



CONFIGURATION MIGRATION TOOL

FortiConverter Release Notes

VERSION 5.6.0 Build 0478

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FortiConverter 5.6.0 Build 0478 Release Notes

1st Edition

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Introduction

This document provides installation instructions and caveats, resolved issues, and known issues for FortiConverter 5.6.0, build 0478.

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 and FortiGate configurations. FortiConverter can also convert Snort IPS rules to custom signatures.

FortiConverter 5.6.0 features 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_5.6.0_Build0478.exe` is the legacy application.
- `FortiConverterSetup_5.6.0_Build0478.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 5.6.0 new application supports the Cisco ASA, PIX and FWSM, Check Point, Juniper SRX, SSG and MX, Sophos, Vyatta conversions, FortiGate migration and Snort IPS conversion. Use release 5.6.0 of the legacy application for all other supported conversions.

For all 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.



If you do not renew your license after it expires, 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, visit <https://docs.fortinet.com/product/forticonverter/>.

What's new

This release contains the following new features and enhancements:

- **CSV format files accepted** — FortiConverter can accept CSV format files for firewall rules and nat rules, target for Check Point version R80.10 and successor.
- **Reinstated FortiGate migration** — FortiGate migration has been added back to the new application, this feature supports migration to FortiOS 6.0.
- **Two new vendors supported** — Sophos and Vyatta firewall conversion is supported by the new application.
- **Snort IPS signature conversion enhancement** — The conversion engine has been updated to support the latest FortiGate IPS signature convention, and migrate the feature from the legacy tool to the new application.
- **Multiple tuning enhancements:**
 - Support renaming firewall objects.
 - Detect object names that exceed character limits and provide an auto-fix option by trim excess characters from the tail.
 - Add a delete confirmation if an object is referenced by other object(s).
 - Support to add back “unreferenced” objects to the conversion outputs.
 - Support configuration comparisons between 3rd party vendors (Cisco, Juniper and Check Point) and FortiGate.
 - Enable multi-vdom from the tuning page, support moving objects among VDOMs.

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

There are no special upgrade requirements for the legacy and new FortiConverter application; you can overwrite existing installations with a different version.

For additional support, contact fconvert_feedback@fortinet.com.

Supported versions and conversions

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

Vendor	Models	Versions	Convertible objects
Alcatel-Lucent	Brick	ALSMS v9.x	<ul style="list-style-type: none"> Addresses & Address Books Interfaces (physical, logical, loopback, PPPoE) Partitions Services & Service Books Static routes Zone rule set
Check Point	SmartCenter	NG FP1 (4.0) to NGX R80	<ul style="list-style-type: none"> Addresses & Address Groups Interfaces Local Users & Groups NAT Negate Cell Policies (rulebases.fws)
	Provider-1	NGX R65 to R80	<ul style="list-style-type: none"> RADIUS, TACACS+, & LDAP Rules Schedules Services & Service Groups Static routes VPN (IPSec)

Vendor	Models	Versions	Convertible objects	
Cisco	PIX	5.x/6.x/7.x/8.x	ACLs Addresses & Address Groups	
	ASA	7.x/8.x/9.x	DHCP Servers DNS Servers	
	FWSM	3.x/4.x	Interfaces IP Pools	
	IOS		10.x to 12.x	Local Users & Groups
			15.x	NAT
	IOS XR	4.x, 5.x, 6.x	Addresses & Address Groups & FQDNs	
	Nexus	5.2, 6.x, 7.x	Interfaces IP Pools	
FortiGate	FortiOS	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 <code>"diag debug config-error-log read"</code>. 	

Vendor	Models	Versions	Convertible objects
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

Vendor	Models	Versions	Convertible objects
	SRX	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	Junos OS 10.x to 12.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes

Vendor	Models	Versions	Convertible objects
McAfee	Sidewinder	7.x, 8.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes
	Stonesoft	5.7	Addresses & Address Groups Interfaces Policies Services & Service Groups Static Routes
Palo Alto Networks	PA	PAN-OS 1.x to 8.x	Addresses & Address Groups & FQDNs Interfaces Local Users & Groups NAT Policies Schedules Static Routes Services & Service Groups Groups Zones

Vendor	Models	Versions	Convertible objects
SonicWall	TZ 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)
	NSA Series		
Sophos	XG Series	SFOS 17.0	Interface Zone Address Address group Service Service group User User group Policy
	Cyberoam	Cyberoam OS 10.6	
Tipping Point	IPS	4.5	Addresses & Address Groups Policies Services & Service Groups

Vendor	Models	Versions	Convertible objects
Vyatta	VyOS	5.2 to 6.7	Interface Zone Address group Service group Policy Route

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, email FortiConverter support at fconvert_feedback@fortinet.com.

Bug ID	Description
434032	DLL Hijacking defense.
435334	Support interface auto calculation for Cisco ASA global ACL conversion.
492623	Stonesoft Conversion does not recognize multiple firewalls.
498713	Various small Check Point / IPSEC bugs.
502036	NAT merge failed in Cisco ASA.
506224	Cisco Conversion incorrectly applying NAT's.
509111	IPv6 FortiConverter for Cisco ASA support.
509794	Support Cisco Outbound ACL - and Global ACL src/dst interface resolution.
512000	Cisco dynamic NAT is not converted.
512561	Support IPSEC VPN and SSLVPN for SonicWALL conversion.
514707	Convert Cisco ASA Modular Policy Framework(MPF) configurations to FortiGate firewall policy.
514754	Cisco IPSEC VPN conversion proposals mapping issue.
514790	Cisco IPSEC VPN conversion generate a redundant tunnel interface object.
514793	Cisco IPSEC VPN tunnel-group without access-list associated conversion.
514797	Cisco IPSEC VPN phase1 and phase2 objects conversion comparison.
514836	FortiConverter 6.0 static NAT not converting "interface" keyword in central NAT mode.
514962	Cisco ASA config file produces identical extip and mappedip for VIP's in central NAT mode.
515087	NAT's are not output when the same access-list is applied to multiple interfaces in Cisco ASA.
515112	Large number of rules are disabled in Cisco ASA.
515552	FOS v6.0 Central NAT conversion issue.

Bug ID	Description
516698	Cisco ASA twice NAT unidirectional option not converted.
517056	Update Snort Conversion Script.
517108	Cisco ASA IPSEC VPN objects conversion with many trim warnings.
517265	Tuning page enhancement - support zone for policy srcintf and dstintf.
518073	Missing Firewall VIPs after conversion.
518097	ASA static NAT merge issues.
521587	DHCP enabled settings in interfaces in Cisco ASA is not converted.
522137	Convert VPN rules from Checkpoint rule base instead of generating VPN policy through FCON automatically.
523866	Objects cannot be renamed in tuning page.
525279	Copy Check Point rule name property to the FGT rule name.
528087	ScreenOS VPN proposals were not converted properly.
528110	ScreenOS address name and VIP duplicate in some cases.
528157	Check Point Policy UUID included in converted comment field.
528546	SonicWall: missing objects.
529602	SonicWall: small conversion bugs.
533263	ASA 5.6.0 bugs.
534260	Check Point conversion fails in NAT merge.
534990	Juniper SSG VIP conversion with multiple VIP doesn't work.
535598	"set group-type" is blank in the users file from the converted output files.

Known issues

Every known bug isn't included in this list. For questions about a particular bug, email FortiConverter support at fconvert_feedback@fortinet.com.

Bug ID	Description
413726	Linux IP Table to FGT firewall policy conversion support.
435354	Cisco ASA IPSEC VPN ACL conversion bug.
511811	Support conversion of Checkpoint identity aware policies to FortiGate.
515606	An ability to list out unused objects from third party settings.
532446	Interfaces referenced by other objects should not be deleted by users.
536004	ASA Dynamic ACL feature request.



High Performance Network Security



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