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FortiConverter - Release Notes

Version 7.0.0

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Introduction

This document provides installation instructions and requirements, resolved issues, and known issues for FortiConverter 7.0.0, build 0031.

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, McAfee, Forcepoint, Trend Micro, Vyatta, Sophos, WatchGuard, Huawei, Alcatel-Lucent Brick, and FortiGate configurations.

FortiConverter can also convert Short IPS rules to custom signatures; Also, the Bluecoat proxy, and IBM IPS sensor.

In this version, FortiConverter allows users to use HTTPS connection to access the application server to achieve safer data transfer. Users can choose to use HTTPS connection or remain using HTTP connection while installing FortiConverter.

FortiConverter supports the conversion up to FortiOS v7.2 for both FGT-FGT and 3rd party conversions.

The REST API import feature to FortiManager has also been enhanced. FortiConverter is able to detect the duplicate object names already existed on FortiManager and prevent overwriting them during REST API import. It also detects and merges the objects that have different names but with the same value, which are defined separately between FortiManager and the converted config.

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:

- Support for FortiOS 7.2 conversion in both FGT-FGT and 3rd party conversions.
- Support for HTTPS connection between browser and server.
- Enhanced duplicate object search to find duplicate names and contents between the converted configuration and connected devices.
- Allow users to change the type of interfaces in the interface mapping page for FortiGate-to-FortiGate conversions.

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 7
- 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.

*Note that FortiGate-to-FortiGate REST-API install is not backward compatible. You won't be able to enter the FortiGate conversion page, which was run by the old version of FortiConverter.

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

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 VPN communities (IPSec site-to-site)
	VSX		
	Provider-1		

Vendor	Models	Versions	Convertible Objects
Cisco	ASA	7.x onward	<ul style="list-style-type: none"> • ACLs • Addresses & Address Groups • DHCP Servers • DNS Servers • Interface • IP Pools • Local Users & Groups • NAT (Central NAT) • RADIUS, TACACS+, LDAP • Services & Service Groups • Static Routes • VPN
	FWSM	3.x onward	
	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 • IPPools • Policies • Services & Service Groups • Static Routes
		5.2/6.x/7.x	
Nexus	Nexus	5.2/6.x/7.x	<ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs • Interface • IPPools • Policies • Services & Service Groups • Static Routes
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

Vendor	Models	Versions	Convertible Objects
			<p>not successfully imported can be reviewed on the page.</p> <ul style="list-style-type: none"> 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
Juniper	SSG/ISG	ScreenOS 4.x, 5.x, 6.x	<ul style="list-style-type: none"> Addresses & Address Groups & FQDNs 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

Vendor	Models	Versions	Convertible Objects
			<ul style="list-style-type: none"> • 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
Forcepoint	Sidewinder	7.x onward	<ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs • Interfaces • IP Pools • Policies • Services & Service Groups • 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
Palo Alto Networks	PAN OS	PAN-OS 1.x onward	<ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs • Interfaces

Vendor	Models	Versions	Convertible Objects
			<ul style="list-style-type: none"> Local Users & Groups NAT Policies Schedules Static Routes Services & Service Groups Zones VPN Panorama
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

Vendor	Models	Versions	Convertible Objects
			<ul style="list-style-type: none"> • Policies • Services & Service Groups
Vyatta	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

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.

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
807695	User and user group conversion
806905	Bluecoat Negate conditions are not converted
806575	In FortiConverter support Palo Alto Firewall using VSYS to a Fortigate configuration
805387	Time schedulers on Bluecoat are not being converted
805381	Bluecoat domain objects (server_url.domain) are not converted as expected
805372	Bluecoat objects (proxy.address) are not being converted
805303	Bluecoat service objects are not converted as expected
797664	Issue with Port Range on custom service output
792833	Support https for FortiConverter server access
783014	route with config "set sdwan enable" gets dropped in final configuration
757506	FGT-FGT - should convert invalid-server-cert command from firewall ssl-ssh-profile from 6.2 to 6.4
755586	Juniper Conversion Fortigate: Web browser report "out of memory" when translate 400K lines customer's config
748438	Address objects should not be deleted in fgt-fgt conversion
748424	Should remove configuration related to device-category for 6.2.4 and above(fgt-fgt conversion)
748146	[FGT-FGT] Should preserve customer snmp index settings and remove default target file snmp index settings
756348	Highlight any password fields that may have been omitted in FCON report
737862	Converting from 7000E 6.0.12 yields error
731216	Convert Check Point policy package configuration into FortiManager requires to detect name conflict
801900	Palo Alto section does not allow adding files from Panorama and device

Bug ID	Description
808263	Interface mapping not taking effect for aggregate members

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
774648	Juniper irb interfaces and vlans shall be put in the correct interface.
748700	FGT-FGT offline mode should handle transparent mode, and trusthost to avoid device disconnection.
817866	Split-task mode support for FGT-FGT conversion.
752804	Bluecoat conversion - no proxy policy converted and see a lot of "unmatched line"
814304	Tuning page VIP object table - "Src-Nat VIP" option not working as expected
802950	Bluecoat Conversion errors
794706	Check Point conversion after enabled vdom name mapping "config system session-helper" placed under config vdom
789915	Policies and static routes did not come over due to malformed outputs
789063	FortiConverter - Insert "set fortiguard-anycast disable" if source config contains fortiguard configuration
787098	For Juniper SRX, the policies outside a routing-instance are not converted to FOS
769763	Interface mapped to other interface,if empty interface used again in VLAN,all references to that interface changes to new mappin
756573	Option name "Get routing info from source configuration file" misguides users
755650	Sophos SG - Interface mapping page does not have all the ports listed
734536	ForcePoint to FortiProxy convertor
807835	Fortilink member should be unset
763167	Checkpoint - Support for json/html file conversion extracted from Show package tool
813018	Duplicate IP present in port definition under system interface
776890	When source config has interface with pppoe mode and has no reference, that interface drops in conversion when "Discard interfa"

Bug ID	Description
809669	Hardswitch interface IP address not migrated from source config for Fortigate to Fortigate conversion
806706	The "config firewall addrgrp" is not reflecting the edit "Edited Europe Continent" correctly
814883	Converting to Profile mode from Policy mode or from Application aware rulset
813867	Default Cisco Service objects not migrated by Tool
813321	Static NAT (DNAT&Virtual IPs) is not tally what were configured In Juniper. Seem like FCONV didn't bring over "source address"
805833	Flag for vlan-switch and vlanid
802655	config firewall policy46 does not accept "dstaddr" entry of type addrgrp6, hence vipgrp46 object need to be created instead.
802646	set proposal command did not get converted over
794866	Cisco ASA conversion ACL referenced by two interfaces, but converter can only take one
759641	For Fortigate migration FortiConverter doesn't show specific interfaces belonging to the target platform (like in the lab tool)
746993	Copy and snapshot of a conversion
730340	"Exclude-member" in address group objects should be able to be edited in the tuning age.



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