

FortiConverter - Release Notes

Version 5.6.2

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Introduction

This document provides installation instructions and caveats, resolved issues, and known issues for FortiConverter 5.6.2, build 0541.

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 (Sidewinder and Stonesoft), Trend Micro, Vyatta, Sophos, Alcatel-Lucent Brick, WatchGuard, and FortiGate configurations.

FortiConverter can also convert Snort IPS rules to custom signatures.

FortiConverter 5.6.2 provides a new browser/server based application, in addition to the legacy application. Designed as a web application, its database allows conversions to be saved and supports large source-firewall configurations. This, and the new GUI, is intended to improve usability and provide a framework for new functionality.

Two installers are available on the support site:

- `FortiConverterSetup_5.6.2_Build0541.exe` is the legacy application.
- `FortiConverterSetup_5.6.2_Build0541.py.exe` is the new application.

Both the legacy and new applications use the same license key and should be installed on the same host.

The FortiConverter 5.6.2 new application supports the Cisco ASA, PIX and FWSM, Check Point, Juniper SRX, SSG and MX, Sophos, Vyatta, SonicWall, Palo Alto, McAfee(Stonesoft), WatchGuard conversions, FortiGate migration and Snort IPS conversion. Use release 5.6.2 of the legacy application for all other supported conversions.

FortiGate to FortiGate migration is now supported in the new application, and it supports migrations to FortiOS 6.0.

For all 3rd party conversions, you can complete a conversion and view the results in the tuning page. All other functionality is disabled until you upload the full license. In most cases, this limited functionality is sufficient to allow you to evaluate the product.

*Note that FortiGate-to-FortiGate migrations may not be viewed in the tuning page.



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

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

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

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

What's new

This release contains the following new features and enhancements:

- **McAfee Stonesoft** conversion to new tool has been migrated to the new application.
- **WatchGuard** conversion is now supported in the new application.
- Virtual firewall conversion is now supported in McAfee Stonesoft conversion.
- Supports bulk conversion which is able to convert multiple configuration files in single conversion.
- Supports downloading object information in source configuration as CSV files.
- Supports Restful API import for Snort IPS conversion.
- Supports central NAT conversion in McAfee Stonesoft conversion.

System requirements

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

- Microsoft Windows 10
- Microsoft Windows 8 (32-bit and 64-bit)
- Microsoft Windows 7 (32-bit and 64-bit)
- 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

Both the legacy application and the new application for FortiConverter has no special upgrade requirements. You may overwrite an existing installation with a different version.

For additional support, contact fconvert_feedback@fortinet.com.

Supported versions and conversions

FortiConverter can translate configurations from the following vendors and models.

- In some cases, FortiConverter can't translate some parts of the configuration because of dependencies or unsupported syntax and you must manually convert them.
- If the number of objects exceeds the maximum valid length for FortiGate or FortiManager, FortiConverter trims them.
- FortiConverter comes with two different applications, each capable of a different set of conversions. The Converter Application column shows which FortiConverter application to use for each conversion.

Unless noted as an exception below, conversions only support IPv4 unicast policy.

Vendor	Models	Converter Application	Versions	Convertible objects
Alcatel-Lucent	Brick	Legacy Application	ALSMS v9.x	Addresses & Address Books Interfaces(physical, logical, loopback, PPPoE) Partitions Services & Service Books Static routes Zone rule set
Check Point	SmartCenter	New Application	NG FP1 (4.0) to NGX R80	Addresses & Address Groups Interfaces Local Users & Groups NAT Negate Cell Policies (rulebases.fws)
	Provider-1	New Application	NGX R65 to R80	RADIUS, TACACS+, & LDAP Rules Schedules Services & Service Groups Static routes VPN (IPSec)
Cisco	PIX	New Application	5.x/6.x/7.x/8.x	ACLs Addresses & Address Groups
	ASA	New Application	7.x/8.x/9.x	DHCP Servers DNS Servers Interfaces
	FWSM	New Application	3.x/4.x	IP Pools Local Users & Groups NAT
	IOS	Legacy Application	10.x to 12.x 15.x	RADIUS, TACACS+, & LDAP Services & Service Groups Static Routes
	IOS XR	Legacy Application	4.x, 5.x, 6.x	Addresses & Address Groups & FQDNs

FortiGate	Nexus	Legacy Application	5.2, 6.x, 7.x	Interfaces IP Pools Policies Services & Service Groups Static Routes
	FortiOS	New Application	FOS v5.2 and above	FortiOS CLI FortiGate configurations can be converted based on the new required FOS versions, however note that: <ul style="list-style-type: none"> • Older features might be deprecated and may not be fully converted over. • After loading the converted configuration, any CLI commands that have not been successfully restored can be reviewed using the command "diag debug config-error-log read".
Juniper	SSG/ISG	New Application	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	New Application	Junos OS 10.x to 18.x	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 Zones
	MX	New Application	Juno OS 10.x to 12.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes
McAfee	Sidewinder	Legacy Application	7.x, 8.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes
	Stonesoft	New Application	5.7 to 6.3	Addresses & Address Groups Interfaces Policies Services & Service Groups Static Routes
Palo Alto Networks	PA	New Application	PAN-OS 1.x to 8.x	Interfaces Zones Addresses & Address Groups & FQDNs Services & Service Groups Static Routes NAT Policies Schedules Local Users & Groups
SonicWall	TZ Series NSA Series	New Application	SonicOS 4.x, 5.x, 6.x	Interfaces Zones Addresses & Address Groups & (Wildcard) FQDNs Services & Service Groups Static Routes DHCP Servers & Clients & Relays

				NAT Policies Schedules Local Users & Groups VPN (IPSEC site to site)
Sophos	XG Series	New Application	SFOS 17.0	Interface Zone Address Address group Service Service group User User group Policy
	Cyberoam		Cyberoam OS 10.6	
Tipping Point	IPS	Legacy Application	4.5	Addresses & Address Groups Policies Services & Service Groups
Vyatta	VyOS	New Application	5.2 to 6.7	Interface Zone Address group Service group Policy Route
WatchGuard	Firebox Series XTM Series	New Application	Fireware 11.3 to 12.1	Interfaces Addresses & Address Groups Services & Service Groups Policies Static Routes

Exceptions

- 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.

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
571804	Firewall VIP has multiple extintf values in SRX conversion
571303	Static NAT destination-address-name field format not properly handled in SRX conversion
571141	Service "junos-ms-rpc-msexchange" not converted in SRX conversion
571138	"set groups any" misplaced in firewall policy
571127	System DHCP Server settings should be present under vdoms and not global
571101	System dhcp server fails because interface isn't assigned
571095	Incorrect vdom assigned to VLANs
569986	Unparsed Juniper SRX address objects defined by keyword "ip-prefix"
569045	JuniperSRX conversion - config system snmp sysinfo should be in global
568733	Checkpoint Conversion: VIP fails because of same extip and mapped ip
568538	SonicWall Conversion: Firewall service custom object name contains XSS vulnerable characters
568499	Sonicwall Conversion: interface mapping isn't applied in zone definitions.
567292	Juniper Conversion: DHCP server object id is present in a string instead of an integer
565475	SonicWall Conversion: IPSec VPN object name contains XSS vulnerable characters
565399	Overlengthed column in tuning page is wrongly populated
565094	Juniper Conversion: Duplicate dhgrp fails in IPSec VPN
565087	Undefined value for extip in firewall VIP
565073	Trimmed VPN's name doesn't reflect in firewall address
564628	Juniper Conversion: local IP and remote IP of VPN are not parsed
564463	Juniper Conversion: Firewall policies fail due to incorrect srcaddr/dstaddr
564461	Juniper Conversion: VPN interfaces are defined before addresses are associated with them
564447	Juniper Conversion: Firewall policies srcintf/dstintf should be appropriately set with zones
564436	Juniper Conversion: Central NAT is enabled in ScreenOS conversion
564435	Juniper Conversion: Duplicate double Quotes in converted output
563297	Cisco Conversion: Unenclosed double quotes in psksecret fails the vpn ipsec phase1-interface settings

- 558078 Conversion doesn't direct to the tuning page automatically in some case.
- 557348 Identifying CKPT Global Objects
- 556092 Cisco Conversion: For central snat table, "dstintf" shall be set to "any" for cisco nat exemption config

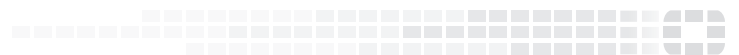
Known issues

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
569419	Wildcard FQDN address doesn't handle in FGT-FGT conversion.
564891	Incorrectly created firewall policy for the new VPN tunnels
537433	Check Point to FOS v6.0 central NAT conversion issues
518073	Missing Firewall VIPs after conversion
435354	Cisco ASA IPSEC VPN ACL conversion bug



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