

FortiConverter - Release Notes

Version 7.4.1

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Introduction

This document provides installation instructions and requirements, resolved issues, and known issues for FortiConverter 7.4.1, build 0882.

FortiConverter provides a solution for the conversion of numerous firewall configurations into a FortiOS-compatible format. It currently supports the conversions below:

| | | | |
|-------------------------|-----------|--------------|--------------------|
| Alcatel-Lucent Brick | Bluecoat | Check Point | Cisco |
| Forcepoint | FortiGate | Huawei | IBM |
| Ivanti | Juniper | Open Systems | Palo Alto Networks |
| pfSense | Snort | SonicWall | Sophos |
| Trend Micro | Vyatta | WatchGuard | Zscaler |
| Cipafilter | Barracuda | Zyxel | |

FortiConverter also supports the conversion of load balancers into FortiADC configurations. It currently supports the conversions below:

| | | |
|----|-----------|---------|
| F5 | NetScaler | Radware |
|----|-----------|---------|

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:

- Added support for hybrid application mapping (FortiGuard/Internet Service) for PaloAlto.
- Added initial support for Barracuda firewall configuration conversion
- Added support for internet service mapping for Zscaler
- Added support for URL category for Zscaler
- Added beta support for Cipafilter
- Added beta support for Zyxel
- Improved DB migration process
- Improved report generation performance with large conversions

System requirements

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

- Microsoft Windows 11
- Microsoft Windows 10
- Microsoft Windows 8
- Microsoft Windows Server 2022
- 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.

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

FortiGate Conversions

| 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 |
| Barracuda | Web Application Firewall | 8.x 9.x | <ul style="list-style-type: none"> Addresses & Address Groups Policies NAT Service & Service Groups |
| 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 | NGX R65 onward | <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 |

| Vendor | Models | Versions | Convertible Objects |
|-------------|------------|-------------|---|
| | | | <ul style="list-style-type: none">• Services & Service Groups• Static Routes• Traditional IPsec site-to-site VPN (Support only before R80.10)• Simplified IPsec site-to-site VPN |
| | VSX | | |
| | Provider-1 | | |
| CIPA | Cipafilter | 11.x onward | <ul style="list-style-type: none">• Addresses & Address Groups• Interfaces• NAT• Policies• Services & Service Groups• Static Routes |

| Vendor | Models | Versions | Convertible Objects |
|------------|------------|--------------|---|
| Cisco | ASA | 7.x onward | <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 onward | |
| | IOS | 10.x to 12.x | |
| | | 15.x | |
| | PIX | 5.x onward | |
| | FTD (LINA) | 6.x onward | |
| | 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 |
| Meraki | | | N/A |
| Forcepoint | Sidewinder | 7.x onward | <ul style="list-style-type: none"> • Addresses & Address Groups & FQDNs • Interfaces • IP Pools • Policies • Services & Service Groups • Static Routes |

| Vendor | Models | Versions | Convertible Objects |
|------------------|------------|------------------|--|
| | | | <ul style="list-style-type: none"> NAT (Policy NAT only) |
| | Stonesoft | 5.7 onward | <ul style="list-style-type: none"> Addresses & Address Groups Interfaces Policies/ Sub-policy Alias Services & Service Groups Static Routes NAT |
| FortiGate | FortiOS | FOS5.2 and above | <p>FortiGate configuration can be converted based on the version of the target FortiGate device. 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 configuration, any CLI commands that have 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 | | <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 |
| Ivanti | | N/A | <ul style="list-style-type: none"> Addresses Services |

| Vendor | Models | Versions | Convertible Objects |
|--------------|---------|---------------------------|---|
| | | | <ul style="list-style-type: none"> User groups Policies |
| 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 | JunOS 10.x onward | <ul style="list-style-type: none"> 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 (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 |
| Open Systems | | | <ul style="list-style-type: none"> Addresses & Address Groups |

| Vendor | Models | Versions | Convertible Objects |
|---------------------------|----------------------|----------------------|--|
| | | | <ul style="list-style-type: none"> Services & Service Groups |
| Palo Alto Networks | PAN OS | PAN-OS 1.x onward | <ul style="list-style-type: none"> Addresses & Address Groups & FQDNs Interfaces Local Users & Groups NAT Policies Schedules Static Routes Services & Service Groups Zones VPN (GlobalProtect VPN not supported) Panorama |
| pfSense | | 15+ | <ul style="list-style-type: none"> Addresses & Address Groups Interfaces NAT (Central NAT only) Policies Services & Service Groups Static routes |
| Snort | | | IPS rules |
| SonicWall | TZ Series NSA Series | SonicOS 4.x onward | <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 Service & Service Groups Users & User Groups |

| Vendor | Models | Versions | Convertible Objects |
|--------------------|------------------------------|---------------------------|--|
| | | | <ul style="list-style-type: none"> • 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 onward | |
| Trend Micro | IPS | 4.5 | <ul style="list-style-type: none"> • Addresses & Address Groups • Policies • Services & Service Groups |
| | Firewall | TOS v6.5x onward | <ul style="list-style-type: none"> • Interfaces and zones • Addresses and Address groups • Services • Policies • Static Routes • DHCP server & Relay • Application-list |
| 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 onward | <ul style="list-style-type: none"> • Interfaces • Addresses & Address Groups • Services & Service Groups • Policies • Static Routes • IPSec VPN • NAT |
| Zscaler | | N/A | <ul style="list-style-type: none"> • Addresses & Address Groups • Services |
| Zyxell | USG | 4.7.3 onward | <ul style="list-style-type: none"> • Addresses & Address Groups • Firewall Policies (IPV4 & IPV6) • Interfaces |

| Vendor | Models | Versions | Convertible Objects |
|--------|--------|----------|--|
| | | | <ul style="list-style-type: none"> • IP Pools • NAT (Central NAT) • Services & Service Groups • Static Routes • VPN IPSEC Phase1 & Phase2 • VPN SSL • User & User Groups • Zones |

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.

FortiADC conversions (Beta feature)

| Vendor | Models | Versions | Convertible Objects |
|-------------------------|-------------|----------|---|
| Citrix NetScaler | MPX/SDX/VPX | NS12.1 | <ul style="list-style-type: none"> • Interface • Real servers • Pools |
| F5 | | N/A | <ul style="list-style-type: none"> • Nodes • Pools • Virtual addresses • Virtual servers • Server policies (FortiWeb only) |
| Radware | Alteon | 30.x | <ul style="list-style-type: none"> • Real servers • Server groups • Virtual servers |

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 |
|---------|--|
| 1183172 | Watchguard: Reserved IPs can be converted for dhcp server entries. |
| 1021430 | NFR: new vendor Cipafilter support |
| 1183169 | Watchguard: Netmask should be converted from interface settings for dhcp server |
| 1183163 | NFR: Watchguard: To convert HA settings |
| 1182688 | "super_admin" accprofile entry can be ignored which is already present in the device |
| 934253 | NFR: General: Build a startup wizard for greenfield devices - phase 1 |
| 1263235 | NFR Juniper SRX convert route-map, local-preference and community-list |
| 1105093 | NFR Vyatta support lacp mode |

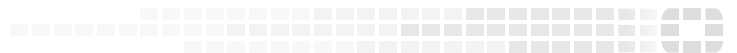
Known issues

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 |
|----------------|---|
| 1267844 | WatchGuard: Interface References Persist in Firewall Policies After Deletion from Interface Mapping |
| 1183172 | Mismatch in the report, service section. |
| 1268969 | [NFR] Support Cisco ASA route-based IPSEC VPN tunnel interface |
| 1259915 | set cve in ips sensor block should be configured with year for wildcard entries. |



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