



FortiConverter - Release Notes

Version 7.4.0

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Introduction

This document provides installation instructions and requirements, resolved issues, and known issues for FortiConverter 7.4.0, build 0848.

FortiConverter provides a solution for the conversion of numerous firewall configurations into a FortiOS-compatible format. It currently supports the conversions below:

Alcatel-Lucent Brick	Bluecoat	Check Point	Cisco
Forcepoint	FortiGate	Huawei	IBM
Ivanti	Juniper	Open Systems	Palo Alto Networks
pfSense	Snort	SonicWall	Sophos
Trend Micro	Vyatta	WatchGuard	Zscaler

For 3rd party vendor conversions, output to FOS v6.4 format option will be removed in the next GA release.

FortiConverter also supports the conversion of load balancers into FortiADC configurations. It currently supports the conversions below:

F5	NetScaler	Radware
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For all conversions, you can complete conversion and view the results on the tuning page. All other functionality is disabled until you upgrade to the full license. In most cases, this limited functionality is sufficient to evaluate the product.



If your license expires and you do not renew the license, the functionality reverts to the trial version.

FC-10-CON01-401-01-12 1-year multi-vendor configuration migration tool for building FortiOS configurations, Windows OS is required.

FC-10-CON01-401-02-12 1-year renewal multi-vendor configuration migration tool for building FortiOS configurations, Windows OS is required.

For additional documentation, please visit: <https://docs.fortinet.com/product/forticonverter/>.

What's new

This release contains the following new features and enhancements:

- Added support for policy NAT conversion for Sophos SG/XG.
- Added support for Dynamic DNS conversion for Sophos SG/XG.
- Added support for BGP conversion for WatchGuard.
- Added support for OSPF conversion for Palo Alto.
- Added support for policy application control for Checkpoint.
- Added support for policy, DNAT, and SNAT conversion for OpenSystems.
- Introduced the ability to restart an existing conversion.
- Introduced backup and restore functionality for existing conversions.
- Added an option for users to specify the starting index for conversion.
- Added support for Interface, Real Server, Pool for NetScaler.
- Added support for tipping point firewall conversion for Trend Micro.
- Added support for Zscaler to FortiSASE conversion.

System requirements

FortiConverter is tested to run on the following Microsoft Windows 64-bit platforms:

- Microsoft Windows 11
- Microsoft Windows 10
- Microsoft Windows 8
- Microsoft Windows Server 2022
- Microsoft Windows Server 2019
- Microsoft Windows Server 2016
- Microsoft Windows Server 2012

If your Windows OS or Windows Server version isn't listed above, contact FortiConverter support at fconvert_feedback@fortinet.com.

Upgrading

FortiConverter has no special upgrade requirements. You may overwrite an existing installation with a different version. However, please do not uninstall the existing version, as the original DB binaries are required during database migration.

For additional support, contact fconvert_feedback@fortinet.com.

Supported versions and conversions

FortiConverter can translate configurations from the following vendors and models. Unless noted as an exception below, conversions only support IPv4 unicast policy.

If FortiConverter cannot properly translate some of the supported configurations listed from below table, please kindly contact our product support email alias fconvert_feedback@fortinet.com

FortiGate Conversions

Vendor	Models	Versions	Convertible Objects
Alcatel-Lucent	Brick	ALSMS v9.x	<ul style="list-style-type: none"> Interface (physical, logical, loopback, PPPoE) Addresses & Address Books Partitions Services & Service Books Static Routes Zone rule set
Bluecoat	SGOS	6.5.10 6.6.4.2 6.7.4 7.0	<ul style="list-style-type: none"> Addresses & Address Groups Proxy Address (group) Service Proxy Policy
CheckPoint	SmartCenter	NGX R65 onward	<ul style="list-style-type: none"> Interface Addresses & Address Groups Local Users & Groups NAT Negate Cell Policies (rulebases.fws/*.csv) RADIUS, TACACS+, LDAP Rules (rulebases.fws/*.csv) Schedules Services & Service Groups Static Routes Traditional IPsec sito-to-site VPN (Support only before R80.10) Simplified IPsec sito-to-site VPN
	VSX		
	Provider-1		
Cisco	ASA	7.x onward	<ul style="list-style-type: none"> ACLs Addresses & Address Groups DHCP Servers DNS Servers

Vendor	Models	Versions	Convertible Objects
	FWSM	3.x onward	<ul style="list-style-type: none"> Interface IP Pools Local Users & Groups NAT (Central NAT) RADIUS, TACACS+, LDAP Services & Service Groups Static Routes VPN
	IOS	10.x to 12.x	
		15.x	
	PIX	5.x onward	
	FTD (LINA)	6.x onward	
	IOS XR	4.x/5.x/6.x	<ul style="list-style-type: none"> Addresses & Address Groups & FQDNs Interface
		Nexus	5.2/6.x/7.x
Meraki			N/A
Forcepoint	Sidewinder	7.x onward	<ul style="list-style-type: none"> Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups

Vendor	Models	Versions	Convertible Objects
			<ul style="list-style-type: none"> Static Routes NAT (Policy NAT only)
	Stonesoft	5.7 onward	<ul style="list-style-type: none"> Addresses & Address Groups Interfaces Policies/ Sub-policy Alias Services & Service Groups Static Routes NAT
FortiGate	FortiOS	FOS5.2 and above	<p>FortiGate configuration can be converted based on the version of the target FortiGate device. However, note that</p> <ul style="list-style-type: none"> Older features might be deprecated and may not be fully converted over. The review is necessary. After importing the converted configuration, any CLI commands that have not successfully imported can be reviewed on the page. For more details, please see "FortiGate configuration migration" section in the admin guide.
Huawei	USG Series		<ul style="list-style-type: none"> Interface Zone Addresses & Address Groups Services & Service Groups Policy Route Zone IPSec Policy (VPN) Security Context Nat Policy (SNAT) Nat Server (VIP)
IBM	PAM		IPS Sensor
Ivanti		N/A	<ul style="list-style-type: none"> Addresses Services User groups Policies
Juniper	SSG/ISG	ScreenOS 4.x, 5.x,	<ul style="list-style-type: none"> Addresses & Address Groups & FQDNs

Vendor	Models	Versions	Convertible Objects
		6.x	<ul style="list-style-type: none"> • DHCP Servers & Clients & Relays • Interfaces • Static Routes • Services & Service Groups • Policies • VIPs/MIPs • NAT • IP Pools • VPN • Local Users & Groups • RADIUS & LDAP • Zones
	SRX	JunOS 10.x onward	<ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs • DHCP Servers & Client & Relay • Interfaces • IP Pools • Local Users & Groups • NAT • Policies • RADIUS & LDAP • Services & Service Groups • Static Routes • VIPs/MIPs • VPN (IPSec site-to-site) • Zones • Routing-instances (virtual-router)
	MX	Juno OS 10.x to 12.x	<ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs • Interfaces • IP Pools • Policies • Services & Service Groups • Static Routes
Open Systems			<ul style="list-style-type: none"> • Addresses & Address Groups • Services & Service Groups
Palo Alto Networks	PAN OS	PAN-OS 1.x onward	<ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs • Interfaces • Local Users & Groups • NAT • Policies

Vendor	Models	Versions	Convertible Objects
			<ul style="list-style-type: none"> Schedules Static Routes Services & Service Groups Zones VPN (GlobalProtect VPN not supported) Panorama
pfSense		15+	<ul style="list-style-type: none"> Addresses & Address Groups Interfaces NAT (Central NAT only) Policies Services & Service Groups Static routes
Snort			IPS rules
SonicWall	TZ Series NSA Series	SonicOS 4.x onward	<ul style="list-style-type: none"> Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces Local Users & Groups NAT Policies Schedules Services & Service Groups Static Routes Zones VPN (IPSEC site to site) SSLVPN
Sophos	XG Series	SFOS 17.0 - 17.5 MR3	<ul style="list-style-type: none"> Interface Zone Addresses & Address Groups Service & Service Groups Users & User Groups Policy NAT (XG supports traditional NAT merge and SG model supports central NAT mode only)
	Cyberoam	Cyberoam OS 10.6.3 onward	
	SG Series	6.6 onward	
Trend Micro	IPS	4.5	<ul style="list-style-type: none"> Addresses & Address Groups Policies Services & Service Groups

Vendor	Models	Versions	Convertible Objects
	Firewall	TOS v6.5x onward	<ul style="list-style-type: none"> • Interfaces and zones • Addresses and Address groups • Services • Policies • Static Routes • DHCP server & Relay • Application-list
Vytta	VyOS	5.2 to 6.7	<ul style="list-style-type: none"> • Interface • Zone • Addresses & Address Groups • Services & Service Groups • Policy • Route
WatchGuard	Firebox Series XTM Series	Fireware 11.3 onward	<ul style="list-style-type: none"> • Interfaces • Addresses & Address Groups • Services & Service Groups • Policies • Static Routes • IPSec VPN • NAT
Zscaler		N/A	<ul style="list-style-type: none"> • Addresses & Address Groups • Services

Exception

- Check Point to FGT conversion can support IPv4 multicast policy.
- Check Point, Cisco, and Juniper (Junos only) to FGT conversion can support IPv6 unicast policy.
- Bluecoat conversion supports FortiProxy mode which the generated CLI would be slightly different to FortiGate mode.

FortiADC conversions (Beta feature)

Vendor	Models	Versions	Convertible Objects
Citrix NetScaler	MPX/SDX/VPX	NS12.1	<ul style="list-style-type: none"> • Interface • Real servers • Pools
F5		N/A	<ul style="list-style-type: none"> • Nodes • Pools

Vendor	Models	Versions	Convertible Objects
			<ul style="list-style-type: none">• Virtual addresses• Virtual servers• Server policies (FortiWeb only)
Radware	Alteon	30.x	<ul style="list-style-type: none">• Real servers• Server groups• Virtual servers

Resolved issues

The resolved issues listed below don't list every bug that has been corrected with this release. For inquiries about a particular bug, please email support at fconvert_feedback@fortinet.com.

Bug ID	Description
1094465	Added support for policy, DNAT, and SNAT conversion for Open Systems.
1141893	NFR policy nat support for Sophos SG/XG
1164735	NFR virtual router to VDOM support for Palo Alto
1172146	NFR allow user to restart existing conversions
0997506	NFR BGP support for Watch Guard
0987309	NFR OSPF support for Palo Alto.
1171273	NFR conversion backup/restore
1169158	NFR DDNS support for Sophos SG/XG
1094465	NFR policy/dnat/snat support for Open Systems
1119603	NFR configurable policy start index
1179885	Fix admin user password issues for Sophos SG
1179891	Fix user group member binding issues for Sophos SG
1119184	Fix invalid device settings for Huawei
1116678	Fix interface mapping deleting issue for pfSense
1116681	Fix zone overlooked issue for pfSense
1168670	Fix missing vlan issue for Sophos
1181871	[BUG] Error message gives ambiguous information to customer

Known issues

The issues listed below do not include every known bug. For questions about a particular bug, please email FortiConverter support at fconvert_feedback@fortinet.com.

Bug ID	Description
1021430	NFR: new vendor Cipafilter support
1183172	Watchguard: Reserved IPs can be converted for dhcp server entries.
1183169	Watchguard: Netmask should be converted from interface settings for dhcp server
1183163	NFR: Watchguard: To convert HA settings
1182688	"super_admin" accprofile entry can be ignored which is already present in the device
934253	NFR: General: Build a startup wizard for greenfield devices - phase 1



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