FortiConverter - Release Notes

Version 6.2.1

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Introduction

This document provides installation instructions and requirements, resolved issues, and known issues for FortiConverter 6.2.1, build 0225.

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 supports the conversion to FortiOS 7.0 for both FGT-FGT and 3rd party conversions. For Palo Alto conversions, the source device no longer needs to disable Panorama before exporting the source configuration. Panorama config can be input as the source configuration.

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 FortiOS 7.0 conversion in both FGT-FGT and 3rd party conversions.
- Support Panorama configuration as input in Palo Alto conversions.
- FGT-FGT device mode supports to ignore global scope and/or interface objects installed before the Import Config process.
- FGT-FGT conversion now supports the option not to migrate device hostname and alias.

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	• 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	• Addresses & Address Groups • Proxy Address (group) • Service • Proxy Policy
CheckPoint	SmartCenter	NGFP1 (4.0) to NGX R80	• 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	• 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	• 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	FortiGate configuration can be converted based on the version of the target FortiGate device. However, note that • 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
			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		• 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	• 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	• Addresses & Address Groups & FQDNs • DHCP Servers & Client & Relay • Interfaces

Vendor	Models	Versions	Convertible Objects
			• 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	• Addresses & Address Groups & FQDNs • Interfaces • IP Pools • Policies • Services & Service Groups • Static Routes
McAfee	Sidewinder	7.x, 8.x	• Addresses & Address Groups & FQDNs • Interfaces • IP Pools • Policies • Services & Service Groups • Static Routes
Forcepoint	Stonesoft	5.7 - 6.7	• 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	• Addresses & Address Groups & FQDNs • Interfaces • Local Users & Groups

Vendor	Models	Versions	Convertible Objects
			• NAT • Policies • Schedules • Static Routes • Services & Service Groups • Zones • VPN • Panorama
Snort			IPS rules
SonicWall	TZ Series NSA Series	SonicOS 4.x, 5.x, 6.x	• 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	• 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 to 7.0	
Tipping Point	IPS	4.5	• Addresses & Address Groups • Policies

Vendor	Models	Versions	Convertible Objects
			• Services & Service Groups
Vytta	VyOS	5.2 to 6.7	• Interface • Zone • Addresses & Address Groups • Services & Service Groups • Policy • Route
WatchGuard	Firebox Series XTM Series	Fireware 11.3 to 12.6	• 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 inquires about a particular bug, please email support at fconvert_feedback@fortinet.com.

Bug ID	Description
724752	Address object conversion
725211	Need to handle the case about an address group and an address using the same name in Cisco.
718606	FGT-FGT should not map interfaces in 'config switch-controller managed-switch'
727979	FGT-FGT need to add "set vdom root" to interfaces in "config system switch-interface" for models like 30D
724649	FGT-FGT - should remove built-in wifi from source FortiWiFi configs
562556	Convert Bluecoat explicit proxy configuration
645643	Bluecoat proxy address objects are not converted by FortiConverter.
723110	Juniper - Central Source NAT does not preserve the Source port
709114	FGT-FGT - should remove some default settings from the target config file that can interfere with source config settings
719633	PAN - Panorama conversion support
717654	Support logical interface remap through physical interface mapping page
717660	FGT VLAN interface import error
717458	Juniper SSG - VDOM link interfaces should be limited to 11 characters
718384	Sonicwall - VPN name same as zone name, which causes the VPN to fail if loaded onto FGT
718544	FGT-FGT - should remove 'set admin-server-cert' from 'config system global'
710797	FGT-FGT - Need to change syntax for SD-WAN configuration for 6.4
716417	FGT-FGT - interface mapping incorrect output

Bug ID	Description
717663	Add a refresh button into the logical interface tuning page to support change of the underlying physical interface
712775	FGT Rest API import for global settings and interface settings.
727627	VPN objects duplicated in multi VDOM Palo Alto 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
730340	"Exclude-member" in address group objects should be able to be edited in the tuning age.
729925	Juniper Conversion Fortigate: Only 1 Logical-systems can be translated if multiple LSYS in customer config
728062	Converted Palo Alto configuration to Fortigate misses service ports in attached policies.
729695	Juniper SRX schedule conversion to Fortigate error
709567	Checkpoint Botnet Dynamic address list conversion support