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FortiConverter - Release Notes

Version 7.2.1

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Introduction

This document provides installation instructions and requirements, resolved issues, and known issues for FortiConverter 7.2.1, build 0732.

FortiConverter provides a solution for the conversion of numerous firewall configurations into a FortiOS-compatible format. It currently supports the conversion of Cisco, Check Point, Juniper, SonicWall, Palo Alto Networks, Forcepoint, Trend Micro, Vyatta, Sophos, WatchGuard, Huawei, Alcatel-Lucent Brick, pfSense, Zscaler, Ivanti, Open Systems, Zscaler, and FortiGate configurations.

FortiConverter also supports the conversion of load balancers into FortiADC configurations. Currently F5, NetScaler, and Radware load balancers are supported.

In addition, FortiConverter can convert Snort IPS rules to custom signatures, Bluecoat proxy, and IBM IPS sensor.

In this release, NetScaler conversion is introduced to FortiConverter where NetScaler Interfaces, Real Servers, and Pools can be converted.

In addition, the Tipping Point “Firewall” model is added into FortiConverter where the Interfaces, Zones, Address (Groups), Services, Policies, Static Routes, DHCP Servers, Application-lists can be converted.

Zscaler conversion is also introduced to FortiConverter where Zscaler Addresses, Services, Users, User Groups, Firewall Policies can be converted.

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:

- Supported the conversion of Citrix NetScaler to FortiADC.
- Supported the conversion of Tipping Point firewall (Previously HPE firewall).
- Supported the conversion of Zscaler to FortiSASE.

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	
Tipping Point	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
1107863	Checkpoint: Central NAT to Policy NAT look up is skipped for multiple services in same policy
1107094	source file parsed on the tool after few hours and keeps loading
1106841	interface mapping reference didn't change when mapping is interchanged between two interfaces
1108039	PAN: tool crash if making changes in already mapped application
1107866	Checkpoint: Central NAT to Policy NAT - interface lookup is not correct
973789	Detect correct VDOM name in VDOM backup config.
1014891	PAN: Source Interface Filter mapping for VIP/DNAT is incorrect
1122230	Tool crashes if firewall policy does not have a comment for Policy to Profile mode conversion
1137683	Translate PAN's firewall Redundant warnings
1119603	Incorrect Policy Conversion for IPsec with DNAT in FCONV
1126770	Translate PAN's firewall URL list to ftgd-local-cat of FGT ngfw mode with policy_based
981269	Bluecoat - Forward Rules are not converted properly.
1116902	Renaming Object does not update in Ipsec Phase 2
1068849	Forcepoint: Support conversion of object files from management server
1141850	Cisco: SCTP protocol is not converted
1137906	Configuration migration from 5.2.4 to 6.4.9 in Forticonverter not working for VPN PSK passwords

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
1103689	In policy when schedule is set to other values which is not supported in FGT Error message should be displayed.
1115410	NFR: Juniper SRX feature support of route map for ospf
1105370	Vyatta - the tool is failing to parse policies and nat rules
1116360	NFR: NAT64 support for PolicyNAT Cisco conversion.
1119185	Huawei: Tool missed to convert zones config.
1147585	Palo Alto: Static route gateway should not have the netmask prefix
1143882	Cisco (ASA) conversion failed at NAT tuning page
1139914	Parser issue in root for WatchGuard ticket
1145317	[BUG] Cisco IOS conversion nat tuning failed
1148473	tool fails at NAT merge for multiple thirdparty conversion process



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