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FortiConverter - Release Notes

Version 6.2.0



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Introduction

This document provides installation instructions and requirements, resolved issues, and known issues for FortiConverter 6.2.0, build 0184.

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 Snort IPS rules to custom signatures; Also, the Bluecoat proxy, and IBM IPS sensor.

FortiConverter provides a browser/server-based application. As a web application design, the database allows you to save conversions and support large source-firewall configurations. The new GUI design is intended to improve usability and provide a framework for new functionality.

In this version, FortiConverter provides the conversions for Check Point VSX, and supports the NGFW policy mode for Palo Alto conversions. REST API import is now available in not only FortiGate, but also FortiManager and FortiProxy devices.

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 Check Point VSX conversion.
- Support Check Point interface information file input for VLAN ID correction.
- Support REST API import to FortiProxy devices.
- Support REST API import to FortiManager devices.
- Support NGFW policy mode for Palo Alto conversion.
- Support object editing in the REST API import page.
- Support TACACS+, LDAP and RADIUS server object editing in the Tuning page.
- Support ScreenOS virtual router conversion to FortiOS VDOMs.
- Support Palo Alto conversion in NGFW policy-based mode.
- Support import config to FortiProxy Via RestAPI for Bluecoat conversions.

System requirements

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

- 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	NGFP1 (4.0) to NGX R80	<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	NGX R65 to R80	

Vendor	Models	Versions	Convertible Objects	
Cisco	ASA	7.x/8.x/9.x	<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/4.x		
	IOS			10.x to 12.x
				15.x
	PIX	5.x/6.x/7.x/8.x		
	Firepower	6.x		
	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
	Nexus	5.2/6.x/7.x		
FortiGate	FortiOS	FOS5.2 and above	<p>FortiGate configuration can be converted based on the version of the target FortiGate device (We suggest to migrate to FortiOS 6.0 and above). 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 	

Vendor	Models	Versions	Convertible Objects
			<p>configuration, any CLI commands that have 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	JunosOS 10.x to 18.x	<ul style="list-style-type: none"> Addresses & Address Groups & FQDNs DHCP Servers & Client

Vendor	Models	Versions	Convertible Objects
			<ul style="list-style-type: none"> • & 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
McAfee	Sidewinder	7.x, 8.x	<ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs • Interfaces • IP Pools • Policies • Services & Service Groups • Static Routes
Forcepoint	Stonesoft	5.7 - 6.7	<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 to 10.x	<ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs

Vendor	Models	Versions	Convertible Objects
			<ul style="list-style-type: none"> • Interfaces • Local Users & Groups • NAT • Policies • Schedules • Static Routes • Services & Service Groups • Zones • VPN • Panorama
			IPS rules
SonicWall	TZ Series NSA Series	SonicOS 4.x, 5.x, 6.x	<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
	Cyberoam	Cyberoam OS 10.6.3 onward	<ul style="list-style-type: none"> • Service & Service Groups • Users & User Groups • Policy • NAT (XG supports traditional NAT merge and SG model supports central NAT mode only)
	SG Series	6.6 to 7.0	
Tipping	IPS	4.5	<ul style="list-style-type: none"> • Addresses & Address

Vendor	Models	Versions	Convertible Objects
Point			<ul style="list-style-type: none"> Groups • Policies • Services & Service Groups
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 to 12.6	<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
580490	Stonesoft Conversions - resolve source and destination interfaces in Firewall Policy
590017	Watchguard: Firewall policies fail because of undefined interfaces
611841	FortiConverter having problem to converting Checkpoint configuration
655413	Palo Alto: Extra Interface created in converted configuration
681299	ForcePoint/Stone soft conversion throws errors
686987	Sonicwall - Too many entries in all tables of .user.local in vdom root
687675	BGP conversion of Juniper SRX
687678	Global policies in Juniper SRX should be converted in FMGR mode
689205	Cisco ASA: The 'extport' port value should be in the range of 1-65535.
689587	Diff Conversion crashed for two Forcepoint configs
689769	Address group with single member conversion from Watchguard [Enhancement]
690019	Palo Alto: Services for firewall policies are not set
690099	Sophos interfaces not converted
692069	Juniper Conversion Fortigate: NAT tuning job initiation failed
692299	Cisco ASA: Too many entries in all tables of .router.static in vdom root.
692736	SSG: Support vrouter into FortiOS multi-VDOM.
696748	BlueCoat to FortiGate configuration migration failed
697569	Sophos conversion --> Setting of VIP objects in dstaddr of firewall policy is not allowed.

Bug ID	Description
697882	Support for GeolP objects conversion [Enhancement]
699788	Juniper SSG conversion - Converter failed in root
699957	Cisco conversion - Combine policies generated by NAT merge [Enhancement]
701556	Cisco ASA : Too many entries in all tables of .user.ldap.
702292	Juniper SRX: Interface name should be parsed correctly after conversion.
703246	Addresses also need to be split while doing "Interface Pair View Split" in the tuning page.
703516	Show object detail while hovering on an object in tuning page.
703600	Add download link for script ""extractconfig.pl" in Lucent Brick conversion
704195	FortiConverter cannot convert nexus - parse error - even with demo file
706500	Replace the service of policy into translated port in SSG conversion.
707817	Sonicwall: Remove extra ">" from the adress.
649871	Forticonverter - NGFW policy mode option for PAN conversion
705590	Add option "Convert virtual router into FOS virtual domain" into SSG conversion just like in SRX.
698334	Support converting routing-instances to VDOM in multiple LSYS systems for Juniper SRX.
706914	For FGT-FGT migration, avoid to migrate hostname field if the source FGT device uses it's SN as a default value
709416	Cisco: Add support to set pppoe mode on interface after conversion.
710797	FGT-FGT: Need to change syntax for SD-WAN configuration for 6.4.
711903	Blank VIP entries in SSG conversion.

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
594510	Support dynamic and DDNS type of Checkpoint VPN communities.
699886	Central NAT - an option to filter the original policy for merged NAT rules so that it can be manually handled
0709114	FGT-FGT migration: Should remove some default settings from the target config file that can interfere with source config settings
709567	Checkpoint Botnet Dynamic address list conversion support



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