ZYXEL
NETWORKS

Release Note

Security Appliance Configuration Converter

Version 6.0.1

Jan 20, 2025

Contents

Configuration Converter

Release V6.0.1

Release Note

Version

V6.0.1

Files lists contains in the Release ZIP file

File name: Converter-6.0.1.pdf
Purpose: This is the release note with release details.

Supported Platforms:

The configuration converter supports converting Zyxel USG FLEX/ATP to USG FLEX H, USG to ATP, ZyWALL to VPN or USG to USG FLEX. Please refer to the supported model correspondence table.

USG FLEX/ATP to USG FLEX H series

	From (ZLD5.37)	To (uOS1.30P1 or above)
USG FLEX to USG FLEX H	USG FLEX 50	USG FLEX 50H / 50HP
	USG FLEX 50AX	USG FLEX 50H[*1] / 50HP[*1]
	USG FLEX 100	USG FLEX 100H / 100HP
	USG FLEX 100W	USG FLEX 100H[*1] / 100HP[*1]
	USG FLEX 100AX	USG FLEX 100H[*1] / 100HP[*1]
	USG FLEX 200	USG FLEX 200H / 200HP
	USG FLEX 500	USG FLEX 500H
	USG FLEX 700	USG FLEX 700H

ATP to USG FLEX H	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
VPN to USG FLEX H	VPN50	USG FLEX 100H / 100HP
	VPN100	USG FLEX 200H / 200HP
	VPN300	USG FLEX 500H
	VPN1000	USG FLEX 700H
USG-VPN to USG FLEX H	USG20-VPN	USG FLEX 50H / 50HP
	USG20W-VPN	USG FLEX 50H[1] / 50HP[1]

*1 Not to handle build-in Wi-Fi conversion when choose wireless model convert to None Wireless model, vice versa.

USG to USG FLEX/ATP Series

	From (ZLD4.32+)	To (ZLD4.60 or above)
USG to ATP / USG FLEX	USG40	ATP100, ATP100W[1] USG FLEX 100, USG FLEX 100W[1]
	USG40W	ATP100[1], ATP100W USG FLEX 100[1] , USG FLEX 100W
	USG60	ATP100, ATP100W[1] USG FLEX 200
	USG60W	ATP100[1], ATP100W USG FLEX 200[1]
	USG110	ATP200, USG FLEX 500
	USG210	ATP200, USG FLEX 500

	USG310	ATP500, USG FLEX 700
	USG1100	ATP800, ATP700
	USG1900	ATP800, ATP700
ZyWALL to VPN	USG40, USG60	VPN50
	ZyWALL 110	VPN100, USG FLEX 500
	ZyWALL 310	VPN300, USG FLEX 700
	ZyWALL 1100	VPN1000

*1 Not to handle build-in Wi-Fi conversion when choose wireless model convert to None Wireless model, vice versa.

Static Port/Interface Mapping

uOS Platform

The USG FLEX H series (uOS platform) has an <u>interface name length</u> limit of **11** characters.

- If the user-defined interface name is within the limit, it will be directly used and displayed as the interface name.
- If the user-defined interface name exceeds the limit, the uOS interface name will consist of the user-defined name followed by a serial number, truncated to 11 characters in total. The full user-defined name will be moved to the Description field.
- If the Description field already contains a value, the original user-defined description will take precedence over the interface name.

USG FLEX 50/USG20(W)-VPN series to USG FLEX 50H/HP

50 Series	P1(sfp)	P2(wan)	P3(lan1)	P4(lan1)	P5(lan1)	P6(opt)
USG FLEX 50H/HP		P1(wan)	P2(lan1)	P3(lan1)	P4(lan1)	P5(opt)

USG FLEX 50AX to USG FLEX 50H/HP

USG FLEX 50AX	P1(wan)	P2(lan1)	P3(lan2)	P4(dmz)	P5(opt)
USG FLEX 50H/HP	P1(wan)	P2(lan1)	P3(lan2)	P4(dmz)	P5(opt)

USG FLEX/ATP100(W) to USG FLEX 100H/HP

100(W) Series	P1(sfp)	P2(wan)	P3(lan1)	P4(lan1)	P5(lan1)	P6(opt)		
USG FLEX 100H/HP	P1(ge1)	P2(wan)	P3(lan1)	P4(lan1)	P5(lan1)	P6(opt)	P7	P8

USG FLEX/ATP100 no SFP series to USG FLEX 100H/HP

100(W) series		P2(wan)	P3(lan1)	P4(lan1)	P5(lan1)	P6(opt)		
USG FLEX 100H/HP	P1(ge1)	P2 (wan)	P3(lan1)	P4(lan1)	P5(lan1)	P6(opt)	P7	P8

USG FLEX 100AX to USG FLEX 100H/HP

USG FLEX 100AX	P1(wan)	P2(lan1)	P3(lan2)	P4(dmz)	P5(opt)		
USG FLEX 100H/HP	P1(wan)	P2(lan1)	P3(lan2)	P4(dmz)	P5(opt)	P7	P8

VPN50 to USG FLEX 100H/HP

VPN50	P1(sfp)	P2(wan)	P3(lan1)	P4(lan2)	P5(dmz)	P6(opt)		
USG FLEX 100H/HP	P1(ge1)	P2 (wan)	P3(lan1)	P4(lan2)	P5(dmz)	P6(opt)	P7	P8

USG FLEX/ATP200/VPN100 series to USG FLEX 200H/HP

res.=reserved

200 Series	P1(sfp)	P2(wan1)	P3(wan2)	P4(lan1)	P5(lan1)	P6(lan1)	P7(res.)	
USG FLEX 200H/HP	P1(ge1)	P2(wan1)	P3(wan2)	P4(lan1)	P5(lan1)	P6(lan1)	P7 (res.)	P8

USG FLEX/ATP500/VPN300 series to USG FLEX 500H

Port 1 (sfp) on the USG FLEX 500/ATP500 series is NIC port

Port 1 & 2 on FLEX 500H is Individual Port.

500 Series	P1 (ge1)	P2 (ge2)	P3 (ge3)	P4 (ge4)	P5 (ge5)	P6 (ge6)	P7 (ge7)	P8 (ge8)				
USG FLEX 500H	P1 (ge1)	P2 (ge2)	P3 (ge3)	P4 (ge4)	P5 (ge5)	P6 (ge6)	P7 (ge7)	P8 (ge8)	P9	P10	P11	P12

USG FLEX 500	P1 (sfp)	P2 (wan1)	P3 (wan2)	P4 (lan1)	P5 (lan2)	P6 (dmz)	P7 (opt)	P8 (res.)				
USG FLEX 500H	P1 (ge1)	P2 (wan1)	P3 (wan2)	P4 (lan1)	P5 (lan2)	P6 (dmz)	P7 (opt)	P8 (res.)	P9	P10	P11	P12

USG FLEX/ATP700 or 800 /VPN1000 series to USG FLEX 700H

The ports on USG FLEX/ATP700/ATP800 and VPN1000 will convert to the same ports on USG FLEX 700H.

ATP/FLEX 700/800/VPN1 000 Series	P1 (ge 1)	P2 (ge 2)	P3 (ge 3)	P4 (ge 4)	P5 (ge 5)	P6 (ge 6)	P7 (ge 7)	P8 (ge 8)	P9 (ge 9)	P10 (ge1 0)	P11 (ge1 1)	P12 (ge1 2)	P13 (ge1 3)	P14 (ge1 4)
USG FLEX 700H	P1 (ge 1)	P2 (ge 2)	P3 (ge 3)	P4 (ge 4)	P5 (ge 5)	P6 (ge 6)	P7 (ge 7)	P8 (ge 8)	P9 (ge 9)	P10 (ge1 0)	P11 (ge1 1)	P12 (ge1 2)	P13 (ge1 3)	P14 (ge1 4)

ZLD Platform

The converter has a static mapping rule to convert USG ports to ATP/USG FLEX/VPN ports. Followings are the static port mapping rule used by converter.

USG40(W) to ATP100(W)

USG40(W)		P1(wan1)	P2(lan1)	P3(lan2)	P4(dmz)	P5(opt)
ATP100(W)	P1(sfp)	P2(wan1)	P3(lan1)	P4(lan2)	P5(dmz)	P6(opt)

USG40(W) to USG FLEX 100(W)

USG40(W)		P1(wan1)	P2(lan1)	P3(lan2)	P4(dmz)	P5(opt)
USG FLEX 100	P1(sfp)	P2(wan1)	P3(lan1)	P4(lan2)	P5(dmz)	P6(opt)

USG60(W) to ATP100(W)

The USG60(W) port 2 (wan2) will be mapped to ATP100(W) port 1 (sfp). The wan2 configuration may not work on ATP100(W).

USG60(W)	P1(wan1)	P2(wan2)	P3(lan1)	P4(lan2)	P5(dmz)	P6(guest)
ATP100(W)	P1(wan2)	P2(wan1)	P3(lan1)	P4(lan2)	P5(dmz)	P6(guest)

USG60(W) to USG FLEX 200

USG60(W)		P1(wan1)	P2(wan2)	P3(lan1)	P4(lan2)	P5(dmz)	P6(guest)
USG FLEX 200	P1(sfp)	P2(wan1)	P3(wan2)	P4(lan1)	P5(lan2)	P6(dmz)	P7(reserved)

USG110/210 to ATP200

The port 3 (opt) of USG110/210 will be converted to port 1 (sfp) on ATP200. Port 3 will be removed from opt port grouping after conversion.

USG110	P1(wan1)	P2(wan2)	P3(opt)	P4(lan1)	P5(lan2)	P6(reserved)	P7(dmz)
ATP200	P1(opt)	P2(wan1)	P3(wan2)	P4(lan1)	P5(lan2)	P6(dmz)	P7(reserved)

USG110/210 to USG FLEX 500

USG110/210		P1(wan1)	P2(wan2)	P3(opt)	P4(lan1)	P5(lan2)	P6(reserved)	P7(dmz)
USG FLEX 500	P1(sfp)	P2(wan1)	P3(wan2)	P4(lan1)	P5(lan2)	P6(dmz)	P7(opt)	P8(reserved)

USG310 to ATP500

By default, interface on port 7 of USG310 will become interface on port 1 of ATP500 as shown in the following table. Interface on port 1 of USG310 will become interface on port 2 of ATP500, and et cetera. A combo box is used to select which port (port 1 to 7) of USG310 will be converted to port 1 of ATP500 if port 7 of USG310 is not desired to be converted to port 1 of ATP500.

USG310	P1	P2	P3	P4	P5	P6	P7	P8
ATP500	P2	P3	P4	P5	P6	P7	P1	P8

USG310 to USG FLEX 700

USG310	P1	P2	P3	P4	P5	P6	P7	P8						
USG FLEX 700	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14

USG1100/1900 to ATP700/800

The port on USG1100/1900 will be converted to the same port on ATP700/800.

USG1100	P1	P2	P3	P4	P5	P6	P7	P8						
ATP800	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14

USG40 to VPN50

The port mapping from USG40 to VPN50 is shown below.

USG40		P1	P2	P3	P4	P5
VPN50	P1	P2	P3	P4	P5	P6

USG60 to VPN50

The USG60 port 2 (wan2) will be mapped to VPN50 port 1 (sfp). The wan2 configuration may not work on VPN50.

USG60	P1	P2	P3	P4	P5	P6
VPN50	P2	P1	P3	P4	P5	P6

ZyWALL 110 to VPN100

The port 3 (opt) of ZyWALL 110 will be converted to port 1 (sfp) on VPN100. Port 3 will be removed from opt port grouping after conversion.

ZyWALL 110	P1(wan1)	P2(wan2)	P3(opt)	P4(lan1)	P5(lan2)	P6(reserved)	P7(dmz)
VPN100	P1(opt)	P2(wan1)	P3(wan2)	P4(lan1)	P5(lan2)	P6(dmz)	P7(reserved)

ZyWALL 110 to USG FLEX 500

ZyWALL110		P1(wan1)	P2(wan2)	P3(opt)	P4(lan1)	P5(lan2)	P6(reserved)	P7(dmz)
USG FLEX 500	P1(sfp)	P2(wan1)	P3(wan2)	P4(lan1)	P5(lan2)	P6(dmz)	P7(opt)	P8(reserved)

ZyWALL 310 to VPN300

By default, port 7 of ZyWALL310 will be mapped to port 1 (sfp) of VPN300 but user can select other port (port 1 to port 6) instead of port 7 to map to port 1 (sfp) of VPN300.

ZyWALL 310	P1	P2	P3	P4	P5	P6	P7	P8
VPN300	P2	P3	P4	P5	P6	P7	P1	P8

ZyWALL 310 to USG FLEX 700

The port on ZyWALL310 will be converted to the same port on USG FLEX 700.

ZyWALL310	P1	P2	P3	P4	P5	P6	P7	P8						
USG FLEX 700	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14

ZyWALL 1100 to VPN1000

The port mapping from ZyWALL1100 to VPN1000 is one-to-one mapping.

USG1100	P1	P2	P3	P4	P5	P6	P7	P8						
VPN1000	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14

Read Me First for Version 6.x.x Series

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.

1. The configuration file name you uploaded must contain <u>fewer than 40</u> characters (used as a converted policy package name).
2. Ensure you use the latest release of ZLD OS firmware available on the portal when migrating from ATP/USG FLEX (firmware version ZLD **V5.37** or later).
3. Please note that this Converter only supports IPv4 objects and rules.
4. The converter is capable of translating configurations for the following components:
   - Interface (physical, logical, loopback, PPPoE)
   - Addresses & Address Groups
   - Service & Service Groups
   - Local Users & Groups
   - NAT Policies
   - DHCP Servers & Clients & Relays
   - Firewall Policies
   - Route Polices
   - IPSEC IKEv2 site-to-site
   - Security Features (Partial)
5. Certificates and Licenses will not be migrated. Certificate will revert to using the default certificate.
6. The Converter checks the maximum parameters. If exceeded, the conversion fails and generates corresponding logs.

After completing the conversion, please review the log file to identify any changes made during the process.

Limitations for uOS Platform

This chapter explains the precautions, behaviors, and limitations of the converter for each feature and function.

General

- The configuration file name you uploaded must contain fewer than 40 characters (used as a converted policy package name).
  {original config file name in 40 characters}_converted-XXXXX.conf
- Some features are not supported for migration, and you must manually migrate any unsupported features.
- Certificates and Licenses will not be migrated. Certificate will revert to using the default certificate.
- It does not support converting configuration files encrypted with a private encryption key. You must manually delete the encryption key before converting.
- [Mail Server] syslog mail server (email) will not be converted.

Networking

- The conversion process does not support Link Aggregation Group (LAG), Bridge, GRE (Generic Routing Encapsulation), or Virtual Interfaces. Please remove any LAG or Bridge configurations before starting the conversion.
- IPv6 configurations are not supported for conversion.
- Application Layer Gateway (ALG) configurations for SIP and H.323 are not supported.
- Bandwidth Management (BWM) configurations will not be converted.
- DNS Zone Forwarding configurations are not supported for conversion.
- DNS security options only convert address objects of the 'host' or 'subnet' types; other types will not be converted.

Routing

- Dynamic routing protocols, including RIP, OSPF, and BGP, are not supported for conversion.
- Policy Route: Next hop is VPN Tunnel does not convert

NAT Rules

- NAT rules will not be created for Fully Qualified Domain Name (FQDN) objects.

Site-to-Site VPN

- IPsec VPN does not support converting IKEv1 xAuth configurations.
- IPsec VPN connection rules containing DNAT or SNAT will not be converted.
- Secondary peer gateway addresses in IPsec VPN configurations are not supported for conversion.
- IPsec VPN certificates will revert to default settings; users must review and reconfigure their IPsec VPN settings after conversion.

Remote Access IPSEC VPN

- Only one policy will be converted. If created using the wizard, that policy will take precedence. If all policies are user-defined, only the first policy will be converted.
- Supports conversion of IKEv2 with MSCHAPv2 only.
- Two-factor authentication (2FA) for VPN access is not supported due to design differences between uOS and ZLD

Remote Access SSL VPN

- SSL VPN policy will not be converted.

DoS Prevention:

- DoS Prevention conversion is not supported. The conversion may fail due to design structure differences.

Objects

- IPv6 objects are not supported for conversion.
- When the referenced object cannot be converted, the behavior in each feature's field will be as follows:
  - **Policy Control:**
    - If the rule references a Schedule Object, Zone Object, SSL Inspection Profile, or Content Filtering Profile, the rule will be set to the uOS default.
    - The rule will be converted with its status set to "Inactive," while the Address Object's Source and Destination fields, Service Object, and User Object will default to "any."
  - **Session Control:** Rules will be converted with their status set to "Inactive," and the Address Object and User Object will default to "any."
  - **Policy Route:**

- Rules referencing an Interface in the "From" or "Next Hop" fields, or a Trunk (Interface Group), will not be converted and will be removed.
- Rules referencing a Schedule Object will be set to the uOS default.
- Rules will be converted with their status set to "Inactive." The Address Object's Source, Destination, and SNAT fields, along with the Service Object and User Object, will default to "any."

- **Static Route**: Rules will be converted, and the Next Hop interface will remain the same as the ZLD settings. However, if the interface does not exist in the uOS settings, users will need to create the interface manually to ensure the route functions properly.
- **DDNS:** If the DDNS primary interface cannot be converted, the profile will be removed. However, if the DDNS backup interface cannot be converted, it will be replaced with 'any'.
- **Trunk**: The trunk (interface group) will be converted but the member interface(s) will be removed. User have to modify the trunk by themselves.
- **Address Object:** If the address type is "Interface IP" or "Interface Subnet" or "Interface Gateway", it will not be converted and will be removed.
- **NAT Virtual-Server:**
  - Rules will be converted with their status set to "Inactive." The Address Object's Source and Destination fields, along with the Service Object will be set to default "any."
  - If the Interface or the port mapping Service/Service Group Object cannot be converted, the rule will be removed.
- **IP Exception:** If the Address Object in Source and Destination fields cannot be converted, the rule will be removed.

Users
- User types such as "guest," "guest-manager," "external group users," and "MAC address" are not converted. These must be manually created after the conversion.

Auth. Server
- Only the first two AAA authentication servers will be converted.
- HTTP authentication server will not be converted.

Security Features

Some profiles or settings may be converted, but proper functionality is not guaranteed. Please review the logs and the converted configuration files carefully and make any necessary adjustments manually.

- The converter transforms Content Filtering profile settings but does not convert DNS/URL Filtering categories (DNS/URL Threat Filter) (check and support will be added in the future).
- Anti-Malware partial settings are not converted (support will be added in the future).
- Application Patrol partial settings are not converted (support will be added in the future).
- Scheduled signature updates are not converted.
- Web Content Filtering and DNS Content Filtering are not converted.

Unsupported Features for H Series

Some supported features will not be converted and will require users to manually configure them.

- BWM
- 2FA authentication
- VPN Configure Provisioning
- ADP

Some features are not supported on current USG FLEX H series products and will be removed during the conversion process:

- Device High Availability (HA) configurations
- Captive Portal and User Agreement portal files
- Hotspot configurations
- Secure WiFi, AP Controller

These features will never be supported on the H series and cannot be converted.

- L2TP/IPsec
- VPN Concentrator configurations
- Built-in WiFi configurations

LAG Interface Unsupported

LAG interface conversion is not supported. If the configuration contains a LAG interface, please remove it and any related commands referencing the LAG

interface before proceeding with the conversion. Otherwise, an error will occur, and the conversion will fail.

Certificate Unsupported

CLI commands that reference a certificate will be modified to use the default certificate, as the original certificate will not exist on the target device.

V6.x.x Parameter Validation:

Note: The converter only supports Zyxel Security Appliance configuration files. Other file formats or contents will result in a converter error.

Error, and Warning Logs/Message

- If an error occurs during conversion, an error message will be displayed. In such cases, the converted configuration file will be incomplete and unusable.
- The converter will check all parameters to ensure they do not exceed the maximum limits. For example, if the configuration exceeds the maximum allowable number of VPN tunnels, a log will be generated, and the configuration may fail to apply to the target device.

Model	USG FLEX 50H/50HP	USG FLEX 100H/100HP	USG FLEX 200H/200HP	USG FLEX 500H	USG FLEX 700H
Max. Number of IPsec VPN Tunnel	20	50	100	300	1,000
Bridge (physical port: Eth+ SFP /2)	2	4	4	6	7
Policy Route Rules	100	100	100	300	500
Max. Trunk Number (user define)	4	4	4	8	8
Max. NAT Virtual Server Number	64	64	128	256	512
Max. Session Limit per Host Rules	100	100	100	100	100
Address Object	300	300	300	500	1000
Max. LDAP Server Object Number	4	4	4	8	8
Max. Radius Server Object Number	4	4	4	8	8
Max. AD Server Object Number	4	4	4	8	8
CNAME Record	8	8	8	8	8
MX Record	4	8	8	8	8
Max. DHCP Network Pool (vlan+brg+ethernet)	15	28	44	82	147
Max. DHCP Options (pre-defined + User defined) (per pool)	15	15	15	15	15
Max. Number of Content Filtering Profiles.	16	16	16	32	32

Max. URL Threat Filter Allow List Rule	256	256	256	256	256
Max. URL Threat Filter Block List Rule	256	256	256	256	256
Max. DNS Threat Filter Allow List Rule	256	256	256	256	256
Max. DNS Threat Filter Block List Rule	256	256	256	256	256

Read Me First for Version 5.x.x Series

1. Your existing model must use firmware version 4.32 or later.
2. The converter transforms networking, routing, VPN, and Firewall policy only.
   - The converter does not support LAG interface conversion. Please remove LAG configuration settings before conversion.
3. All configurations that use a certificate will revert to using the default certificate.
4. All customized web-auth. and UA portal files will revert to using the default profiles.
5. All Schedules are removed.
6. All Easy Mode, Hotspot, Device HA (A-P mode) configurations are removed for ATP. (see details in chapter: Removal of Unsupported Features for ATP)
7. All Easy Mode, Device HA (A-P mode) configurations are removed for USG FLEX/VPN (see details in chapter: Removal of Unsupported Features for USG FLEX /VPN)
8. The converter does not support ADP and UTM conversion.
   - The converter transforms Content Filtering profile settings but not URL Filtering categories (URL Threat Filter).
   - SSL Inspection profile settings remain the same.
9. IPSec VPN maximum parameters are checked and a warning issued if exceeded.
10. Security profile (AV, AS) will convert from multiple profile to USG FLEX/ATP default (Single) profile. Only Content Filter can keep multiple profile.

After conversion, please check the log file to see what has been changed during the conversion.

Limitations for ZLD Platform

This chapter explains the precautions, behaviors, and limitations of the converter for each feature and function.

Removal of Unsupported Features for ATP

There are some USG features not supported on ATP products. The following features on USG will be removed after conversion:
- IDP
- ADP
- Application Object
- Dynamic Guest
- Hotspot related: Billing, Payment Service, Printer Manager, Free Time, Walled Garden, Advertisement
- Facebook Wifi
- Easy Mode
- Device HA (A-P mode)
- SSLVPN Application

The device HA pro will be removed when the conversion target is ATP100 or ATP200.

Removal of Unsupported Features for USG FLEX/VPN

There are some USG/ZyWALL features not supported on USG FLEX or VPN products. The following features on USG/ZyWALL will be removed after conversion:
- IDP
- Application Object
- Easy Mode [1]
- Device HA (A-P mode)
- SSLVPN Application

The device HA pro will be removed when the conversion target is USG FLEX 100, USG FLEX 200 or VPN50.

Note: *1: if the target is VPN50, then the Easy Mode will be converted.

LAG Interface Conversion Unsupported

LAG interface conversion is not supported. If the configuration containing LAG interface, please remove it and the related commands using the LAG interface before conversion; otherwise an error will show up and conversion will fail.

Certificate Issue

CLI commands which use certificate will be modified to use default certificate because the certificate it used will not exist on the target device.

V5.x.x Parameter Validation:

Note: The converter can only convert USG/ZyWALL configuration file. Other file format or contents will cause converter error.

Error, and Warning Message

After conversion there will have messages which reports what happened during conversion. If error occurs during conversion, it will show which rule or parameter has caused the problem. When error occurred the converted configuration file is not complete and is unusable.

The converter will check all parameter whether or not the maximum number is exceeded. For example, if the configuration exceeds the maximum number of allowable VPN tunnels, a warning message will pop up and the configuration may fail to apply on target ATP, USG FLEX, or VPN device.

Model	ATP100/100W	ATP200	ATP500	ATP700	ATP800
Max. number of IPsec VPN tunnel	40	100	300	500	1000

Model	VPN50	VPN100	VPN300	VPN1000
Max. number of VPN tunnel	50	100	300	1000

Model	USG FLEX 100	USG FLEX 200	USG FLEX 500	USG FLEX 700
Max. number of VPN tunnel	40	100	300	500

Features: V6.0.1

Modifications in V6.0.1 – 2025/1/20

Bug Fix

1. [Bug Fix][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. [Bug Fix][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

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

4. [Enhancement] Supports converting USG FLEX series configurations to USG FLEX H series devices running uOS1.30 Patch 1.

5. [Enhancement] Supports converting ATP series configurations to USG FLEX H series devices running uOS1.30 Patch 1.

6. [Enhancement] Supports converting VPN series configurations to USG FLEX H series devices running uOS1.30 Patch 1.

7. [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

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
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

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.

Log

1. [Converter V6.0.0] [ZNGA-6742]

   Some log categories are missing.

SNMP

1. [Converter V6.0.0] [ZNGA-6740]

   Only SNMP "Community" and "Get" values that match will be converted.

Interface

1. [Converter V6.0.0] [ZNGA-6739]

   The sfp_ppp interface is missing after conversion. It should be converted to ge1_ppp.

2. [Converter V6.0.0] [ZNGA-6474]

   If the Connectivity Check selected "Check Default Gateway" then the Connectivity Check function will not be converted.