501921, 260301137]
4. [Enhancement] Enhanced system logs to include detailed certificate information when SSL Inspection blocks traffic, improving visibility and troubleshooting. [eITS#251200360]
5. [Enhancement] Security Policy auditing now includes change logs to track and review configuration modifications. [eITS#251000667]
6. [Enhancement] Heartbot AnyInsight AI-powered Data Leak Prevention (DLP) is now supported for enhanced data protection.
7. [Enhancement] Content Filtering filter GenAI apps across 111+ URL categories effortlessly.
8. [Enhancement] Captive Portal enhancements:
    - Nebula Cloud Authentication support. [eITS#250900257]
    - Nebula walled garden list support
    - Customizable Captive Portal pages and template download.
    - Cloud-based updates for OIDC provider walled garden lists.
9. [Enhancement] Enhanced password complexity requirements:
    - Password history – Prevent users from reusing their current or recent passwords
    - Username restriction – Passwords cannot match the user account name
10. [Enhancement] External group users now support captive portal integration with the OIDC authentication server for enforcing user-aware policies.
11. [Enhancement] Static DHCP reservations now use IP address as the key, eliminating hostname conflicts. [eITS#251100742]
12. [Enhancement] The traffic statistics and daily email report now supports up to 8 interfaces and the device's maximum supported port count, reflecting user selections from the monitoring pages (both previously limited to 4). [eITS# 251101344]

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13. [Enhancement] H series diagnostic information download now available in Nebula OPtool. [eITS#250800257]
14. [Enhancement] Web GUI enhancements:
    a. Security Best Practice check
    b. Session monitor page now displays bandwidth management (BWM) matching information.
    c. Updated wording for Google Authentication revocation. [eITS#251101018]
    d. Updated wording for configuration validation. [eITS#251200030]
    e. Updated wording for Device HA failover.
    f. Enhanced dark mode UI for better readability and consistency.
    g. Security policy list position retained after editing. [eITS#240701655]
    h. GUI performance enhancement: The firewall (from web GUI) taking around 15 seconds to save a one secure policy while there are lots of address-objects since you click to "save". [eITS#251101738]
    i. Change the tag “Beta” to “Preview”
    j. IPv4 Interface table, the IP/Netmask field add assignment information.
    k. Correct the name of SecuManager to SecuManager v3 to distinguish with CloudCNM SeucManager (v1).
    l. Updated the DNS server layout on the Remote Access IPsec VPN and SSL VPN pages.
15. [Enhancement] Support clean arp command. [eITS#250701330]
16. [Enhancement] Added the ability to disable the default admin account in UAM.
17. [Feature Change] [SNMP] SNMP Configuration Validation Enhancement,
    - Remove SNMP v1
    - When SNMP v2c is enabled, SNMP Community 1 are now mandatory fields.
    - Real-time validation has been added to ensure required SNMP Community fields are properly configured.
    - When SNMP v2c are disabled, SNMP Community and Trap settings are grayed out and cannot be edited.
18. [Feature Change] Captive Portal: Removed General interface from Incoming selection. [eITS#260200639]
19. [Feature Change] Changed the default DNS query type in NSlookup (Network Tool) to Type A for FQDN object resolution. [eITS#260100219]

[AP Controller] *Local only

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1. [Enhancement] Support WiFi Aid
2. [Enhancement] Support Rogue AP Detection
3. [Enhancement] Support Zero wait DFS
4. [Enhancement] The AP Controller (APC) now officially supports management of the WBE665S.

Bug Fix

1. [eITS#250901513, 251002228]
   Improved system stability to prevent temporary firewall interruptions and ensure continuous operation.
2. [eITS#251001053]
   Network connections not work properly at times.
3. [eITS#251200198]
   The sorting order by duration from large to small is not working.
4. [eITS#251200731]
   Security policy is not being applied correctly when using Tailscale settings.
5. [eITS#251201224]
   Policy route packet marking issues cause traffic to go to the wrong interface.
6. [eITS#251201436]
   Resolved an issue that could cause the device to reboot unexpectedly during certain events.
7. [eITS#260100498]
   Device may intermittently stop updating the IPv4 cache for certain FQDN objects. A reboot or toggling the object temporarily restores updates.
8. [eITS#260101036]
   Web GUI unavailable when configuring 8088 as HTTP or HTTPS port
9. [eITS#260101249]
   Resolved an issue that could cause the firewall to become unresponsive and inaccessible from both WAN and LAN interfaces.
10. [eITS#260101313]
    Resolved an issue where SNMP queries could lead to increased memory usage and cause unexpected system reboots.
11. [eITS#260101390]
    Resolved an issue where Interface Connectivity Check and Policy Route Connectivity Check did not function correctly together.
12. [eITS#260101826]

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Remote IPSec VPN script with Split Tunnel cannot be imported to Window native VPN client

13. [eITS#260200067]
    The device may occasionally become unresponsive and recover after a few minutes.
14. [eITS#260200480]
    Corrected a typo in the SecuExtender provisioning configuration file name.
15. [eITS#260200514]
    DDNS update failure.
16. [eITS#260200945]
    Resolved an issue where application statistics might be missing on the Nebula Dashboard.
17. [eITS#260201047]
    Resolved an issue where USG FLEX H could experience intermittent service interruptions.
18. [eITS#260201252]
    Tailscale VPN loses connectivity after reboot.
19. [eITS#260201457]
    Resolved an issue where Nebula VPN connectivity could be disrupted after a certificate update.
20. [eITS#260201458, 260301049]
    Resolved an issue where Android devices could lose Internet connectivity when DNS SafeSearch was enabled in Content Filtering.
21. [eITS#260201468, 260300475, 260300880]
    If "any" is selected on SSL VPN > Authentication > User, ad-user belonging to ext-group-user cannot establish SSL VPN. Besides, if an AD user belongs to many groups, the firewall cannot recognize the user.
22. [eITS#260201558]
    Resolved an issue that could cause intermittent connectivity problems and temporary device unresponsiveness.
23. [eITS#260300082]
    Resolved an issue that could cause intermittent connectivity problems and temporary device unresponsiveness.
24. [eITS#260300819]
    Fixed an issue where admin 2FA backup codes could disappear after canceling changes and could not be regenerated.
25. [eITS#260300822]

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The Internet connection could disconnect unexpectedly.

26. [eITS#260300871]
    AD groups were not correctly recognized during VPN authentication
27. [eITS#260301047]
    The system logs saved to USB storage could not be downloaded.

[AP Controller]

1. [eITS#260200398]
   AP does not broadcast configured SSID.

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Features: V1.37(A___.1)C0

Modifications in V1.37(A___.1)C0 -- 2026/2/06

Feature

1. [Feature Change] [SNMP] SNMP Configuration Validation Enhancement,
   - When SNMP v1 or SNMP v2c is enabled, SNMP Community 1 and Community 2 are now mandatory fields.
   - Real-time validation has been added to ensure required SNMP Community fields are properly configured.
   - When both SNMP v1 and SNMP v2c are disabled, SNMP Community and Trap settings are grayed out and cannot be edited.

[AP Controller] *Local only

Bug Fix

1. [eITS#251201653]
   Incorrect routing behavior when a VLAN is configured over a LAG interface.
2. [eITS#260100500, 260101410, 260101279, 260101414, 260101659]
   IKEv2 remote access connection failure occurs when authentication is set to cloud authentication.
3. [eITS#260101235]
   After upgrading the FLEX H firewall to v1.37, the managed v7.10 802.11ax APs show a Limited status with the reason “SNMP 2 Community.”
4. [eITS#260101298]
   After logging in to the Web-GUI, the error message “No free session slots available” could be displayed, and clicking “Logout” would terminate the session and prevent the user from logging in again for up to 24 hours

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Features: V1.37(A___.0)C0

Modifications in V1.37(A___.0)C0 -- 2026/1/15

Feature

1. [Enhancement] SSL VPN / Captive Portal authentication with Microsoft Entra ID/Google (OIDC).
2. [Enhancement] Application-Aware Policy Routing. [eITS#250800760]
3. [Enhancement] Policy Route Next hop support dynamic VPN tunnel.
4. [Enhancement] Anti-Malware allow/block list supports SHA-256 hash value.
5. [Enhancement] Support # and ; as a comment symbol in External Block List (EBL) entry. [eITS#250901370]
6. [Enhancement] Support Anomaly Detection and Prevention. [eITS#250200680]
7. [Enhancement] IPsec VPN (S2S and Remote Access) IKEv2 support AES-GCM.
8. [Enhancement] IPsec VPN (S2S and Remote Access) support DH31-32 group.
9. [Enhancement] IPsec VPN Phase2 policy object supports Interface subnet type.
10. [Enhancement] The IPsec VPN Tunnel zone can be directly matched in Security Policy.
11. [Enhancement] SSL VPN page add Certification expiry information. [eITS#250101430]
12. [Enhancement] mDNS Proxy support AirPlay, AirDrop and Chromecast cross subnets. [eITS#210601927]
13. [Enhancement] BWM: Support for IEEE 802.1p marking. [eITS#250601378, 250600442]
14. [Enhancement] Interface Ingress & Egress Rate Limiting Support. [eITS#250600089]
15. [Enhancement] DHCP table support Import function. [eITS#240101697, 250401083, 250401189]
16. [Enhancement] DHCP: Added validation to prevent the DHCP address pool from exceeding the interface subnet mask range. [eITS#250501381]
17. [Enhancement] Captive Portal Active Directory integration with “User Principal Name” attribute. [eITS#241101233, 241100761]
18. [Enhancement] (CLI only) Support GARP interval in NAT virtual server rule. [eITS#250800621]
19. [Enhancement] Troubleshooting: Diagnostics add an option to include the running configuration.

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20. [Enhancement] Troubleshooting: An event log is now generated when applying an NCC provision configuration fails.
21. [Enhancement] CLI to support device provide Client information (host name) to SecuReporter.
22. [Enhancement] Support custom SecuExtender configuration provisioning port.
23. [Enhancement] User Experience and GUI enhancement:
    a. **Dark Mode**: Added support for Dark Mode.
    b. **Packet Explorer**: Tooltip information is now displayed only for local users and local user groups when the flow changes.
    c. **Remote Access VPN (IPsec/SSL)**: Added user object validation in the Authentication section. (User field cannot be empty.) [eITS#250800306]
    d. **Change to a Different ISP**: Updated the informational note (i-note) for improved clarity.
    e. **Application Patrol**: Added a Cancel option when renaming a profile.
    f. **IGMP Proxy**: Added an i-note explaining the processing order between Multicast Address Reception and Security Policy.
    g. **Captive Portal:** The Service Type field in the exempt list now supports the **+Add Group** function.
    h. **Security Policy**: Log filter now supports protocol-based filtering. [eITS#251100597]
    i. **Policy Control:** Security rule wildcard source address warning message correction. [eITS#251200261]
24. [Enhancement] [Web Configuration Onboarding]: When Web Configuration onboarding (Nebula Cloud) is selected, the device does not perform a reset during site assignment.
25. [Enhancement] [Specific Project – Taiwan]: Added support for SecuManager (v3) under System > Advanced.
26. [Feature Change] [Packet Flow Explorer]: Dynamic/Site-to-Site VPN moved back to the first priority in the routing flow. [eITS#251100706]
27. [Feature Change] [Packet Flow Explorer]: Tooltip information is not displayed for AD/LDAP/RADIUS users or when the user type is set to Group with all members logged in.
28. [Feature Change] [SSL Inspection Statistic]: Removed Maximum Concurrent Session from the GUI. The concurrent session count now turns red when the limit is reached.
29. [Feature Change] [Alert Mail]: Updated memory usage display to focus on system memory usage only, excluding FastPath backend usage.

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30. [Feature Change] [Tailscale] Upgrade Tailscale to v1.90.8
31. [Feature Change] [SNMP] SNMP is disabled by default.
32. [Feature Change] [GUI/Captive Portal]: Renamed Authentication Policy > Advance tab to **Settings**.
33. [Feature Change] [Captive Portal]: When a Redirect FQDN is configured, a DNS A record must be manually added to map the FQDN to the Captive Portal server address (default: 6.6.6.6).

[AP Controller] *Local only

1. [Enhancement] Support to manage IAP500BE
2. [Enhancement] Support individual AP radio settings.
3. [Enhancement] Support client policy by wildcard.
4. [Enhancement] Support proxy by controller directly.
5. [Enhancement] Support wireless diagnostic features.
6. [Enhancement] Support SSID view client information.
7. [Enhancement] Support WLAN Top-N information.
8. [Enhancement] Support internal authentication server certificate selection. [eITS#250701412, 251000304]
9. [Enhancement] Email daily report contains WLAN information

Bug Fix

1. [eITS#250800314]
   ESP replies to the wrong interface if both ge1 and ge2 are selected in the WAN trunk
2. [eITS#250800936]
   SSL VPN: Fixed an issue where authentication could fail if a user group contained nested user groups.
3. [eITS#250900060]
   The VLAN interface cannot assign a DHCP IP address because the interface fails to initialize.
4. [eITS#250900483]
   Unable to fall back to the primary VTI interface in a route-based VPN scenario
5. [eITS#250900846]
   SecuReporter missing AD Users display
6. [eITS#250900890]
   SSL Inspection session was unable to be released automatically

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7. [eITS#250901103]
   Accessing an uninitialized list in the conntrack destroy callback causes undefined behavior and leads to an fastpath daemon deadlock.
8. [eITS#251000114]
   If AD user exists in multiple groups, it may affect AD auth. failed.
9. [eITS#251000357]
   There is a spelling error in the email notification.
10. [eITS#251000497]
    abnormal DDNS update status
11. [eITS#251000842]
    VPN authentication fails for AD users with multiple group memberships
12. [eITS#251001202]
    The DoS prevention rule is configured for traffic from the WAN interface, but it is also filtering traffic coming from the IPsec tunnel.
13. [eITS#251001621]
    Connected SSL client will get disconnected when adding a new object.
14. [eITS#251100269]
    The Nebula Cloud Authentication of IPsec Remote VPN is failed due to the USG Flex H firewall is behind NAT.
15. [eITS#251100344]
    Fixed reserved IP issue with empty hostname devices.
16. [eITS#251100931]
    Empty VLAN members
17. [eITS#251100995]
    High CPU usage leads to stability issues.
18. [eITS#251101213]
    SNMP daemon causes device to freeze.
19. [eITS#251101734]
    Pushing settings from NCC causes the PPPoE redial.
20. [eITS#251101885]
    SNMP daemon core dump in some cases.
21. [eITS#251101960]
    German Translation Issue – "All" and "Any" Options displayed the same
22. [eITS#251200277]
    No-IP DDNS cannot sync with server successfully due to the server side has support new value, and firewall shows unknown.
23. [eITS#251200748]

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VPN config not initialized during boot up.

24. [eITS#251201002]
    Remove the "remove startup" CLI command.
25. [eITS#251201016]
    The VPN user traffic of "Ext-User" is unable to be managed by Security policy rule.
26. [eITS#251201198]
    Adjust Content Filter Denied Access Message field limitation: Cannot saved as blank
27. [eITS#251201358]
    Adding or modifying a schedule object causes the device web GUI time out.
28. [eITS#251200907]
    Adjust BWM Source IP address limitation to no more than 1024
29. [ZNGA-8744]
    [Monitor][VPN Connection] Cannot show Android Strongswan client connection on Client to site login account table.
30. [ZNGA-5688]
    Policy-based IPSec VPN doesn't bypass the direct route to other subnets.
31. [ZNGA-8815]
    The local user object cannot be deleted because multiple “provision” references remain with the user.

[AP Controller]

1. [eITS#251001634]
   Secure WiFi- AP managed amount decreases to default 8 when FLEX H Internet access/synced failed.
2. [eITS#251101963]
   AP List displays a status of “VLAN Conflict” after USG reboot.

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Features: V1.36(A___.0)C0

Modifications in V1.36(A___.0)C0 -- 2025/10/15

Feature

1. [Enhancement] Nebula now supports Remote Access VPN (IPsec and SSL).
2. [Enhancement] Remote Access VPN (IPsec and SSL) now supports Nebula Cloud Authentication.
3. [Enhancement] Added a new default deny firewall policy “WAN_to_Device” with logging disabled.
4. [Enhancement] Support secondary peer gateway for VPN failover and fallback.
5. [Enhancement] IPsec VPN Phase 2 Policy now supports user defined name, allowing users to define the name when creating a Phase 2 policy. The name cannot be edited afterward.
6. [Enhancement] SSL VPN now supports setting the Minimum TLS Version to TLS1.3.
7. [Enhancement] Support for using a policy-based VPN tunnel as the next hop in Policy Routes.

   Special Notice: VPN tunnel with **dynamic peer is not supported** as the next hop in Policy Routes and are planned for a future release.
8. [Enhancement] Support the “Click-to-Continue” sign-in method for Captive Portal*Local only.
9. [Enhancement] Captive Portal*Local only enhancements:
   a. Authentication Policy Criteria: Now includes Source IP and Destination IP fields.
   b. External Portal: User can now configure an external portal.
   c. Idle Timeout: Added configurable idle timeout in Advanced Settings.
   d. Captive Portal support after login redirect.
10. [Enhancement] Support IGMP Proxy*Local only. [eITS#240301648]
11. [Enhancement] BWM categories support Tik Tok application service object [eITS#230200174]
12. [Enhancement] GUI enhancements:
    a. Added validation to ensure User-Defined Trunks are not empty.
    b. Geo IP address objects now support keyword search. [eITS#250401186]
    c. Added a tooltip to display the country name when hovering over the flag in log entries. [eITS#250200264]
    d. i-note added to clarify that the “Get from Server” function in SecuExtender

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only supports user-type accounts. [eITS#250601486]

e. Group objects display a warning if members exceed the maximum. [eITS#250700111]

13. [Enhancement] System Dashboard Storage usage add system storage usage information. [eITS#250701992]
14. [Enhancement] Diagnostic enhancements:
    a. Add CLI option for SIP Pinhole logs and can download diagnostic file
    b. Add CLI option for Device HA diagnostic logs to local storage and can download diagnostic file.
15. [Feature Change] Change DoS Prevention block destination to block source for flooding attack.
16. [Feature Change] Remote Access VPN: Download configuration files for multiple OS in one file.
17. [Feature Change] Change the default WAN trunk algorithm to LLF and the default algorithm is now configurable.
18. [Feature Change] New NAT rule defaults—Mapping Type = Virtual Server, External IP = Any, NAT loopback disabled.
19. [Feature Change] Removed the “Active Protocol” and “Encapsulation” columns from the Route-based VPN Phase 2 policy table.
20. [Feature Change] Renamed “SIP ALG” to “SIP Pinhole” since SIP Transformation is not supported. [eITS#250800156]
21. [Feature Change] Enlarge USG FLEX 700H maximum Address Object from 1000 to 1500.
22. [Feature Change] Enlarge USG FLEX 700H maximum Static Route rules from 512 to 1000.

[AP Controller]*Local only

1. [Enhancement] Support Per AP radio and power settings
2. [Enhancement] Support WiFi 7 MLO
3. [Enhancement] Support Allow/Block list in MAC filter setting
4. [Enhancement] Support Hidden SSID
5. [Enhancement] Smart-Mesh support MLO on UOS
6. [Enhancement] Support AP Load Balancing
7. [Enhancement] Support AP Roaming Group
8. [Enhancement] Support override AP tag
9. [Enhancement] DFS channel switch enhancement

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Bug Fix

1. [eITS#250400353]
   SNMP memory leak caused firewall hang itself.
2. [eITS#250500843]
   Site-to-site VPN traffic is being directed to the wrong security policy from WAN to ZyWALL.
3. [eITS#250501078]
   The IKEv2 VPN connection cannot be established. The error log shows: “Generating IKE_AUTH response 2 [EAP/FAIL]” due to the join Domain password containing the character ", which causes the radius daemon to fail to load.
4. [eITS#250501450]
   Unable to search for IP addresses in the DHCP list.
5. [eITS#250600093]
   DDNS update always fails when configuring ipv64 as custom DDNS.
6. [eITS#250600635]
   Enabling the DNS filter causes the device to crash.
7. [eITS#250601306]
   Unable to copy the security policy to the number that more than the number after applying search filter.
8. [eITS#250700999]
   IPSec traffic hit wrong zone.
9. [eITS#250701097]
   The 1:1 NAT outbound routing rule only works when it has the highest priority, because the firewall matches the wrong NAT rule index.
10. [eITS#250701233]
    Internet access is disconnected unexpectedly.
11. [eITS#250701335]
    Client usage is not reported when the interface name contains specific characters.
12. [eITS#250701580]
    Site-to-site VPN traffic is being directed to the wrong security policy from WAN to ZyWALL.
13. [eITS#250701830]
    When powering up the device, the port will be down and you need to replug the physical cable to bring the port up again. This is due to the device

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configuration file's interface port speed missing the "auto" setting.

14. [eITS#250701902]
    pppoe interface link down doesn't update the default route trunk.
15. [eITS#250701904]
    The same MAC address can be configured for two IP address in lower and upper case in DHCP Reservation.
16. [eITS#250701969]
    The External Group User cannot retrieve the corresponding Group Identifier parameter.
17. [eITS#250800164]
    External group AD user auth failed when building up the VPN tunnel.
18. [eITS#250800924]
    Policy route rule affects site to site VPN tunnel traffic.
19. [eITS#250801108]
    Routing rule becomes inactive after rebooting.
20. [eITS#250801114]
    Security Policy rule (destination zone is WAN) will affect traffic which belonging to VPN zone.
21. [eITS#250900241]
    The number of scanning files of Sandboxing remains the same even after several hours.
22. [eITS#250900322]
    show state to see the current trunk state.
23. [ZNGA-4518]
    [AAA] The joining status is "Not join AD Domain yet." after reboot.
24. [ZNGA-8190]
    SSL VPN works properly when using an AD server as the Secondary authentication server and allowing External Group Users, but ext-group-users are not shown on the Login User page.

[Nebula]

1. [eITS#250701597]
   When saving a public IP as a CAPWAP server via NCC, the Nebula reported an error.
2. [eITS#250701910]
   The interface displays incorrect information in the mobile app.
3. [eITS#250800121]

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H Firewall config cannot sync with Nebula since the config is converted by converter.

4. [eITS#250800229, 250800838, 250801367, 250801574]
   The configuration status shows "Not up to date" due to inconsistent data from Nebula.
5. [eITS#250800653]
   Configuration override failed on Nebula due to an invalid character in the description field.
6. [eITS#250800836, 250800837]
   Receive delayed email alerts when a device goes offline in Nebula.
7. [eITS#250800843]
   The firewall LAG interface zone changes from the LAN zone to "none" for no apparent reason.
8. [eITS#250801187]
   After you assign a USG FLEX 500H to a site on Nebula, the configuration on Nebula will be reset to default.
9. [eITS#250801226]
   Can't delete VPN connection settings.
10. [eITS#250801372]
    Register a new device via NCC, but NCC is unable to click "Next" in Add devices.
11. [eITS#250900076]
    PPPoE Interface syncing issue between Nebula and firewall.

[AP Controller]

1. [RM:63836]
   Modifying AP group names sometimes fails.
2. [RM:63867]
   Disabling Smart Mesh feature does not automatically disable wireless bridge.
3. [RM:63873]
   Error occurs when configuring special characters with UTF-8 SSID names enabled.

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Features: V1.35(A___.2)C0

Modifications in V1.35(A___.2)C0 -- 2025/09/01

Bug Fix

1. [eITS#250800776]
   Fix the behavior issue when Nebula is selected without network connectivity and without completing the initial setup wizard.

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Features: V1.35(A___.1)C0

Modifications in V1.35(A___.1)C0 -- 2025/08/12

Bug Fix

1. [eITS#250501586]
   RADIUS logs cause memory issues, leading to unexpected reboots.
2. [eITS#250701932]
   Security policy cannot detect the user or user group.
3. [eITS#250701854]
   IKEv2 login with AD user is not working when ext-group-user is selected in Remote Access VPN > Authentication > User.

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Features: V1.35(A___.0)C0

Modifications in V1.35(A___.0)C0 -- 2025/07/22

Feature

1. [Enhancement] Support Pre-configure Settings in Nebula- Set up your firewall even before it’s online
2. [Enhancement] Support DNS Content Filter Safe Search. [eITS#240501656, 241000432]
3. [Enhancement] IP Reputation allow/block list supports on local-in traffic. [eITS#240900032]
4. [Enhancement] Integration with Avast SMB- Endpoint Management with Avast Business Hub
5. [Enhancement] Support Microsoft Exchange SMTP OAuth 2.0 [eITS#241100638]
6. [Enhancement] Support IPsec VPN Connectivity Check
7. [Enhancement] Support added for external user groups in Remote Access VPN authentication privileges. [eITS#241000271]
8. [Enhancement] Support scheduled backup rotation for configuration files. [eITS#240901439]
9. [Enhancement] Increased the maximum configuration file upload limit to 65 (including the default 3).
10. [Enhancement] Added support for logging SNAT/DNAT details in CEF traffic logs.
11. [Enhancement] Enhanced WAN Trunk Fallback with automatic connection termination on passive interface during failover for seamless transition. [eITS#250302339]
12. [Enhancement] Support for "BaseDN" and "BindDN" configuration settings for AD authentication. [eITS#250200416, 250300826]
13. [Enhancement] Packet Flow Explorer > Routing Status: Add Tailscale packet flow static route information
14. [Feature Change] Authed IP sets are now separated for Management GUI and Captive Portal.
15. [Enhancement] Separate the SSH port from Device HA and other usage.
16. [Enhancement] Device HA enhancements:
    a. Synchronize UAM events to the passive device
    b. The passive device will always upgrade the firmware on the standby

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partition.

c. Supports an automatic full synchronization operation to ensure seamless updates in the following situations:
   i. Device reboot
   ii. Firmware upgrade
   iii. Disabling or pausing HA
   iv. Heartbeat interface reconnection or heartbeat conflict
d. Enhanced "Show State" functionality to include failover-count information

17. [Enhancement] GUI and User experience enhancements
    a. IPsec VPN displays DES decryption for Russia country
    b. Log filter now supports space characters in keyword filtering.
    c. Stronger color contrast and bolder text for improved readability. [eITS#250301509]
    d. Display all interface references –Shows where each interface is used or referenced across settings.
    e. When the DHCP pool size is set incorrectly, a warning message will pop up. [eITS#250401121]
    f. Add a hyperlink on the Tailscale configuration page to redirect users to the Tailscale Portal.
    g. Replaced “Logout” with “Revoke” on the Tailscale configuration page, and updated the associated iNote accordingly.
    h. Support for the Nebula pre-configuration scenario by enabling the device to process the conversion of the "support" account name and password
    i. Added the "External Group User" option to the Default Authentication Timeout Settings
    j. Change the inline editing style to default in editing mode
    k. Network > Interface table add "MAC Address" column/information
    l. Added an iNote to inform users that 2FA for VPN access is not supported when accessed directly from the WAN interface. [eITS#240901645]
18. [Enhancement] Updated the Web Help and User’s Guide to include VLAN interface notifications in the Interface chapter for better clarity and guidance. [eITS#250601363]
19. [Feature Change] WAN Trunk can only support 1 passive interface.

[AP Controller]

1. [Enhancement] Support MAC authentication with local database
2. [Enhancement] Support UTF-8 SSID

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3. [Enhancement] Support LED suppress (Override/Group Setting)
4. [Enhancement] LAN Provision (Override Setting)
5. [Enhancement] Wireless bridge (Override Setting)

Bug Fix

1. [eITS#240501768, 240700730]
   The automatic MAC address assignment for interface is assigning wrong MAC addresses, leading to abnormal behavior in network traffic transfer.
2. [eITS#250401491]
   Resolved issues in the traffic flow process that could cause system instability during spoofing prevention and anti-malware operations.
3. [eITS#250200887]
   After PPPoE is reconnected, policy routing cannot be automatically enabled.
4. [eITS#250201234]
   Resolved an issue where USG FLEX H users were unable to configure remote access VPN due to a missing provision CLI in the Convert Tool.
5. [eITS#250201553]
   Creating multiple IPSec VPN Phase policies with user-defined Local/Remote policies continuously causes error message.
6. [eITS#250400138]
   Resolved two issues in device HA scenarios:
   (1) the Syslog server could stop functioning unexpectedly.
   (2) Addressed a problem where the HA passive device encountered errors due to applying an incomplete configuration file.
7. [eITS#250400363]
   USG FLEX H keeps send ARP broadcast that is not triggered by ping-check.
8. [eITS#250400596]
   The password of the DDNS profile cannot be set to '_' underscore character.
9. [eITS#250400848]
   Adjust the following logs to debug level:
   1. abnormal tcp traffic detected, source port is zero, DROP.
   2. abnormal tcp traffic detected, destination port is zero, DROP.
   3. abnormal udp traffic detected, source port is zero, DROP.
   4. abnormal udp traffic detected, destination port is zero, DROP.
10. [eITS#250401058]
    Modifying VPN settings causes PPPoE to keep redialing.

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11. [eITS#250401127, 250401228]
    Firewall offline due to PPPoE is changed.
12. [eITS#250401204]
    Translation issues in the user interface. Improved accuracy and clarity of translations, especially in German.
13. [eITS#250401353]
    PPPoE Interface did not request DNS IP after dial up the connection.
14. [eITS#250401416, 250600069]
    GUI doesn't allow interface IP/network overlaps with Secondary IP.
15. [eITS#250401513]
    Translation issues in the user interface. Improved accuracy and clarity of translations, especially in Traditional Chinese translation of Virtual Server Port(s).
16. [eITS#250401516]
    The certificate was not generated when switching from Manual to Auto with NAT Traversal not empty.
17. [eITS#250401534, 250401613, 250501069]
    The firewall is unable to get correct license status from MZC server after working for a while, and caused firewall is unable to send data to SecuReporter.
18. [eITS#250401557]
    Device is unable to start up due to an internal system error during boot.
19. [eITS#250401917, 250500833]
    PPPoE Interface connection is unstable, and caused firewall online/offline from NCC.
20. [eITS#250500077]
    When the certificate list is empty, the manual selection field is marked in red to indicate a missing certificate.
21. [eITS#250500308]
    Resolved an issue related to user account queries that caused inefficient memory usage.
22. [eITS#250500336]
    Translation issues in the user interface. Improved accuracy and clarity of translations.
23. [eITS#250501361]
    Unable to use "-" in Content filter redirect URL issue.
24. [eITS#250501496]
    MacBook is not able to get configuration from server with SecuExtender VPN client.

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25. [eITS#250600290]
    The DHCP Option code 43 cannot be configured on the web GUI.
26. [eITS#250600376]
    Admin login fail event is not correct.
27. [eITS#250600378]
    The Mail Alert feature did not support multiple selections.
28. [eITS#250600733]
    The client did not appear in the NCC client list as expected.
29. [eITS#250601347]
    GUI Note for email: valid character does not show [0-9].
30. [eITS#250601674, 250700954]
    SSL VPN is not able to be connected.
31. [eITS#250700034]
    Revise the VPN configuration saving method to prevent user errors.

[AP Controller]

1. [eITS #250400906]
   SSID Settings Page Stuck in Continuous Loading Loop
2. [eITS #250701103, eITS #250701190]
   WPA-Enterprise Default Authentication Certificate Expired

- Upgrade your devices to uOS1.35 for enhanced protection against the CVE references listed, as uOS1.35 is no longer vulnerable to them.
  - CVE-2024-8176

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Features: V1.32(A___.0)C0

Modifications in V1.32(A___.0)C0 -- 2025/04/09

Feature

1. [Enhancement] Support DoT/DoH Blocking.
2. [Enhancement] Support Application Patrol allow list to allow only specified applications. [eITS#240900222].
3. [Enhancement] Support Sign-on Captive Portal (Web authentication policy). Behavior change notice: Since uOS 1.32, only users listed in the Captive Portal authentication policy can log in and access the Internet through the device. Parameter:

Maximum Authentication Policy	10
Maximum Exempt List per Policy	50
Maximum Walled Garden per Policy	30

4. [Enhancement] Support Tailscale VPN.
5. [Enhancement] IPsec VPN support Bridge interface.
6. [Enhancement] Support LAG (Link Aggregation) interface.
7. [Enhancement] Support external user group.
8. [Enhancement] Bandwidth Management support schedule, rule type per-user and per-source-ip.
9. [Enhancement] Support AP Controller with Secure WiFi service.
   Special Notice: Remote AP and Tunnel AP are not supported yet; support is planned for the July 2026 release.
   a. Managed AP Numbers:

Model Name	Default Manageable AP Numbers	Maximum Manageable AP Numbers
USG FLEX 50H/50HP	8	12
USG FLEX 100H/100HP	8	24
USG FLEX 200H/200HP	8	40
USG FLEX 500H	8	72
USG FLEX 700H	8	520

   b. Wireless configuration for AP Controller and AP management.

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c. Support AP Controller and AP Log settings and events.
d. Support AP Controller SNMP.
e. Unmask SSID pre-shared key. [eITS#220200760, 230101321]
f. Gold Security Pack add Secure WiFi service and Support a-la-carte Secure WiFi license.
g. Support IEEE 802.1x authentication.
h. Support APC smart mesh.

10. [Enhancement] Support Route Trace. [eITS#230900984]
11. [Enhancement] Device HA enhancement:
    a. Device SYS LED to display Device HA pairing status.
    b. Support virtual MAC algorithm.
    c. Device HA status display full sync. information config/file lists.
    d. Support Pause Device HA function for troubleshooting.
    e. For a better user experience, a prompt will appear when uploading firmware via the GUI on a Device-HA setup.
12. [Enhancement] Support Smart Sync.: Nebula and Device local configuration synchronization.
13. [Enhancement] Support Nebula Auto-link VPN (non-nebula VPN).
14. [Enhancement] Support Nebula NAT, Routing, Security Policy and Firewall settings.
15. [Enhancement] Support Nebula Application/Client usage monitoring.
16. [Enhancement] User experience enhancements:
    a. Add “Renew” button in Network status > Interface when wan is DHCP client. [eITS#250100625]
    b. Update the “Release” icon at Network Status > DHCP Table.
    c. On the Interface Configuration page, add a mechanism to check for Static IP and subnet overlap.
    d. Update the i-note at Remote Access IPsec and SSL VPN, to make it more clearly.
    e. Device reboot event email content fine tune and more information.
17. [Feature Change] "My Certificates" and "Trust Certificates" are each limited to a maximum of 10 certificates.
18. [Feature Change] The GUI will no longer auto-generate Ethernet interfaces upon removal, instead prompting a warning; "eth" interfaces will now be displayed in the Interface Summary, auto-removal behavior is removed, and a new warning will appear if a VLAN interface exists without a corresponding Ethernet interface. [eITS#250200421]

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19. [Feature Change] System > Settings Remove the 'HTTP/HTTPS Auth Server' section.

Bug Fix

1. [eITS#160200757]
   HA Certificate sync. Issue.
2. [eITS#210800986]
   Enhancement: Auto whitelisting source IP in backend when VPN tunnels phase 1 is done.
3. [eITS#221200441]
   When Slave device becomes Active, then in the top icon bar SecuReporter icon is missing.
4. [eITS#241001254, 241200549]
   VPN Pre-shared key is not working when the character " is included.
5. [eITS#241200131]
   Sending the email report takes over 15 minutes.
6. [eITS#241200902]
   SSL/TLS DoS vulnerabilities (disable DHE).
7. [eITS#241200916]
   Enhancement: Support consumption mode by default and support multiple PoE devices.
8. [eITS#250100196]
   Enhancement: When using Nebula mode to upgrade firmware, the firmware will be updated in the standby partition.
9. [eITS#250100275]
   Security Policy User filter does not work for OpenVPN SSL user account.
10. [eITS#250100382]
    The sandboxing feature causes the firewall reboot unexpectedly.
11. [eITS#250100489]
    Remove the unused DOMPurify package.
12. [eITS#250100640, 250201503, 250300781]
    Need to remove unsupported settings before using converter.
13. [eITS#250100845, 250101359]
    After logging to firewall, the dashboard is not loading and an error message pops up.
14. [eITS#250100862]

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The file still exists on the page of System Log Archives in USB Storage unless you refresh the page.

15. [eITS#250101171]
    Test Web Site Category feature is not working.
16. [eITS#250101226]
    After updating the PFS in Phase2 and saving it, the VPN script does not update the new PFS value (DH5).
17. [eITS#250101289]
    When User “Any” is selected, it is not able to authenticate RADIUS users in IKEv2 Remote Access VPN.
18. [eITS#250101306]
    The event log shows multiple "Category query fail-open" messages.
19. [eITS#250101367]
    Once the console speed is set to 9600 in PuTTY, the firewall generates noise characters in the console output.
20. [eITS#250101511]
    Port 13 and port 14 LED light are not working on USG FLEX 700H.
21. [eITS#250101598]
    After logging to firewall, the dashboard is not loading and an error message pops up.
22. [eITS#250101643]
    The event log shows multiple "Category query fail-open" messages.
23. [eITS#250101686]
    Test Web Site Category feature not working.
24. [eITS#250101765]
    Get config fail message when edit config.
25. [eITS#250101835]
    The size of Nebula certificate on firewall is 0 (Null) that causes firewall not able to get license status.
26. [eITS#250200057]
    DNS Content Filter and DNS Threat Filter services cause device reboot.
27. [eITS#250200097]
    The event log shows multiple "Category query fail-open" messages.
28. [eITS#250200141]
    The DNS filter feature causes the firewall reboot unexpectedly.
29. [eITS#250200161]
    DNS Content Filter and DNS Threat Filter services cause network slow.

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30. [eITS#250200309]
    The DNS content filter feature causes the firewall to unexpectedly reboot.
31. [eITS#250200344]
    Receiving empty alert content when using Office 365 as SMTP server.
32. [eITS#250200466]
    The routing status incorrectly displays the local and remote policies by swapping them around.
33. [eITS#250200608]
    Bridge interface and member disappear.
34. [eITS#250201019]
    GUI shows unable to save/write the startup configuration.
35. [eITS#250201655]
    USG FLEX 700H reboots randomly.
36. [eITS#250301115]
    USG Flex 700H rebooted unexpectedly.
37. [eITS#250301533]
    Login User show "-1".

- Upgrade your devices to uOS1.32 for enhanced protection against the CVE references listed, as uOS1.32 is no longer vulnerable to them.
  - CVE-2025-1731
  - CVE-2025-1732

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Features: V1.31(A___.0)C0

Modifications in V1.31(A___.0)C0 -- 2025/01/07

Feature

1. [Enhancement] Support Device HA (Active-Passive mode)
2. [Enhancement] Support Event Notification, sending emails for event and alert logs.
3. [Enhancement] Support Packet Flow Explore
4. [Enhancement] Support SIP ALG
5. [Enhancement] Support Policy-based Site to Site VPN with NAT (NAT over IPsec)
6. [Enhancement] Support Nebula VPN
7. [Enhancement] Support Device and Nebula seamless configuration synchronization.
8. [Enhancement] Support Nebula Firewall Interface settings.
9. [Enhancement] Support Nebula Firewall Object settings.
10. [Enhancement] Support Nebula Auto Rollback WAN function for ISP (Change to a different ISP).
11. [Enhancement] Support Lockout user list that allows admins perform unlock actions.
12. [Enhancement] IPsec VPN Phase 2 now supports Address object selection.
13. [Enhancement] Add USB storage disk full warning.
14. [Enhancement] Support Recovery Manager, one-click backup for configurations and certificates.
15. [Enhancement] Usability enhancements:
    a. Added ""Nebula Status"" to System Dashboard > System.
    b. Added Cloud Firmware download icon to System Dashboard > System when new firmware is available.
    c. Added disconnected legend to System Dashboard > Port.
    d. Added search field to Address and Service Object.
    e. Improved GUI usability, including scroll bar adjustments, DHCP Extended Option reminders, and interface table refinements."
16. [Feature Change] Update Reset button behavior by pressing the Reset button for more than 7 seconds will now retain certificates and user configurations.
17. [Feature Change] The default payload size for "Drop SYN with Payload Pkt" has

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been modified to 1 byte. [eITS#240901862]
18. [Feature Change] No License Required for Application Usage/Traffic
19. [Feature Change] Updated the Mail Server layout, including the default sender and receiver email addresses

Bug Fix

1. [eITS#240600109]
   NAT rule affects VPN traffic when the NAT destination setting is Any
2. [eITS#240801135]
   CPU usage of core0 and core1 is high even if just a few clients are connected in LAN.
3. [eITS#240801153]
   If the firewall runs for a few days, the memory usage will gradually increase.
4. [eITS#240801231]
   The CF service will perform additional scanning, which may increase memory usage and lead to system reboots.
5. [eITS#240801470]
   Local out traffic failure if WAN(Static IP) isn't in Trunk member
6. [eITS#240801545]
   External block list can't update if HTTP no content-length header
7. [eITS#240801656]
   When accessing the device dashboard, it remains in a loading state, and the security policy is missing from the web GUI.
8. [eITS#240801699]
   The syslog daemon dead and leads firewall is unable to send out the syslog to server.
9. [eITS#240801798]
   No settings are displayed in the web GUI when the device has been running for around 5 to 10 days.
10. [eITS#240900150]
    Sometime USG FLEX 100H becomes unresponsive.
11. [eITS#240900509]
    Network is very slow and GUI can't load
12. [eITS#240900523]
    Apply config failed after the device is upgraded to 1.30 version.
13. [eITS#240901455]

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Firewall will keep CF query until the server reply to firewall. If server stops replying or replies slow, it will affect firewall memory high and may lead reboot.

14. [eITS#240901725]
    Stability issue when DNS Domain scan is enabled.
15. [eITS#240901822]
    Can't remove group of user profile
16. [eITS#241000324]
    Multiple entries in the DHCP list are missing MAC addresses.
17. [eITS#241000471]
    Unable to delete an empty user group; the GUI becomes unresponsive and freezes.
18. [eITS#241000768]
    CPU usage becomes high when ZSDN sync
19. [eITS#241000983]
    An error message pops up when creating a VLAN or Ethernet interface.
20. [eITS#241001089]
    In DDNS settings, DDNS update status is "Update Failed" when the primary address is "Public IP".
21. [eITS#241001229]
    The device failed to apply configuration file after upgraded from 1.21WK40 to 1.30. It will roll back to the original firmware partition 1.21WK40.
22. [eITS#241001300]
    DHCP service stops for no reason, and LAN hosts cannot obtain an IP address from the firewall.
23. [eITS#241001397]
    Unable to delete multiple “*.log” files at once.
24. [eITS#241001550]
    Display of Security Policy jumps randomly
25. [eITS#241001778]
    GUI should stop duplicated MAC for reserved DHCP client
26. [eITS#241100097]
    DHCP table becomes empty after firmware upgrade
27. [eITS#241100219, 241100331]
    LAN and VLAN clients experience ping timeouts to 8.8.8.8 and slow internet access/download speeds.
28. [eITS#241100235, 241200863]

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The WAN trunk WRR algorithm is not working as expected; all traffic is routed through a specific WAN interface.

29. [eITS#241100473]
    The " character in VPN PSK setting causes VPN tunnel doesn't work and system is unable to delete completely from system.
30. [eITS#241100480]
    The VPN service is affected by the NAT service, causing data traffic to be unable to pass through.
31. [eITS#241100518]
    Improve USG FLEX 700 FAN noises
32. [eITS#241100535]
    The firewall reboots unexpectedly due to a memory leak caused by VPN rekey failures
33. [eITS#241100601]
    The PoE port stops working after the firmware update to 1.30, and both ports cannot operate simultaneously.
34. [eITS#241101398]
    (1)The firewall stopped sending syslogs to the syslog server.
    (2) The syslogs show a UTC+0 timestamp instead of the corresponding timestamp for the configured time zone.
35. [eITS#241101415]
    Google MFA binding fails, and no backup codes are displayed in the web GUI.
36. [eITS#241101660]
    If user defined "any" as External IP in NAT rules, it affects VPN traffic matches the rule even if the Incoming interface is configured as "WAN" interface but not VTI interface.
37. [eITS#241200162]
    Unable to delete a user in User Authentication > User/Group > User. The button "Remove" is greyed out.
38. [eITS#241200665]
    SSLVPN provision is not working

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Features: V1.30(A___.1)C0

Modifications in V1.30(A___.1)C0 -- 2024/11/06

Bug Fix

1. [Bug Fix][eITS#241001349, 241001408, 241001709]
   Unable to upgrade the device from 1.21 to 1.30. It failed to apply configuration file and roll back to the original partition 1.21.
2. [Bug Fix][eITS#241001734]
   Upgrade firmware to 1.21 to 1.30 firmware the system will going as expected. But after reboot firewall manually, the configuration will become to system default.
3. [Bug Fix][eITS#241001817]
   Geo DB back to default signature after rebooted.

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Features: V1.30(A___.0)C0

Modifications in V1.30(A___.0)C0 -- 2024/10/16

Feature

1. [Enhancement] Support Nebula Topology.
2. [Enhancement] Support Nebula Security Profile Sync.
3. [Enhancement] Support Nebula Site-wide management Device Status feature for comprehensive network oversight.
4. [Enhancement] Support Nebula site-wide management Event Log.
5. [Enhancement] The USG FLEX H series now supports the Entry Defense Pack license, which includes Reputation Filter, SecuReporter, and Priority Support features.
6. [Enhancement] Support Source IP Spoofing Prevention (IP/MAC binding). [eITS#240300026, 210300781]
7. [Enhancement] Support FQDN Address Object. [eITS#230800339, 230900214, 221001833, 221200385, 230600766, 240500098]
8. [Enhancement] BWM support Bridge (Routing mode), PPPoE and VTI interface.
9. [Enhancement] Support Web Console.
10. [Enhancement] Remote Access IPsec VPN support behind NAT scenario.
11. [Enhancement] Support Password complexity for Local user and admin.
12. [Enhancement] Support Scheduling Reboot.
13. [Enhancement] Support PoE power reset at Dashboard > Port Status.
14. [Enhancement] Support sending of scheduled backup configuration via email.
15. [Enhancement] Support "Drop Invalid TCP Flags Packet" at System > Advanced.
16. [Enhancement] Support “Drop TCP SYN Packet” with abnormal payload at System > Advanced.
17. [Enhancement] Support Proton VPN to the APP patrol category "Tunneling". [eITS#221000252]
18. [Enhancement] Support email configuration file with Encryption function. [eITS#240500775]
19. [Enhancement] Support Bridge-Routing mode scenarios. [eITS#230700789]
20. [Enhancement] Support 802.1P Priority on VLAN interface. [eITS#240501460, 240500746]
21. [Enhancement] Support USB Storage log rotate function. [eITS#160301602]
22. [Enhancement] Support more troubleshooting diagnostic files at Diagnostic >

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System log: apply-config-error, boot-config-error, ipsecvpn.

23. [Enhancement] Diagnostic > Network Tool add IPsec Trace Log for IPsec VPN troubleshooting.
24. [Enhancement] Diagnostic > Network Tool add Nebula Connection Status check.
25. [Enhancement] Support firmware automatic fallback mechanism.
26. [Enhancement] Add Priority Support at Tool Bar > Help, that user can open support tickets for prioritized assistance with Licenses.
27. [Enhancement] Add VLAN ID information in the DHCP Table. [eITS#231101504]
28. [Enhancement] Improve the IPS signature searching efficiency. [eITS#230900165]
29. [Enhancement] Change Dashboard Virtual Device style and add the link speed by colors.
30. [Enhancement] Support USB Storage status at Dashboard.
31. [Enhancement] Usability enhancements:
    a. Add check and validation of the Reserved IP Hostname at DHCP Table.
    b. Add Security Profile Sync reminding message when use edit or remove Security services at local GUI.
    c. The Tx and Rx values should be displayed at the same time point in the flowchart. [eITS#231000421]
    d. The log settings display a minus circle, indicating that some log categories are selected.
32. [Feature Change] change the "myZyxel.com" log category name to "License".
33. [Feature Change] Change the default enabled log categories.
34. [Feature Change] Default enable the LLDP function (System > Advanced).
35. [Feature Change] move myZyxel.com log to cloud-helper category.

Bug Fix

1. [Bug Fix][eITS#230500151]
   Once too many objects are configured in App Patrol profile, it will cause the device to get stuck.
2. [Bug Fix][eITS#230701453]
   Duplicate packets when capturing ICMP packets.
3. [Bug Fix][eITS#231201131]
   When users login to device with 2FA, event logs shows “0.0.0.0” in both source and destination IP address. There is no destination IP in the log of

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Administrator login.

4. [Bug Fix][eITS#240400191]
   It takes a long time for the interface to get the IP.
5. [Bug Fix][eITS#240400563]
   High memory usage.
6. [Bug Fix][eITS#240500400]
   SNMP query is not responding.
7. [Bug Fix][eITS#240600660]
   If connecting the Zyxel SFP 10G-T (RJ45), P13 or P14 of USG FLEX 700H become port down.
8. [Bug Fix][eITS#240601179]
   The dashboard memory usage and SNMP query do not match.
9. [Bug Fix][eITS#240601626]
   Deleting default Security Policy for SSL VPN will be re-created after a reboot.
10. [Bug Fix][eITS#240700792]
    Device hang up
11. [Bug Fix][eITS#240700915]
    In Network status > DHCP table > Click Add, the Host name shows the remind message as “The value in this field is duplicate"" even there is no duplicated host name.
12. [Bug Fix][eITS#240700919]
    If specific characters is configured in DHCP IP reservation, it causes DHCP function stop to work.
13. [Bug Fix][eITS#240701396]
    2FA doesn't work after the power cord is removed and reconnected.
14. [Bug Fix][eITS#240701628]
    (Sweep) UDP Sweep should be in uppercase.
15. [Bug Fix][eITS#240701749]
    Change IPS signature GUI style.
16. [Bug Fix][eITS#240701765]
    Virtual server is not working after firewall reboot.
17. [Bug Fix][eITS#240701793]
    DHCP process stop to work if specific HOST character in reserved hosts.
18. [Bug Fix][eITS#240701946]
    Fail to capture ICMP packet when split threshold value is not the default.
19. [Bug Fix][eITS#240800592]
    It takes a long time for the interface to get the IP.

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20.[Bug Fix][eITS#240800778]
If specific characters are configured in DHCP IP reservation, it will cause DHCP function stop to work.
21. [Bug Fix][eITS#240800822]
In VPN Status > SSL VPN, there is “Disconnect” button but it is always greyed out.
22.[Bug Fix][eITS#240800866]
The memory usage on the USG FLEX 700H reached 91% after running for 9 days.
23.[Bug Fix][eITS#240801054]
Static DHCP entries cannot be edited.
24. [Bug Fix][eITS#240801364]
If the referenced IP address group includes any "empty" address object, the policy control rule will behave unexpectedly.
25.[Bug Fix][eITS#240801540, 240801470]
Main Route should involve Active interface regardless static IP or DHCP and even if not the trunk member.
26.[Bug Fix][eITS#240801732]
Network is instable when MTU lower 1500.
27.[Bug Fix][eITS#240801834]
On dashboard CPU% chart, it shows core1 to core4. However, in diagnostics > CPU/Memory Status, it shows CPU0 to CPU3.
28.[Bug Fix][eITS#240900132]
When you download multiple VPN profiles on iOS, a new file removes the existing profile.
29.[Bug Fix][eITS#240900141]
The SSL VPN connection cannot be blocked from accessing the defined Local Network by the security policy's default rule.
30. [Bug Fix][eITS#240900292]
Cannot join the domain because the NetBIOS domain name starts with a number, such as 123zyxel.com.
31. [Bug Fix][eITS#240901043]
There are many “Two-factor Auth. daemon: uam_read_event error, ret = -1” logs on the collected USB log file.
32.[Bug Fix][eITS#240901052]
Unable to change DNS order.
33.[Bug Fix][eITS#240901130]

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Device rebooted unexpectedly since lock incorrect parameters.

34. [Bug Fix][eITS#240901316]
    Unable to add VLAN to the port interface.
35. [Bug Fix][eITS#241000008]
    DHCP reservation keeps loading continuously when clicking the ""Reserve"" button. The issue can be seen in remote site.
36. [Bug Fix][ZNGA-5381]
    Disable Force change password will reset the Default Authentication Timeout Settings.
37. [Bug Fix][ZNGA-5378]
    From tooltip to edit Zone will not show any Interface in the selection list.
38. [Bug Fix][ZNGA-5458]
    The display of what's new content will run into auto refresh loop if opened from the dashboard.

- Upgrade your devices to uOS1.30 for enhanced protection against the CVE references listed, as uOS1.30 is no longer vulnerable to them.
  - CVE-2024-6387
  - CVE-2024-9677

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Features: V1.21(A___.0)C0

Modifications in V1.21(A___.0)C0 -- 2024/07/16

Feature

1. [Enhancement] Content Filter/SSL Inspection support inspect TLS 1.3 hybridized Kyber session. [eITS#240401693, 240401220, 240401350][ZNGA-4890, 4960, 5005]
2. [Enhancement] Support modify Zone in IPsec/SSL Remote Access VPN. [ZNGA-5018, 5020]
3. [Enhancement] Newly supported applications include: Zoom, Webex, Google Meet, Skype, WeChat, Yandex Stream for Bandwidth Management. [eITS#210800391, 220200469][ZNGA-4906, 4907]
4. [Enhancement] Usability enhancements:
    a. Add License Service expiration notification. [ZNGA-4830, 4833, 4834]
    b. A memory check mechanism has been added for firmware upgrades, with a pop-up reminder message. [ZNGA-4732, 4775, 4777, 4778, 4779]
    c. Tooltips can be clicked to redirect and edit the objects. [eITS#230900100] [ZNGA-3681]
    d. Add a redirect link to SecuReporter at security statistics page, allowing users to easily check historical data. [ZNGA-4824]
    e. Add SecuReporter tutorial video. [ZNGA-4825]
    f. Unify the Timestamp format for statistic graphics. [ZNGA-4887]
    g. Display or hide settings for table columns can be saved. [ZNGA-4392]
    h. Enhance the user interface entry fields to be wider for better key-in visibility. [eITS#230701262][ZNGA-4911]
    i. Add pattern validation for the subject of certificate. [ZNGA-4695]
    j. Fine tune the hint message to make it more precise. [ZNGA-4807]
    k. Support scan statistics of sandboxing on SecuReporter. [eITS#240501652] [ZNGA-5289]
5. [Feature Change] Hidden the PKCS#12 password for security. [eITS#231200194][ZNGA-4909]
6. [Feature Change] Stop Cloud firmware updates if the current firmware is Project/ITS firmware to avoid losing ITS-specific bug fixes. [ZNGA-4989, 4990]
7. [Feature Change] Change FTP ALG default settings: [eITS#231201239][ZNGA-4908]

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a. Enable FTP ATG from Disable to Enable.
b. Enable FTP Transformation from Disable to Enable.

Bug Fix

1. [Bug Fix][eITS#231100879][ZNGA-4071]
   Open another website will redirect to uOS after logout.
2. [Bug Fix][eITS#231200398][ZNGA-4269]
   The device becomes unresponsive and stop processing traffic.
3. [Bug Fix][eITS#240100668][ZNGA-4539]
   Remote access VPN cannot be established.
4. [Bug Fix][eITS#240201429][ZNGA-4753]
   The device becomes unresponsive.
5. [Bug Fix][eITS#240301616][ZNGA-4782]
   Unable to establish SSL VPN using OpenVPN on mobile phone.
6. [Bug Fix][eITS#240400076][ZNGA-4836]
   iOS OpenVPN traffic cannot go through VPN tunnel to Internet in full tunnel mode.
7. [Bug Fix][eITS#240400192][ZNGA-4847]
   The device rebooted unexpectedly.
8. [Bug Fix][eITS#240400989][ZNGA-4874]
   Incorrect IPS and Sandboxing statistical data on SecuReporter.
9. [Bug Fix][eITS#240401060, 240600483][ZNGA-4882]
   USG FLEX 200H works properly but it is always offline on Nebula.
10. [Bug Fix][eITS#240401303][ZNGA-4894]
    Error message: "Unable to save/write the startup config ..." appears when moving policy route order.
11. [Bug Fix][eITS#240401280][ZNGA-4895]
    VPN configuration page gets stuck on loading when setup.
12. [Bug Fix][eITS#240500136][ZNGA-4955]
    Use CLI to create "Configuration backup schedule". If the minute value is '00', it is not displayed in the GUI, only the hour.
13. [Bug Fix][eITS#240500140][ZNGA-4988]
    Search Base in Active Directory is not working.
14. [Bug Fix][eITS#240401531][ZNGA-4991]
    Site-to-site VPN traffic goes to the wrong zone for security policy management.

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15. [Bug Fix][eITS#240500438][ZNGA-5069]
    Security policy is not working after modify the action from allow to deny in bridge mode.
16. [Bug Fix][eITS#240500522][ZNGA-5004]
    Unable to apply imported configuration file.
17. [Bug Fix][eITS#240501331][ZNGA-5056]
    Typo on USG FLEX H.
18. [Bug Fix][eITS#240501546][ZNGA-5098]
    Network Status -> DHCP Table sorting order works incorrectly.
19. [Bug Fix][eITS#240600115][ZNGA-5115]
    If 00 is configured as minute in Configure Backup schedule > Enable Auto Backup > Daily, it becomes empty after the settings are saved.
20. [Bug Fix][eITS#240600764][ZNGA-5258]
    NAT rule cannot be applied properly.
21. [Bug Fix][eITS#240600735][ZNGA-5259]
    On Site to Site VPN monitor page, it shows all VPN tunnels are disconnected even they are properly connected.
22. [Bug Fix][eITS#240601117][ZNGA-5271]
    NAT rule does not take effect after object type "interface IP" is used.
23. [Bug Fix][eITS#240501404][ZNGA-5286]
    USG FLEX 100H works properly but it is always offline on Nebula.
24. [Bug Fix][eITS#240600305][ZNGA-5287]
    Policy route health check does not work as expected. It is always "down" even wan link is up and ping check is successful.
25. [Bug Fix][eITS#240500726][ZNGA-5382]
    SSL VPN tunnel disconnects after 60 minutes.
26. [Bug Fix][eITS#240600938][ZNGA-5383]
    DDNS is unable to be updated.
27. [Bug Fix][eITS#240601358][ZNGA-5386]
    Service disappear from service group after device reboots.
28. [Bug Fix][ZNGA-3402, 3314]
    Malfunction when set banner via CLI command.
29. [Bug Fix][ZNGA-4754]
    IPSec VPN VTI interface ping check cannot trigger IKE negotiation.
30. [Bug Fix][ZNGA-4762]
    [GUI/Policy Route] Change browser to Firefox then move rule will appear error undefined.

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31. [Bug Fix][ZNGA-4768]
    [File Manager] DUT will not reboot when apply system-default.conf.
32. [Bug Fix][ZNGA-4846]
    VTI interface in user defined Trunk is not working.
33. [Bug Fix][ZNGA-4883]
    [Remote Access IPsec VPN] Add admin user type into Remote Access VPN results in failure to provision the Remote Access IPsec VPN configuration to local user.
34. [Bug Fix][ZNGA-5036]
    Users may encounter issues where the DHCP Relay retains outdated IP addresses and upstream interface configurations.
35. [Bug Fix][ZNGA-5042]
    An unexpected behavior occurs in the DHCP Relay functionality when the upstream interface setting is left empty or set to any other interface.
36. [Bug Fix][ZNGA-5045]
    When the PPPoE interface is active, other VLANs cannot obtain IP addresses.
37. [Bug Fix][ZNGA-5091]
    [Interface/GUI] Remove port from port group that GUI will keep loading
38. [Bug Fix][ZNGA-5094]
    DHCP option 46 is not working.
39. [Bug Fix][ZNGA-5102]
    DHCP Relay interface is same as upstream interface, then the DHCP Relay will not work.

- Upgrade your devices to uOS1.21 for enhanced protection against the CVE references listed, as uOS1.21 is no longer vulnerable to them.
  - CVE-2024-3596

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Features: V1.20(A___.2)C0

Modifications in V1.20(A___.2)C0 -- 2024/06/04

Bug Fix

1. [Bug Fix] [eITS#240501707, 240501747]
   DHCP server doesn't work on VLAN interface.

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Features: V1.20(A___.1)C0

Modifications in V1.20(A___.1)C0 -- 2024/05/21

Bug Fix

1. [Bug Fix][eITS#240400401][ZNGA-4854]
   Where DHCP relay traffic was not being sent over the tunnel.
2. [Bug Fix][eITS#240401226][ZNGA-4891]
   CF profile reference display issue.
3. [Bug Fix][eITS#240401237][ZNGA-4892]
   Devices became unresponsive when modifying bandwidth management rules.
4. [Bug Fix][eITS#240401564][ZNGA-4926, 4965]
   Unclear service port conflict messages prevented configuration changes.
5. [Bug Fix][eITS#240500137][ZNGA-4971]
   The site-to-site tunnel could not connect when the pre-shared key included ' or ".

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Features: V1.20(A___.0)C0

Modifications in V1.20(A___.0)C0 -- 2024/04/18

Feature

1. [Enhancement][eITS#230701372] Support External Block List for Reputation Filter. (ZNGA-1125,1126,1127,4023)
2. [Enhancement] Support ARP Spoofing Protection.
3. [Enhancement] Reputation Filter supports the Allow List push from SecuReporter portal. (ZNGA-3267, 3268, 3269)
4. [Enhancement] Support VPN failover. (ZNGA-3456,2883,2819,1700,532)
5. [Enhancement] Support Bandwidth Management (BWM). (ZNGA-3705, 4548, 4366)
6. [Enhancement] Add Copy function for Security Policy. (ZNGA-3723)
7. [Enhancement] Support Microsoft AD Authentication for IPsec/SSL Remote Access VPN. (ZNGA-1134,3163,3272,4373)
8. [Enhancement] Support LDAP external Authentication for SSL Remote Access VPN. (ZNGA-1565)
9. [Enhancement] Allow conversion from Wizard-type to Custom-type on the VPN Wizard edit page.
10. [Enhancement] VPN Wizard edit page: add 'Go to Static Route' link when edit route-based rule. (ZNGA-4660)
11. [Enhancement] Support SSL VPN add to Zone. (ZNGA-4138,4492)
12. [Enhancement] Support two-factor authentication for VPN access using Google/Microsoft Authenticator. (ZNGA-4162,442)
13. [Enhancement] Site-to-Site VPN Wizard and Custom type add Routes conflict check.
14. [Enhancement] Support failover for Static Route and Policy Route through ping-check. (ZNGA-1705)
15. [Enhancement] [eITS#230801176] Support VTI in Policy Route. (ZNGA-2393,3445,3456,3678)
16. [Enhancement] [eITS#230801177] Support policy route health check. (ZNGA-3744,4186)
17. [Enhancement] Implement rule-based hit count information for Security Policy and Policy Route. (ZNGA-3142,3487)

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18. [Enhancement][eITS#230700790] Add disable option for Global Zone Forwarder. (ZNGA-3680)
19. [Enhancement][eITS#240101556] Add Services Port conflict check and message. (ZNGA-4612,4712,4487)
20. [Enhancement] Add status column and Routes conflict check in Static Router page. (ZNGA-4614)
21. [Enhancement][eITS#230700934] Support modify MAC address for Ethernet Interface & VLAN Interface. (ZNGA-3291, 923)
22. [Enhancement] DHCP enhancement:
    a. DHCP Table add Edit action and Description column. (ZNGA-3695)
    b. DHCP Table add Host Name duplicated check in Static IP.
    c. [eITS#230800272, 231200626] Support DHCP extended options to internal interfaces. (ZNGA-3740,4793)
    d. On the Network > Interface page, automatically fill in the Start IP field in the DHCP Server section when editing or adding LAN settings. (ZNGA-3702)
23. [Enhancement] [eITS#230800732] DDNS supports behind NAT scenario that will update the public IP. (ZNGA-3743)
24. [Enhancement] Implement DDNS failover based on the connection status of the interface. (ZNGA-4176)
25. [Enhancement] Support Session Control function. (ZNGA-419)
26. [Enhancement] Bridge interface add "Role" setting (ZNGA-4338)
27. [Enhancement] add "VLAN ID" column in the Interface page. (ZNGA-4009)
28. [Enhancement] Implement automatic update functionality for the GeoIP database and Certificates. (ZNGA-3790,4670)
29. [Enhancement] Support CIDR Notation. (ZNGA-3396, Seeding#1278)
30. [Enhancement] Add GeoIP country information in the Log/Events page. (ZNGA-3520)
31. [Enhancement] Add address object range hint message at Address Object. (ZNGA-4377)
32. [Enhancement] New Add Traffic Statistics > Application Usage. (ZNGA-22,4183)
33. [Enhancement] Device Insight enhancement:
    a. Add Astra data source to Device Insight. (ZNGA-3266, 3965, 4285)
    b. Gray out the 'Remove' button when a Blocked client is selected. (ZNGA-4734)
34. [Enhancement] [eITS#230701224] Stop username from being capitalized when Login. (ZNGA-3359)

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35. [Enhancement] Display boot up status at System Dashboard. (ZNGA-3538)
36. [Enhancement] [eITS#230800348] Double-click to enter Edit mode. (ZNGA-3540)
37. [Enhancement] Display session duration in the format of hh:mm:ss in the Session Monitor. (ZNGA-3691)
38. [Enhancement] Add Export function at Log page (Export to Excel file). (ZNGA-2971)
39. [Enhancement] Enhance the configuration backup feature to only perform a backup when there are changes to the configuration. (ZNGA-3734)
40. [Enhancement][eITS#230800053] Add description field to Allow/Block list for the security services. (ZNGA-3738)
41. [Enhancement] [eITS#230800351] Revise the GUI grid table resizing behavior,
42. introducing a new 'Fit View' functionality. (ZNGA-3741)
43. [Enhancement] [eITS#230801252] Add the system language setting to the top right corner. (ZNGA-3745)
44. [Enhancement] Add an 'Advanced' page within the System category. This 'Advanced' page allows users to adjust System Parameters, such as UDP/ICMP timeout, and includes toggles for enabling or disabling Additional Features. (ZNGA-3941)
45. [Enhancement] Log event add Src. Port (Source Port) and Dst. Port (Destination Port) information. (ZNGA-4003)
46. [Enhancement] Implement hover effects on action icons. (ZNGA-4087)
47. [Enhancement] Initial Setup Wizard refine the Nebula onboarding flow. (ZNGA-4093)
48. [Enhancement] Support Configuration File test/verify function. (ZNGA-4337)
49. [Enhancement] Troubleshooting enhancement:
    a. Display error message at Console when apply configuration failed. (ZNGA-3797)
    b. Display boot up status and message at Console. (ZNGA-3799)
    c. Allow copying the configuration to a USB drive using the command-line interface (CLI). (ZNGA-3892)
    d. Diagnostic content add a file of Boot & Apply process logs. (ZNGA-4165)
    e. Add file header to the configuration file. (ZNGA-4364)
50. [Enhancement] Click "The latest log" title in System Dashboard will redirect to the Log/Event page. (ZNGA-4250)
51. [Enhancement] Implement the new filter style on the Log page and Session Monitor. (ZNGA-4355,4542)

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52. [Enhancement] Change address object type 'CIDR' to 'SUBNET' (ZNGA-4375)
53. [Enhancement] Object pages to add ‘Description’ column. (ZNGA-4376)
54. [Enhancement] Add URL report link at Content Filter General and URL Threat Filter General page. (ZNGA-4552)
55. [Enhancement] Email Daily Report add Application Usage. (ZNGA-4554,4591)
56. [Feature Change] DoS Prevention is turned off by default. (ZNGA-4444)
57. [Feature Change] Default enable the "Auto Reboot" function when doing Firmware Auto Update and Remove the on/off from GUI (ZNGA-4751)
58. [Feature Change] By default, PoE power is disabled on Port 3 and Port 4 for USG FLEX 700H. (ZNGA-4360)
59. [Feature Change] Menu Tree adjustment (ZNGA-4371):
    a. Change 'System Statistics' to 'Traffic Statistics'
    b. Move out "Session Monitor" to 'Traffic Statistics'
    c. Remove "Resource" from 'Traffic Statistics'. Resource data can be read at System Dashboard.
    d. New add "Application Usage" to 'Traffic Statistics'
    e. Move Device Insight on/off to "Advanced" page

Bug Fix

1. [Bug Fix][eITS#230700936][ZNGA-3339]
   Interface setting is ineffective after interface type is changed.
2. [Bug Fix][eITS#230701023][ZNGA-3309]
   NAT rule is not working.
3. [Bug Fix][eITS#230701149][ZNGA-3333]
   Add static DHCP reservation entries in Network > Interface.
4. [Bug Fix][eITS#230800882][ZNGA-3478]
   Devices should not respond to DNS queries originating from the WAN interface when a security policy with content filtering is applied between the WAN and WAN interfaces.
5. [Bug Fix][eITS#230801575][ZNGA-3593]
   Firewall local-out SNAT does not work.
6. [Bug Fix][eITS#230900765][ZNGA-3755]
   Firewall do Destination NAT even if TCP first packet is not SYN.
7. [Bug Fix][eITS#230900864][ZNGA-3776]
   Unable to disable DHCP server of all interfaces.
8. [Bug Fix][eITS#230901363][ZNGA-3862]

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Under the EEE feature, the AP may encounter compatibility issues with certain devices.

9. [Bug Fix][eITS#230901052][ZNGA-3812]
   DNAT cannot work.
10. [Bug Fix][eITS#231000138][ZNGA-3872]
    With AES128/SHA256 with DH14/DH2 groups, IPSec VPN on iPhone cannot be established.
11. [Bug Fix][eITS#231000224][ZNGA-3889,3890]
    Inactivate VPN profile but the status still shows connected.
12. [Bug Fix][eITS#231000238][ZNGA-3883]
    If the VPN profile name exceeds 19 characters, it always in loading status when clicking "connect" button.
13. [Bug Fix][eITS#231000350][ZNGA-3894]
    In PPPoE, the settings should not be saved when the retype password field of is empty.
14. [Bug Fix][eITS#231000557][ZNGA-3915]
    The extension .conf should be added automatically while users backup configuration.
15. [Bug Fix][eITS#231000599][ZNGA-3918]
    Unable to edit Default Trunk.
16. [Bug Fix][eITS#231000601][ZNGA-3919]
    In the Initial Wizard, it should not allow users to configure different subnets in WAN IP and default gateway.
17. [Bug Fix][eITS#231000868][ZNGA-3940]
    Unable to set the static DHCP IP in the DHCP server option. Users need to navigate to Network Status > DHCP Table to configure.
18. [Bug Fix][eITS#231001044][ZNGA-3957]
    Anti-malware causes network slowness.
19. [Bug Fix][eITS#231001922][ZNGA-4005]
    Skip the second connection test when the device passes the first connection test.
20. [Bug Fix][eITS#231001962][ZNGA-4010]
    Unable to access the internet the device becomes unresponsive.
21. [Bug Fix][eITS#231001978][ZNGA-3994]
    USG Flex 700H is experiencing unexpected reboots when a USB flash drive is plugged in.
22. [Bug Fix][eITS#231001989][ZNGA-4060]

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The connection port statistics traffic graph displays abnormally.

23. [Bug Fix][eITS#231001990][ZNGA-3989]
    Graph of the same port are duplicated in System Statistics > Port > Monitor Port.
24. [Bug Fix][eITS#231002035][ZNGA-4011]
    Unable to assign the DHCP IP because the device becomes unresponsive.
25. [Bug Fix][eITS#231002151][ZNGA-4027]
    Poor SSL Inspection performance and Teams is not usable.
26. [Bug Fix][eITS#231100108][ZNGA-4014]
    Firewall does not assign IP address to the connected host, and even cannot be connected with static IP.
27. [Bug Fix][eITS#231100792][ZNGA-4065]
    NAT rule doesn't work if one of wan connections is lost.
28. [Bug Fix][eITS#231101152][ZNGA-4114]
    The page for Trunk is stuck in loading.
29. [Bug Fix][eITS#231101272][ZNGA-4090]
    Sometimes the NAT and routing settings disappear.
30. [Bug Fix][eITS#231101418][ZNGA-4151]
    When enabling/disabling remote access VPN function, an error message pops up on GUI.
31. [Bug Fix][eITS#231200178][ZNGA-4161]
    Once the firewall rule applied user profile, the rule cannot detect VPN related session.
32. [Bug Fix][eITS#231200349][ZNGA-4170]
    When disabling DHCP server on GE3, you cannot make any changes in the GE4.
33. [Bug Fix][eITS#231200357][ZNGA-4168]
    SNAT entry in policy route becomes "none" after IP address is configured and saved.
34. [Bug Fix][eITS#231200715][ZNGA-4206]
    The firewall rule cannot detect the SSL VPN connection established from the OpenVPN Connect with user ID.
35. [Bug Fix][eITS#231200716][ZNGA-4196]
    Network > Interface > Trunk fails to load.
36. [Bug Fix][eITS#231200802][ZNGA-4198]
    Unable to control user by remote VPN by firewall rule
37. [Bug Fix][eITS#231200991][ZNGA-4317]

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After firewall reboots, you need to inactivate/activate the NAT profile again to make NAT work again.

38. [Bug Fix][eITS#231201025][ZNGA-4233]
    If you create more continent GeoIP objects, some Geo IP addresses are not correctly assigned. After these continent GeoIP objects are removed, these Geo IP addresses can be correctly assigned.
39. [Bug Fix][eITS#231201089][ZNGA-4259]
    The device doesn't generate sys log into USB storage immediately.
40. [Bug Fix][eITS#231201247][ZNGA-4256]
    IKEv2 remote VPN connection cannot access internet.
41. [Bug Fix][eITS#231201457][ZNGA-4255]
    Firewall cannot obtain IP in specific condition
42. [Bug Fix][eITS#231201467][ZNGA-4281]
    Incorrect limitation for the IPSec VPN zone
43. [Bug Fix][eITS#240100145][ZNGA-4276]
    The nslookup tool cannot resolve the longer TLD domain name. The field should support the TLD length of 63 characters.
44. [Bug Fix][eITS#240100206][ZNGA-4453]
    NAT is not working.
45. [Bug Fix][eITS#240100211][ZNGA-4307]
    When a new user is created, GUI pops up an error message.
46. [Bug Fix][eITS#240100321][ZNGA-4339]
    Sometimes NAT rule and policy disappear. User needs to reboot device to recover it.
47. [Bug Fix][eITS#240100480][ZNGA-4320]
    Create several GeoIP in a address group and apply the group object to a security policy rule. Only the 1st entry is working. It does not go to the 2nd entry but jumps to the next security policy rule.
48. [Bug Fix][eITS#240100590][ZNGA-4343]
    On Dashboard > Security, the area of the threat filter is always loading.
49. [Bug Fix][eITS#240100647][ZNGA-4346]
    When trying to adjust the settings for ge1_PPP, an error pops out. But after clicking OK, the page shows the adjusted settings.
50. [Bug Fix][eITS#240100728][ZNGA-4347]
    Device reboots unexpectedly.
51. [Bug Fix][eITS#240100813][ZNGA-4409]
    The page of Log event is always loading.

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52. [Bug Fix][eITS#240100875][ZNGA-4365]
    Relay server settings disappear after you click "Save".
53. [Bug Fix][eITS#240100884][ZNGA-4399]
    When disabling DHCP server on GE3, you cannot make any changes in the GE4.
54. [Bug Fix][eITS#240100980][ZNGA-4451]
    USG Flex H doesn't support IP in IP tunnel routing.
55. [Bug Fix][eITS#240101119][ZNGA-4397]
    All settings on web GUI are empty.
56. [Bug Fix][eITS#240101125][ZNGA-4452]
    The error message “Command failed: CHILD_SA config 'sec_policy1_VPN-HOME' not found” pops up when you connect site-to-site VPN.
57. [Bug Fix][eITS#240101192][ZNGA-4567,4685]
    The PPTP(TCP 1723 port) traffic cannot be NAT forwarded from WAN to LAN normally.
58. [Bug Fix][eITS#240101242][ZNGA-4517]
    An error message pops up when dialing PPPoE connection.
59. [Bug Fix][eITS#240101258][ZNGA-4446]
    The error "WebSocket KeepAlive failed." appears on Dashboard > System and Network > Interface.
60. [Bug Fix][eITS#240101639][ZNGA-4474]
    IKEv2 with Windows native client cannot be connected.
61. [Bug Fix][eITS#240200217][ZNGA-4541]
    The device becomes unresponsive.
62. [Bug Fix][eITS#240200307][ZNGA-4514]
    When WAN1 connectivity check is fail, the DDNS does not update to WAN2 automatically.
63. [Bug Fix][eITS#240201202][ZNGA-4561]
    Firewall rule is not working due to false address-object settings.
64. [Bug Fix][eITS#240201528][ZNGA-4655]
    PPTP VPN can’t build up when initialed from LAN side..
65. [Bug Fix][eITS#240300253][ZNGA-4616]
    The reserved DHCP IP is unable to release from DHCP table after changing the interface IP segment.
66. [Bug Fix][eITS#240300390][ZNGA-4765]
    NAT is not working.
67. [Bug Fix][ZNGA-2819, 3817]

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After manual disconnect tunnel the IPsec VPN with Nailed-up setting will not auto reconnect.

- Upgrade your devices to uOS1.20 for enhanced protection against the CVE references listed, as uOS1.20 is no longer vulnerable to them.
  - CVE-2023-6398, CVE-2023-6399

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Features: V1.10(A___.1)C0

Modifications in V1.10(A___.1)C0 -- 2023/11/21

1. [Enhancement] GUI enhancement
   a. [eITS#231001856] fine tune the wording for Firmware upgrade.
   b. Refine the Menu Tree item “File Manager” to "Firmware/File Manager".
   c. [eITS#230900275] The wording "Diffie-Hellman Groups" in phase 2 is changed to "PFS".
2. [Enhancement] Support CLI to change ICMP timeout value.
3. [Bug Fix] GUI bugs fix:
   a. Change the "Description" field on Device Insight > Edit page from mandatory to optional.
   b. Add a checking mechanism in SSL VPN settings page. When the combination of the incoming interface and DNS name fields is incorrect, the configuration download button will be gray out.
   c. Fix the Query display inconsistent issue at Reputation Filter page.
   d. Fix the System Dashboard loading issue.
4. [Bug Fix] The traffic of established session goes to new next-hop interface but with previous SNAT.
5. [Bug Fix] eITS#230900089
   a. Fixed the problem of incorrect zone name issue.
6. [Bug Fix] eITS#230901003
   a. Fix the problem of Network loop issue when port 1(with vlan configured) and port 2 are connected to a same dummy switch.
7. [Bug Fix] eITS#231000637
   a. Failed to send scheduled daily report.
8. [Bug Fix] eITS#231000957
   a. Failed to add object and object group by policy tooltip.
9. [Bug Fix] eITS#231001098
   a. The VLAN's DHCP Relay setting is disabled unexpectedly when new VLAN DHCP Relays are added.
10. [Bug Fix] eITS#231001941
    a. When changing to different LAN ports, the DHCP IP address cannot be obtained.
11. [Bug Fix] eITS#231100687

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a. Sometimes the clients in VLAN interface failed to query DNS after the device reboots.

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Features: V1.10(A___.0)C0

Modifications in V1.10(A___.0)C0 -- 2023/10/16

First release.

1. Internet Protocol Version: IPv4 only
2. Firewall Function Supports:
    - Routing and transparent (bridge) modes
    - Stateful packet inspection
    - Dos Prevention (Preventing Flooding and Sweep Attacks)
    - FTP NAT traversal
    - Security Policy
        - Unified policy management interface
        - Policy control criteria by IP/GeoIP/CIDR/ Service
        - Policy control criteria by User
        - Schedule
3. VPN Function Support:
    - IPsec VPN
        - Site-to-Site VPN
        - Remote Access VPN (IKEv2)
        - Native Windows, iOS/macOS and Android (StrongSwan) client provision
    - SSL VPN
        - Client remote access (compatible with OpenVPN Connect)
    - SecuExtender VPN client provision for both IPsec and SSL VPN
4. Security Features and Services Support:

    * Services that requires Gold Security Pack

    - Application Patrol*
    - Intrusion Prevention System (IPS)*
    - Anti-Malware (Cloud Query only) *
    - Web Filtering*
    - Reputation Filter*
        - IP Reputation
        - DNS Threat Filter
        - URL Threat Filter
    - Sandboxing*

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- Device Insight*
- SSL Inspection
- IP Exception

5. Networking Support:
    - Port Grouping
    - Routing mode
        - Policy Route criteria by IP/GeoIP/CIDR/Service
        - Policy Route criteria by user
        - Policy Route criteria by DSCP code
        - Policy Route Schedule
        - Policy Route DSCP Marking
        - Policy Route SNAT
        - Static Route
    - External Interface
        - Types: DHCP, Static, and PPPoE
        - MTU setting
        - VLAN setting
        - MAC address setting
        - DHCP Option 60
    - Internal Interface
        - MTU setting
        - VLAN setting
        - DHCP relay/ server role
        - DHCP Options
        - Static DHCP IP/MAC mapping
    - Bridge Interface -transparent mode only
    - WAN Load Balancing support Weight Round Robin only
    - WAN Failover
    - Dynamic DNS (DDNS)
    - NAT
        - Virtual Server
        - 1:1 NAT
        - Many 1:1 NAT
    - ALG: FTP ALG only
6. Management Support:
    - Nebula Centralized Management
        - Monitor device on/off status

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    - Firmware upgrade operation
    - Access remote GUI (requires Nebula Professional Pack)
    - Backup and restore firewall configurations (requires Nebula Professional Pack)
- Authentication:
    - Local user database
    - RADIUS
    - 2FA Authentication Google Authenticator (Admin only)
    - IKEv2 with EAP-MSCHAPv2 VPN authentication
- System Management
    - Firmware upgrade via FTP, FTP-TLS, Web GUI
    - Multi-lingual Web GUI
    - Command line interface (Console, SSH and Telnet)
    - SNMP v1, v2c, v3
- Logging and Monitoring
    - SecuReporter supported (requires Gold Security Pack)
    - Syslog Server
    - Email daily report

7. Maintenance Support:
    - Configuration File management
    - Firmware upgrade management
    - Firmware upgrade schedule
    - Diagnostics collection
    - Packet Capture
    - Network Tools

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Limitations

General

1. Not support rename function for following features:
   (1) Interface name
   (2) Policy Route rule name
   (3) Static Route rule name
   (4) Security Policy rule name
   (5) NAT rule name
   (6) IPsec Site-to-Site Rule name
   (7) Security Services Profile name

Network

1. [Port Group]
   (1) Port 1 and Port 2 of the USG FLEX 500H and USG FLEX 700H cannot perform Port Group with other ports.
   (2) Port 13 and Port 14 of the USG FLEX 700H cannot perform Port Group with other ports.

IPsec VPN

1. [ZNGA-3935] [Remote Access VPN] For native iOS/macOS design, the lifetime minimum value is 10 minutes. If you set the lifetime less than 10mins, then it cannot connect to iOS/macOS VPN client correctly.
   see reference of the iOS/macOS parameters:
   https://developer.apple.com/documentation/devicemanagement/vpn/ikev2/ikesecurityassociationparameters
2. Device needs to have at least one default route for IPsec VPN traffic forward.
3. For IKEv1 certificate-based authentication, both peers must use the same authentication method.
   Mixed authentication methods (for example, one peer using an RSA certificate and the other using an ECDSA certificate) are not supported.

Tailscale

Security Services

1. [SSL Inspection] [Content Filtering]

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Selecting a certificate that lacks the Basic Constraints: CA=TRUE extension for SSL inspection or the system HTTPS service (used for Content Filtering block pages) will cause client browsers to block HTTPS sessions with severe certificate authority errors (e.g., ERR_CERT_AUTHORITY_INVALID) if clients hit the SSL inspection or Content Filtering policy.

AP Controller

1. [ZNGA-11191] Remote AP (RAP) zone matching in security policy rules is source-direction only.
   A RAP zone can be used as the **source zone** of a security policy rule, but not as the destination zone. Traffic sent to a remote AP is carried inside multiple layers of encapsulation (ESP, then GRE), so the RAP zone cannot be resolved for the outbound direction and a rule that specifies a RAP zone as its destination will never match. To apply a policy to traffic destined for a remote AP, specify the destination IP address (or an address object) instead of the destination zone.

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Known Issue

The following issues have been identified in version 1.40. To inquire about a particular bug or report a bug, please contact Customer Service & Support.

Nebula

1. [ZNGA-5846] [Reverse Tunnel] User cannot access web console page when login by Nebula Remote Configurator.

System

1. [ZNGA-7192] Diagnostics Collect takes too long time to complete the collection.
2. [ZNGA-10477] [eITS#260502102] Under certain conditions, IPS processing may impact the Fastpath service, resulting in HA heartbeat communication, VLAN routing, and static routing disruptions.
3. [ZNGA-5988] [DHCP Table] Certain data will be lost after modifying unsupport hostname data and reserve it.

Network

1. [ZNGA-4442] [eITS#240100505] NAT is not working after works for hours.
2. [ZNGA-4037] [eITS#231000192] INTERFACE type should contain the status of physical link (layer1), Layer 2 link and connectivity check.
3. [ZNGA-5044] The upstream interface of DHCP Relay does not support PPPoE interface (GUI selection list still show the PPPoE interface).
4. [ZNGA-5988] [DHCP Table] Certain data may be lost if unsupported hostname data is modified and reserved. Users are advised to ensure hostname data complies with supported formats before making changes.
5. [ZNGA-6109] [Bridge][NAT] If NAT loopback is enabled, devices on the same bridged LAN cannot be accessed.

IPsec VPN

1. Remote access IPsec VPN does not support two external authentication server.
2. When there are more than 300 VPN tunnels, the device may sometimes not respond and not display status.

User & Authentication

1. 2FA valid time does not support the character "+".
2. RADIUS user login with Admin role will pop-up change password message.

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GUI

1. System Dashboard widget will be loading for a while. Please wait till dashboard widget data displays before switching to other GUI pages.
2. [ZNGA-6552] [Device Insight] The Device Insight function remains operational even when a license expired message is displayed.

Device-HA

1. The SSH service under System > SSH must be enabled on both Zyxel devices, to enable synchronization for Device HA.

AP Controller

1. [RM#71895] FLEX H managed AP currently do not support RADIUS accounting, thus if Radius server configured with accounting server, accounting server configuration will not take effect on managed APs.

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Appendix 1. Firmware upgrade procedure

The following is the firmware **upgrade** procedure:

- Use Browser to login into ZyWALL Security Gateway as administrator.
- Go firmware upgrade wizard step3 (Firmware Upgrade and Reboot) to auto download and upgrade to the latest firmware.
- After several minutes, the system is successfully boot up with the newest version.

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