

# FortiConverter - Release Notes

Version 5.6.1

# TABLE OF CONTENTS

<b>Introduction</b> .....	<b>3</b>
<b>What's new</b> .....	<b>4</b>
<b>System requirements</b> .....	<b>5</b>
<b>Upgrading</b> .....	<b>6</b>
<b>Supported versions and conversions</b> .....	<b>7</b>
<b>Resolved issues</b> .....	<b>11</b>
<b>Known issues</b> .....	<b>13</b>

# Introduction

This document provides installation instructions and caveats, resolved issues, and known issues for FortiConverter 5.6.1, build 0501.

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 5.6.1 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__5.6.1_0501.exe` is the legacy application.
- `FortiConverterSetup__5.6.1_0501.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 5.6.1 new application supports the Cisco ASA, PIX and FWSM, Check Point, Juniper SRX, SSG and MX, Sophos, Vyatta, SonicWall, Palo Alto conversions, FortiGate migration and Snort IPS conversion.** Use release 5.6.1 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 3<sup>rd</sup> 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:

- **SonicWall** and **Palo Alto** conversions to the new tool have been migrated to the new application.
- Support FortiGate's Restful API for configuration push of converted configurations.  
(Feature only available for 3<sup>rd</sup> party vendors' configurations 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](mailto: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](mailto: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
<b>Alcatel-Lucent</b>	Brick	Legacy Application	ALSMS v9.x	Addresses & Address Books Interfaces(physical, logical, loopback, PPPoE) Partitions Services & Service Books Static routes Zone rule set
<b>Check Point</b>	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)
<b>Cisco</b>	PIX	New Application	5.x/6.x/7.x/8.x	ACLs
	ASA	New Application	7.x/8.x/9.x	Addresses & Address Groups DHCP Servers
	FWSM	New Application	3.x/4.x	DNS Servers Interfaces
	IOS	Legacy Application	10.x to 12.x 15.x	IP Pools Local Users & Groups NAT
	IOS XR	Legacy Application	4.x, 5.x, 6.x	Addresses & Address Groups & FQDNs Interfaces IP Pools

<b>FortiGate</b>	Nexus	Legacy Application	5.2, 6.x, 7.x	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"> <li>Older features might be deprecated and may not be fully converted over.</li> <li>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".</li> </ul>
<b>Juniper</b>	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
<b>McAfee</b>	Sidewinder	Legacy Application	7.x, 8.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes
	Stonesoft	Legacy Application	5.7	Addresses & Address Groups Interfaces Policies Services & Service Groups Static Routes
<b>Palo Alto Networks</b>	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
<b>SonicWall</b>	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)
<b>Sophos</b>	XG Series	New Application	SFOS 17.0	Interface Zone Address Address group
	Cyberoam		Cyberoam OS 10.6	Service Service group User User group Policy
<b>Tipping Point</b>	IPS	Legacy Application	4.5	Addresses & Address Groups Policies Services & Service Groups
<b>Vytta</b>	VyOS	New Application	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, please email support at [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).

Bug ID	Description
55610	Cisco IPv6 problems
553882	Check Point conversion: set global-label command exceed 63 characters limitation
551230	Check Point conversion: hanged with a special objects_5_0.C file
538656	Request for enhancement: adding srcintf-filter on VIPs
537817	Juniper SRX: nat conversion failure
550950	FortiConverter shutdown when attempting to parse PAN config
553527	Overlength objects on tuning page, displays duplicate objects in respective pages
553535	Cisco Conversion: System dhcp server, start-ip uses firewall address
551925	Cisco ASA conversion: Did not recognize outside interface alias
537472	SonicWall converted router policy generates dstaddr incorrectly
550918	Cisco ASA Conversion: set protocol command is incomplete under firewall service custom settings
549013	Requesting enhancement for interface mapping for Sophos conversion
541440	Cisco conversion: Phase2 name under vpn ipsec forticlient settings is blank
537477	SonicWall: The converter tool cannot extract vpn tunnel interface from the config
537439	SonicWall: Incorrect mapping of extintf in firewall vip
551889	Sophos conversion: Policy action is incorrectly set
550677	Sophos conversion: Firewall address name and Service Custom contains XSS vulnerable characters
550946	Sophos conversion: Firewall Addresses undefined for few Countries
552199	SonicWall conversion: System zone name contains XSS vulnerability characters
540236	SonicWall conversion: VPN ipsec phase1-interface settings fail to set interface as a zone
550668	Sophos conversion: Improper interface name mapping
550682	Sophos conversion: set protocol command is incomplete under firewall service custom settings
551510	Cisco conversion: Name string too long for config user ldap
549022	Sophos conversion: Firewall Addresses fail because of wildcard-fqdn type
537436	Incorrect mapping of dstintf in firewall policies

550334	Remove conversion option Copy NAT merge policies to a separate text file from the start page
546715	Unreferenced serv/servgrp and schedule objects didn't be discarded.
551344	Enhancement for PAN Panorama to FortiManager Conversion
537433	Check Point to FOS v6.0 central nat conversion issues
550930	Cisco ASA: Static NAT's mapped-ip range must have same size of ext-ip
538655	Detection of VIP chaining enhancement
550937	Cisco ASA - Output did not set user-groups when it was required in ipsec vpn phase1-interface
553549	Cisco conversion: VPN SSL settings fails because user group is missing in object definition
537475	SonicWall: Referenced firewall address are getting dropped
541641	Cisco ASA: Support for DHCP and DHCP relay settings
552190	SonicWall: ICMP type and codes are out of range

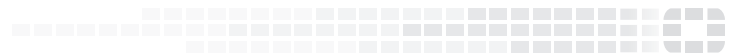
## Known issues

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](mailto:fconvert_feedback@fortinet.com).

Bug ID	Description
551895	Sophos: MACHost object from Sophos is wrongly referenced as a firewall address/addrgrp
552201	SonicWall: Interfaces under zones cannot be used to set under different settings
552204	SonicWall: Suggestion to add an option to remove Zones for the conversion
536004	ASA Dynamic ACL feature request
518073	Missing Firewall Vips after conversion
435354	Cisco ASA IPSEC VPN ACL conversion bug



**FORTINET**<sup>®</sup>



Copyright© 2019 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.