Release Note

Security Appliance Configuration Converter

Version 6.3.0

October 22, 2026

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Configuration Converter

Release V6.3.0

Release Note

Version

V6.3.0

Files lists contains in the Release ZIP file

File name: Converter-release note_6.3.0.pdf
Purpose: This is the release note with release details.

Supported Platforms

The Configuration Converter supports migration from Zyxel legacy security appliances to the latest security appliance models. Please refer to the supported model mapping table for details.

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Source Model	★ Recommended Upgrade (Primary Path)	Alternative Upgrade Options
USG FLEX 50 (USG20-VPN)	USG FLEX 50H / 50HP	—
USG20W-VPN*	USG FLEX 50H / 50HP	—
USG FLEX 50AX*	USG FLEX 50H / 50HP	—
USG FLEX 100	USG FLEX 100H / 100HP	—
USG FLEX 100W*	USG FLEX 100H / 100HP	—
USG FLEX 100AX*	USG FLEX 100H / 100HP	—
USG FLEX 200	USG FLEX 200H / 200HP	—
USG FLEX 500	USG FLEX 500H	—
USG FLEX 700	USG FLEX 700H	—
ATP100	USG FLEX 100H / 100HP	—
ATP100W*	USG FLEX 100H / 100HP	—
ATP200	USG FLEX 200H / 200HP	—
ATP500	USG FLEX 500H	—
ATP700	USG FLEX 700H	—
ATP800	USG FLEX 700H	—
VPN50	USG FLEX 100H / 100HP	—
VPN100	USG FLEX 200H / 200HP	—
VPN300	USG FLEX 500H	—
VPN1000	USG FLEX 700H	—
USG40	USG FLEX 50H / 50HP	USG FLEX 100 / ATP100
USG40W*	USG FLEX 50H / 50HP	USG FLEX 100W / ATP100W
USG60	USG FLEX 100H / 100HP	USG FLEX 200 / ATP100
USG60W*	USG FLEX 100H / 100HP	USG FLEX 200 / ATP100W
USG110	USG FLEX 200H / 200HP	USG FLEX 500 / ATP200
USG210	USG FLEX 200H / 200HP	USG FLEX 500 / ATP200
USG310	USG FLEX 500H	USG FLEX 700 / ATP500
USG1100	USG FLEX 700H	ATP800 / ATP700
USG1900	USG FLEX 700H	ATP800 / ATP700
ZyWALL 110	USG FLEX 200H / 200HP	USG FLEX 500 / VPN100
ZyWALL 310	USG FLEX 500H	USG FLEX 700 / VPN300
ZyWALL 1100	USG FLEX 700H	VPN1000

* When converting:

- Wireless → Non-Wireless WiFi: configuration will not be migrated.
- Non-Wireless → Wireless WiFi: must be manually configured.

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Read Me First

Zyxel Converter is a migration tool, not a migration service. It is designed to be utilized as part of a properly planned migration process. Some of these configurations include rules with advanced options that are migrated without those options. You must manually migrate all unsupported features.

Before starting the conversion, please carefully review the **Document > Conversion Guide**, especially the sections related to:

- Static Port / Interface Mapping
- Supported conversion scope and unsupported features
- Parameter limitations and maximum supported object counts

Important Notice: It is strongly recommended to review the Conversion Guide in advance to avoid unexpected conversion failures or incomplete migration results. Depending on your configuration type, please refer to the **corresponding section** below:

Section A. Legacy Models (On-Premises Mode) Configuration to USG FLEX H Series
Section B. ATP / USG FLEX (On-Cloud Mode) Configuration to USG FLEX H Series

A. Legacy Models (On-Premises Mode) configuration convert to USG FLEX H Series

1. **Encrypted Configurations (Sensitive Data Protection):** Before conversion, you must **remove the Private Encryption Key** from the configuration file and export the updated configuration again.
   Important:
   If the Private Encryption Key is not removed before conversion, the converted configuration may be applied to the new platform, but the administrator will **be unable to log in** using the original password.

2. **File Naming:** The uploaded configuration filename must be **fewer than 40 characters**, as this name will be used for the converted policy package.
   Example: {original_file_name}_converted-XXXXXX.conf

3. **Firmware Compatibility:** When migrating from a legacy appliance, ensure the source device is running the latest available ZLD OS firmware from the support portal. Using the **latest ZLD firmware** is highly recommended.

4. **IPv6 Limitations:** This converter currently only supports **IPv4 objects and rules**. All IPv6-specific objects and rules will be ignored during the process.

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5. **Security Credentials:** Private keys and certificates will not be migrated. The system will revert to using the **default certificate** upon completion.
6. **Parameter Limits:** The converter validates configurations against maximum parameter limits. If these limits are exceeded, the conversion will fail and generate a detailed error log.

7. **Licenses Services:** all licenses will not be migrated.

Once the conversion is complete, please review the log file to identify any specific adjustments or skipped configurations made during the process.
Final verification and manual adjustment are required before applying the converted configuration to a production environment.

B. ATP / USG FLEX (On-Cloud Mode) configuration convert to USG FLEX H Series

1. **Prerequisites**
   Before initiating the migration process, prepare the source device and its current configuration as follows:
   - Verify that the source device is properly connected to and actively managed by **Nebula Control Center (NCC)**.
   - Review all existing **Security Policies** on the source device.
   - Configuration status is show “Up to date” on **Nebula Control Center (NCC) Firewall device detail page**
   - Perform replicate site configuration to **full backup of the current NCC configuration**.
   - Complete all required configuration modifications outlined in this document before starting the migration.

2. **Pre-Migration Configuration Requirements**
   Before starting the migration, perform the following adjustments to your Security Policies in Nebula Control Center (NCC):
   - **Set User Field to "Any":** Edit each Security Policy and update the **User** field from specific External User Group to **Any**, since user-based conditions are not supported during conversion.
   - **Set Schedule Field to "Always":** Edit each Security Policy and change the **Schedule** field from custom time profiles (e.g., *Business Hours*, *Weekend*,

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Night Time) to **Always**, as customized schedules will not be transferred to the target device.

- As a final check before starting the migration, confirm that:
  - ☐ All Security Policy **User** fields are set to **Any**.
  - ☐ All Security Policy **Schedule** fields are set to **Always**.
  - ☐ Replicate site configuration **to full configuration backup** has been completed.

3. **File Naming**
   The uploaded configuration filename must be **fewer than 40** alphanumeric **characters**, as this name will be used for the converted policy package.

   Default file name format: {model name }-config-XXXX-XX-XX.cmcf

Example: flex100-config-2026-09-16.cmcf

   The valid characters are [a-zA-Z0-9~_=-].

4. **Firmware Compatibility**
   When migrating from ATP/USG FLEX, ensure you are using the latest ZLD OS firmware available on the portal (ZLD **V5.45 or later** is highly recommended).

5. **Configuration Parameter Limits**
   The converter validates configurations against maximum parameter limits. If these limits are exceeded, the conversion will fail and generate a detailed error log.

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Features: V6.3.0

Modifications in V6.3.0 – 2026/10/22

Enhancement

1. [Enhancement] Starting with this version, Configuration Converter supports ATP/USG FLEX on-cloud mode configurations.

Bug Fix

1. [eITS#260700864]
   USG FLEX 50H / Trouble converting Flex50w config to Flex500H.
2. [eITS#260901527]
   Manual Config File Conversion Request & Firmware Update Failure on ATP800 (CRC Error / Standby Slot Issue).

Features: V6.2.0

Modifications in V6.2.0 – 2026/7/7

Enhancement

2. [Enhancement] Feature Alignment with uOS1.38:
   (1) Captive Portal settings
   (2) Content Filtering settings: Blocking DoT/DOH, and SafeSearch
   (3) Policy route next-hop VPN
   (4) IGMP Proxy
   (5) Password complexity-verify
3. [Enhancement] Redesigned Converter User Interface.
   Introduced a refreshed user interface with an improved workflow, including simplified device selection, drag-and-drop configuration upload.
4. [Enhancement] Enhanced Conversion Report.
   Improved the conversion report with a new summary section, categorized results, and more descriptive messages

Bug Fix

3. [eITS#240701930]
   USG20-VPN / convert configuration Issue.
4. [eITS#250302288]
   USG FLEX 500H / Trouble converting Flex500 config to Flex500H.
5. [eITS#250600470]

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After converted the config file from USG Flex 500 to 500H and the PoE port cannot be disabled from the GUI.

6. [eITS#260200867]
   Usg Flex 200 / Urgent: Configuration conversion failure preventing on-site firewall replacement deployment.
7. [eITS#260201406]
   Firewall Configuration Converter fails with ZyWALL 110 (V4.73(AAAA.2))
8. [eITS#260300659]
   USG FLEX 500H / Config conversion fails to apply
9. [eITS#260301791]
   Usg Flex 500h / Configuration conversion assistance needed - ATP500 to FLEX500H online tool failure

Features: V6.1.2

Modifications in V6.1.2 – 2025/12/18

Enhancement

1. [Enhancement] Support NSG conversion by following the SOP.

Bug Fix

1. [eITS#250500660]
   The converted configuration incorrectly enables ping checks on internal interfaces.
2. [eITS#250500918]
   Incorrect DNS server conversion.
3. [eITS#250601039, 251000267, 251001136]
   The online converter is unable to process the intermediate configuration file due to the unsupported firmware version.
4. [eITS#250900878]
   Conversion failure due to unsupported connectivity-check interfaces.
5. [eITS#251000585]
   Unknown interface" error when trying to connect PPPoE after converting a configuration.
   Note: User-defined PPPoE interfaces still have a known issue. See “Known Issues” for details.

Features: V6.1.1

Modifications in V6.1.1 – 2025/9/15

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Bug Fix

1. [eITS#250900192]
   Fixed an issue where configuration conversion failed due to VLAN settings on mismatched ports between legacy devices and the USG FLEX 50H/HP.
2. [ZNGA-8254] Policy Route
   Fixed an issue where the Policy Route Connectivity Check Address was not retained after configuration conversion.

Features: V6.1.0

Modifications in V6.1.0 – 2025/8/14

Enhancement

1. [Enhancement] Support security features conversion.

Bug Fix

1. [eITS#250100976]
   Conversion failures caused by unbound static DHCP entries and the use of a non-host-type address object as a policy destination.
2. [eITS#250200685]
   Fix alias interface type conversion issue.
3. [eITS#250201682, 250302143, 250500512]
   Fixed an issue where conversion failed due to an empty DHCP pool host value.
4. [eITS#250301219]
   The converted configuration header does not contain the correct Model name, causing the Converter to fail.
5. [eITS#250301543]
   When verifying the number of address objects, the converter also counts address objects inside object groups, causing duplicate counting. As a result, the total exceeds the Address Object limit and the conversion fails.
6. [eITS#250500227]
   Fixes an issue where conversion may fail if radius-users configurations exist (remove them manually before converting) or if the AAA server AD basedn is converted to the domain-name in uOS AD settings, joining all DCs with “.” into a full domain name.
7. [eITS#250501844]
   Fixed an issue where the SFP interface type was incorrectly set, and the sfp_ppp reference for the SFP interface was not removed as expected, causing an error.
8. [ZNGA-6742]

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Fixed an issue where some log categories are missing.

9. [ZNGA-6739]
   Fixed an issue that the sfp_ppp interface is missing after conversion. It should be converted to ge1_ppp.
10. [ZNGA-6474]
    Fixed an issue where the Connectivity Check function was not converted if “Check Default Gateway” was selected as the check method.

Features: V6.0.2

Modifications in V6.0.2 – 2025/5/6

Bug Fix

1. [eITS#250401112, 250500660]
   The WAN interface automatically enabled the connectivity check feature, but the check IP was left blank, resulting in a large number of abnormal log entries and causing the configuration application to fail.
2. [eITS#250500918]
   In the default configuration, undefined PPP interfaces are now included, a zone object is added, and DHCP server restrictions are updated.

Features: V6.0.1

Modifications in V6.0.1 – 2025/1/20

Bug Fix

1. [eITS#250100640]
   If the default-enabled System log categories/features are disabled, the configuration conversion will fail.
   (Default-enabled log categories include sub-items: BWM, File Manager, License, Log & Report, Network, Security, VPN, Wireless)
2. [eITS#250100976]
   The conversion failed because ZLD allows static DHCP without corresponding interfaces, whereas uOS requires all static DHCP to have corresponding interfaces.

Features: V6.0.0

Modifications in V6.0.0 – 2025/1/8

1. [Enhancement] Redesign the layout of the Converter website.

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2. [Enhancement] Supports converting USG FLEX series configurations to USG FLEX H series devices running uOS1.30 Patch 1.
3. [Enhancement] Supports converting ATP series configurations to USG FLEX H series devices running uOS1.30 Patch 1.
4. [Enhancement] Supports converting VPN series configurations to USG FLEX H series devices running uOS1.30 Patch 1.
5. [Enhancement] Include a log file with line numbers, allowing users to reference and verify the configuration content by line number.

Features: V5.0.6

Modifications in V5.0.6 – 2024/05/27

1. [Enhancement] Supporting the NAS326/NAS540 Google Drive application installation procedure with authentication code transfer, ensuring no impact on existing converter functionality.

Features: V5.0.5

Modifications in V5.0.5 – 2024/01/24

1. [Enhancement] Update OpenSSL package to 3.0.11

Features: V5.0.4

Modifications in V5.0.4 – 2023/08/14

1. [Enhancement] For USG Series, the note need to be added when the following model convert conditions:
   a. The Note(put in the end):
      - To convert to the ATP series, remove the IPNP settings manually from the configuration file before you upload it to the device.
   b. Model Convert conditions:
      - From USG40/40W to ATP100/100W
      - From USG60/60W to ATP100/100W
      - From USG110/210 to ATP200
      - From USG310 to ATP500
      - From USG1100/1900 to ATP700/800
2. [Enhancement] Change the note wording from “convertor” to “converter”.

Features: V5.0.3

Modifications in V5.0.3 – 2022/09/22

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1. [Enhancement] Change remove files mechanism to remove files within two minutes

Features: V5.0.2

Modifications in V5.0.2 – 2022/09/08

1. [Enhancement] Usability and security Enhancement:
   a. Add File name and file type check mechanism.
   b. Set limitation for the upload file size in 2MB.
   c. Change the downloaded file format to compression format.
   d. Reset the web page file path after configuration converted.

Features: V5.0.1

Modifications in V5.0.1 – 2021/3/5

1. [BUG FIX] Fix convert config error on ATP200

Features: V5.0.0

Modifications in V5.0.0 – 2021/1/8

1. [Enhancement] Support USG to USG FLEX series with ZLD4.60
2. [Enhancement] Support USG to ATP series with ZLD4.60
3. [Enhancement] Support USG to VPN series with ZLD4.60
4. [Enhancement] Support ZyWALL to USG FLEX series with ZLD4.60
5. [Enhancement] Support ZyWALL to VPN series with ZLD4.60
6. [Enhancement] Scan all parameter (ZLD4.60) if exceed then pop up warning stop convert

Features: V4.0.0

Modifications in V4.0.0 – 2020/7/30

1. [Enhancement] Support USG to USG FLEX series with ZLD4.55
2. [Enhancement] Support USG to ATP series with ZLD4.55
3. [Enhancement] Support Security McAfee convert (CF, AV, AS)
4. [Enhancement] Support Hotspot feature convert

Features: V3.0.0

Modifications in V3.0.0 – 2020/6/4

1. [Enhancement] Support USG to USG FLEX series
2. [Enhancement] Support USG to ATP new models: ATP100W, ATP700

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3. [Enhancement] Web UI available.

Features: V1.1.0

Modifications in V1.1.0 - 2019/12/03

1. [Enhancement] Supported ZyWALL to VPN series

Features: V1.0.0

Initial release

Support USG to ATP series

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Known Issues:

Browser

1. [SPR: 220908104]
   [Symptom]
   It may not be able to download the convert file successfully with Firefox browser.
   [Workaround]
   Do the convert again or change another browser.

NAT Virtual-Server

1. [Converter V6.0.0]
   If two virtual-server rules are set consecutively in the configuration, there may be an issue where some rules cannot be converted.

Interface

1. [Converter V6.1.2] [PPPoE Interface Conversion]
   Symptom:
   When a user-defined PPPoE interface (PPP: User Configuration) is configured with the system default ISP account, the interface may not be preserved after configuration conversion. The original user-defined PPPoE interface (for example, my_ppp) may disappear, and the system default PPPoE interface (for example, ge2_ppp) may be retained in a disabled (Inactive) state.
   Any rules bound to the missing PPPoE interface (such as Policy Route rules) may be automatically disabled, and their next-hop settings may revert to Auto.
   Workaround:
   Before conversion, change the user-defined PPPoE interface to use a custom ISP account instead of the system default ISP account.

Remote Access IPsec VPN

1. [Converter6.1.0][ZNGA-7160, ZNGA-7159][eITS#250201503, 250300781]
   Remote Access IPsec VPN Conversion Issues (1) The Primary Server value for authentication is missing after conversion. (2) Auto SNAT is disabled after conversion.

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