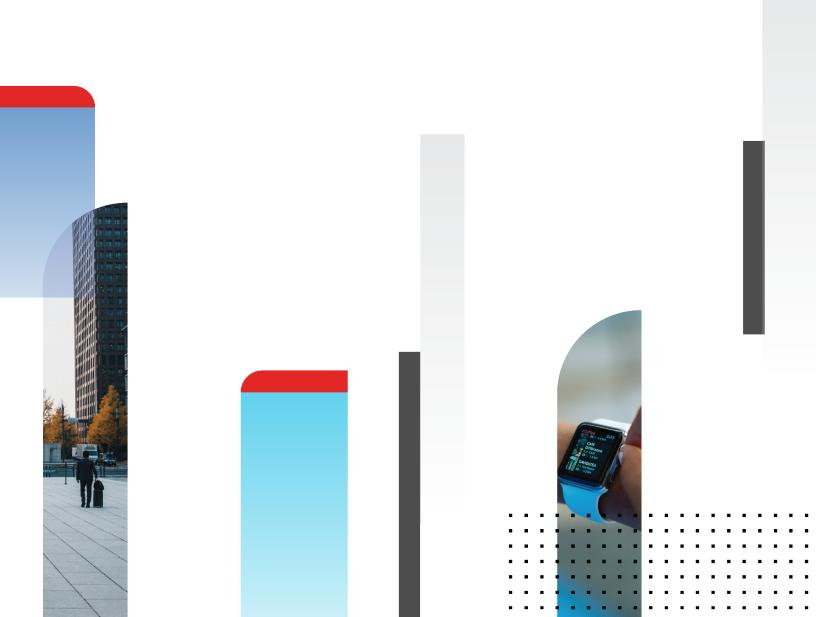


Release Notes

FortiOS 7.0.3



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March 6, 2024 FortiOS 7.0.3 Release Notes 01-703-765198-20240306

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Change Log

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2022-11-02	Updated Known issues on page 23.
2022-12-12	Updated Known issues on page 23.
2022-12-27	Updated Known issues on page 23.
2023-02-22	Updated Known issues on page 23.
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2023-05-02	Updated Known issues on page 23.
2023-05-15	Updated How VoIP profile settings determine the firewall policy inspection mode on page 14 and Known issues on page 23.
2023-06-14	Added IP pools and VIPs are not considered local addresses for certain FortiOS versions on page 9.
2023-09-06	Updated Built-in AV Engine on page 29 and Built-in IPS Engine on page 30.
2023-10-17	Updated IP pools and VIPs are not considered local addresses for certain FortiOS versions on page 9.
2024-02-13	Updated IP pools and VIPs are not considered local addresses for certain FortiOS versions on page 9.
2024-03-06	Updated Known issues on page 23.

Introduction and supported models

This guide provides release information for FortiOS 7.0.3 build 0237.

For FortiOS documentation, see the Fortinet Document Library.

Supported models

FortiOS 7.0.3 supports the following models.

FortiGate	FG-40F, FG-40F-3G4G, FG-60E, FG-60E-DSL, FG-60E-DSLJ, FG-60E-POE, FG-60F, FG-61E, FG-61F, FG-80E, FG-80E-POE, FG-80F, FG-80F-BP, FG-80F-POE, FG-81E, FG-81F, FG-81F-POE, FG-90E, FG-91E, FG-100E, FG-100EF, FG-100F, FG-101E, FG-101F, FG-140E, FG-140E-POE, FG-200E, FG-200F, FG-201E, FG-201F, FG-300E, FG-301E, FG-400E, FG-400E-BP, FG-401E, FG-500E, FG-501E, FG-600E, FG-601E, FG-800D, FG-900D, FG-1000D, FG-1100E, FG-1101E, FG-1200D, FG-1500DT, FG-200E, FG-2200E, FG-2201E, FG-2500E, FG-3000D, FG-3100D, FG-3200D, FG-3300E, FG-3301E, FG-3400E, FG-3401E, FG-3600E, FG-3601E, FG-3700D, FG-3800D, FG-3960E, FG-3980E, FG-5001E, FG-5001E1
FortiWiFi	FWF-40F, FWF-40F-3G4G, FWF-60E, FWF-60E-DSL, FWF-60E-DSLJ, FWF-60F, FWF-61E, FWF-61F, FWF-80F-2R, FWF-81F-2R, FWF-81F-2R-POE
FortiGate Rugged	FGR-60F, FGR-60F-3G4G
FortiGate VM	FG-VM64, FG-VM64-ALI, FG-VM64-AWS, FG-VM64-AZURE, FG-VM64-GCP, FG-VM64-HV, FG-VM64-IBM, FG-VM64-KVM, FG-VM64-OPC, FG-VM64-RAXONDEMAND, FG-VM64-SVM, FG-VM64-VMX, FG-VM64-XEN
Pay-as-you-go images	FOS-VM64, FOS-VM64-HV, FOS-VM64-KVM, FOS-VM64-XEN

Special notices

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- · GCP-On-Demand image on page 8
- · ALI-On-Demand image on page 8
- · Unsupported websites in SSL VPN web mode on page 9
- RDP and VNC clipboard toolbox in SSL VPN web mode on page 9
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Azure-On-Demand image

Starting from FortiOS 6.4.3, the FG-VM64-AZUREONDEMAND image is no longer provided. Both Azure PAYG and Azure BYOL models will share the same FG-VM64-AZURE image for upgrading and new deployments. Remember to back up your configuration before upgrading.

For ONDEMAND models before 6.4.2, upgrade to 6.4.2 using the FG-VM64-AZUREONDEMAND image. Then, upgrade to a later build using the FG-VM64-AZURE image.

GCP-On-Demand image

Starting from FortiOS 7.0.0, the FG-VM64-GCPONDEMAND image is no longer provided. Both GCP PAYG and GCP BYOL models will share the same FG-VM64-GCP image for upgrading and new deployments. Remember to back up your configuration before upgrading.

For PAYG models with a 6.2.x build, upgrade to the latest 6.4.x build (6.4.5 or later) using the FG-VM64-GCPONDEMAND image. Then, upgrade to 7.0.x using the FG-VM64-GCP image.

ALI-On-Demand image

Starting from FortiOS 7.0.0, the FG-VM64-ALIONDEMAND image is no longer provided. Both ALI PAYG and ALI BYOL models will share the same FG-VM64-ALI image for upgrading and new deployments. Remember to back up your configuration before upgrading.

For PAYG models with a 6.2.x build, upgrade to the latest 6.4.x build (6.4.5 or later) using the FGT-VM64-ALIONDEMAND image. Then, upgrade to 7.0.x using the FGT-VM64-ALI image.

Unsupported websites in SSL VPN web mode

The following websites are not supported in SSL VPN web mode in FortiOS 7.0.1 and later:

- Facebook
- Gmail
- Office 365
- YouTube

RDP and VNC clipboard toolbox in SSL VPN web mode

Press F8 to access the RDP/VNC clipboard toolbox. The functionality in previous versions with the clipboard toolbox in the right-hand side of the RDP/VNC page has been removed in FortiOS 7.0.1 and later.

CAPWAP offloading compatibility of FortiGate NP7 platforms

To work with FortiGate NP7 platforms running FortiOS 7.0.1 and later, current FortiAP models whose names end with letter E or F should be upgraded to the following firmware versions:

- FortiAP (F models): version 6.4.7, 7.0.1, and later
- FortiAP-S and FortiAP-W2 (E models): version 6.4.7, 7.0.1, and later
- FortiAP-U (EV and F models): version 6.2.2 and later
- FortiAP-C (FAP-C24JE): version 5.4.3 and later

The CAPWAP offloading feature of FortiGate NP7 platforms is not fully compatible with FortiAP models that cannot be upgraded (as mentioned above) or legacy FortiAP models whose names end with the letters B, C, CR, or D. To work around this issue for these FortiAP models, administrators need to disable <code>capwap-offload</code> under <code>config system npu</code> and then reboot the FortiGate.

IP pools and VIPs are not considered local addresses for certain FortiOS versions

For FortiOS 6.4.9 and later, 7.0.1 to 7.0.12, 7.2.0 to 7.2.5, and 7.4.0, all IP addresses used as IP pools and VIPs are not considered local IP addresses if responding to ARP requests on these external IP addresses is enabled (set arp-reply enable, by default). For these cases, the FortiGate is not considered a destination for those IP addresses and cannot receive reply traffic at the application layer without special handling.

- This behavior affects FortiOS features in the application layer that use an IP pool as its source IP pool, including SSL VPN web mode, explicit web proxy, and the phase 1 local gateway in an interface mode IPsec VPN.
- The FortiGate will not receive reply traffic at the application layer, and the corresponding FortiOS feature will not work as desired.
- Configuring an IP pool as the source NAT IP address in a regular firewall policy works as before.

For details on the history of the behavior changes for IP pools and VIPs, and for issues and their workarounds for the affected FortiOS versions, see Technical Tip: IP pool and virtual IP behavior changes in FortiOS 6.4, 7.0, 7.2, and 7.4.

FEC feature design change

The FEC feature design has the following changes starting in FortiOS 7.0.2:

- FEC enabled on FortiGates running 7.0.2 is not backward compatible with FEC enabled on FortiGates running previous versions.
- In addition to enabling FEC on IPsec interfaces in previous versions, there is a new option, fec, that should also be enabled under the related firewall policy so the feature works:

```
config firewall policy
   edit <id>
      set fec enable
   next
end
```

• The fec option is not automatically enabled in a firewall policy when upgrading from a previous version. It must be enabled manually.

Upgrade information

Supported upgrade path information is available on the Fortinet Customer Service & Support site.

To view supported upgrade path information:

- 1. Go to https://support.fortinet.com.
- 2. From the Download menu, select Firmware Images.
- 3. Check that Select Product is FortiGate.
- **4.** Click the *Upgrade Path* tab and select the following:
 - Current Product
 - Current FortiOS Version
 - Upgrade To FortiOS Version
- 5. Click Go.

Fortinet Security Fabric upgrade

FortiOS 7.0.3 greatly increases the interoperability between other Fortinet products. This includes:

FortiAnalyzer	• 7.0.2
FortiManager	• 7.0.2
FortiExtender	 4.0.0 and later. For compatibility with latest features, use latest 7.0 version.
FortiSwitch OS (FortiLink support)	6.4.6 build 0470 or later
FortiAP-S FortiAP-U FortiAP-W2	See Strong cryptographic cipher requirements for FortiAP on page 13
FortiClient [*] EMS	 7.0.0 build 0042 or later
FortiClient [*] Microsoft Windows	• 7.0.0 build 0029 or later
FortiClient [*] Mac OS X	 7.0.0 build 0022 or later
FortiClient [*] Linux	• 7.0.0 build 0018 or later
FortiClient [*] iOS	6.4.6 build 0507 or later
FortiClient [*] Android	6.4.6 build 0539 or later
FortiSandbox	• 2.3.3 and later

When upgrading your Security Fabric, devices that manage other devices should be upgraded first. Upgrade the firmware of each device in the following order. This maintains network connectivity without the need to use manual steps.

- 1. FortiAnalyzer
- 2. FortiManager
- 3. Managed FortiExtender devices
- 4. FortiGate devices
- 5. Managed FortiSwitch devices
- 6. Managed FortiAP devices
- 7. FortiClient EMS
- 8. FortiClient
- 9. FortiSandbox
- 10. FortiMail
- 11. FortiWeb
- 12. FortiADC
- 13. FortiDDOS
- 14. FortiWLC
- 15. FortiNAC
- 16. FortiVoice
- 17. FortiDeceptor
- 18. FortiAl
- 19. FortiTester
- 20. FortiMonitor



If Security Fabric is enabled, then all FortiGate devices must be upgraded to 7.0.3. When Security Fabric is enabled in FortiOS 7.0.3, all FortiGate devices must be running FortiOS 7.0.3.

Downgrading to previous firmware versions

Downgrading to previous firmware versions results in configuration loss on all models. Only the following settings are retained:

- · operation mode
- interface IP/management IP
- · static route table
- · DNS settings
- · admin user account
- · session helpers
- · system access profiles

^{*} If you are using FortiClient only for IPsec VPN or SSL VPN, FortiClient version 6.0 and later are supported.

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, https://support.fortinet.com. After logging in, go to Support > Firmware Image Checksums (in the Downloads section), enter the image file name including the extension, and click Get Checksum Code.

IPsec interface MTU value

IPsec interfaces may calculate a different MTU value after upgrading from 6.4.

This change might cause an OSPF neighbor to not be established after upgrading. The workaround is to set mtuignore to enable on the OSPF interface's configuration:

```
config router ospf
    config ospf-interface
    edit "ipsce-vpnx"
        set mtu-ignore enable
    next
    end
end
```

HA role wording changes

The term master has changed to primary, and slave has changed to secondary. This change applies to all HA-related CLI commands and output. The one exception is any output related to VRRP, which remains unchanged.

Strong cryptographic cipher requirements for FortiAP

FortiOS 7.0.0 has removed 3DES and SHA1 from the list of strong cryptographic ciphers. To satisfy the cipher requirement, current FortiAP models whose names end with letter E or F should be upgraded to the following firmware versions:

- FortiAP (F models): version 6.4.3 and later
- FortiAP-S and FortiAP-W2 (E models): version 6.2.4, 6.4.1, and later
- FortiAP-U (EV and F models): version 6.0.3 and later
- FortiAP-C (FAP-C24JE): version 5.4.3 and later

If FortiGates running FortiOS 7.0.1 and later need to manage FortiAP models that cannot be upgraded or legacy FortiAP models whose names end with the letters B, C, CR, or D, administrators can allow those FortiAPs' connections with weak cipher encryption by using compatibility mode:

```
config wireless-controller global
   set tunnel-mode compatible
end
```

How VoIP profile settings determine the firewall policy inspection mode

When upgrading, all firewall policies with a VoIP profile selected will be converted to proxy-based inspection. All firewall policies that do not have a VoIP profile selected will remain in the same inspection mode after upgrading.

In the case when customers are using the following settings in 6.4:

```
config system settings
    set default-voip-alg-mode proxy-based
end

config firewall policy
    edit 0
        set inspection-mode flow
        unset voip-profile
    next
end
```

In 6.4, by default, SIP traffic is handled by proxy-based SIP ALG even though no VoIP profile is specified in a firewall policy.

After upgrading, the firewall policy will remain in inspection-mode flow but handled is by flow-based SIP inspection.

Due to the difference in which the SIP traffic is handled by flow-based SIP versus proxy-based SIP ALG inspection in 7.0.0 and later, if customers want to maintain the same behavior after upgrading, they can manually change the firewall policy's inspection-mode to proxy:

```
config firewall policy
   edit 0
      set inspection-mode proxy
      unset voip-profile
   next
end
```

Or prior to upgrading, they can assign a <code>voip-profile</code> to the firewall policies that are processing SIP traffic to force the conversion to <code>inspection-mode proxy</code> after upgrading.

L2TP over IPsec configuration needs to be manually updated after upgrading from 6.4.x or 7.0.0 to 7.0.1 and later

If the setting is not manually updated after upgrading, the VPN connection will be established, but it will not be accessible from the internal network (office network). This setting change is necessary regardless of whether route-based or policy-based IPsec is used.

To make L2TP over IPsec work after upgrading:

1. Add a static route for the IP range configured in <code>vpn l2tp</code>. For example, if the L2TP setting in the previous version's root VDOM is:

end

```
config vpn l2tp
    set eip 210.0.0.254
    set sip 210.0.0.1
    set status enable
    set usrgrp "L2tpusergroup"
end

Add a static route after upgrading:
config router static
    edit 1
        set dst 210.0.0.0 255.255.255.0
        set device "l2t.root"
    next
```

2. Change the firewall policy source interface tunnel name to 12t.VDOM.

Add interface for NAT46 and NAT64 to simplify policy and routing configurations

This update simplifies the policy and routing of NAT46 and NAT64 policies by adding the NAT tunnel interface and options in firewall vip/vip6 and firewall policy settings. The policy46 and policy64 settings have been merged into policy, and vip46 and vip64 into vip and vip6. Most firewall policy options can now be used in policies with NAT46 and NAT64 options enabled.

Upgrading

When upgrading from FortiOS 6.4.x or 7.0.0 to 7.0.1 and later, the old configurations for vip46, vip64, policy46, policy64, nat64, and gui-nat46-64 will be removed. All objects in them will be removed.

The following CLI commands have been removed:

```
config firewall vip46
config firewall vip64
config firewall policy46
config firewall policy64
config system nat64
set gui-nat46-64 {enable | disable} (under config system settings)
```

The following GUI pages have been removed:

- Policy & Objects > NAT46 Policy
- Policy & Objects > NAT64 Policy
- NAT46 and NAT64 VIP category options on Policy & Objects > Virtual IPs related pages

During the upgrade process after the FortiGate reboots, the following message is displayed:



The config file may contain errors, Please see details by the command 'diagnose debug config-error-log read'

The following output is displayed after running the diagnose command:

```
# diagnose debug config-error-log read
>>> "config" "firewall" "policy64" @ root:command parse error (error -
61)
>>> "config" "firewall" "policy46" @ root:command parse error (error -
61)
```

Creating new policies

After upgrading FortiOS 6.4.x or 7.0.0 to 7.0.1 and later, you will need to manually create new vip46 and vip64 policies.

- Create a vip46 from config firewall vip and enable the nat46 option.
- Create a vip64 from config firewall vip6 and enable the nat64 option.
- Create or modify ippool and ippool6, and enable the nat64 or nat46 option.
- Create a policy and enable the nat46 option, apply the vip46 and ippool6 in a policy.
- Create a policy and enable the nat 64 option, apply the vip64 and ippool in policy.
- Ensure the routing on the client and server matches the new vip/vip6 and ippool/ippool6.

Example configurations

vip46 object:

Old configuration	New configuration
config firewall vip46	config firewall vip
edit "test-vip46-1"	edit "test-vip46-1"
set extip 10.1.100.155	set extip 10.1.100.150
set mappedip 2000:172:16:200::55	set nat44 disable
next	set nat46 enable
end	set extintf "port24"
	set ipv6-mappedip
	2000:172:16:200::55
	next
	end

ippool6 object:

Old configuration	New configuration
<pre>config firewall ippool6 edit "test-ippool6-1"</pre>	config firewall ippool6 edit "test-ippool6-1"

Old configuration	New configuration
set startip 2000:172:16:201::155 set endip 2000:172:16:201::155	set startip 2000:172:16:201::155 set endip 2000:172:16:201::155
next	set nat46 enable
end	next
	end

NAT46 policy:

Old configuration	New configuration
config firewall policy46	config firewall policy
edit 1	edit 2
set srcintf "port24"	set srcintf "port24"
set dstintf "port17"	set dstintf "port17"
set srcaddr "all"	set action accept
set dstaddr "test-vip46-1"	set nat46 enable
set action accept	set srcaddr "all"
set schedule "always"	set dstaddr "test-vip46-1"
set service "ALL"	set srcaddr6 "all"
set logtraffic enable	set dstaddr6 "all"
set ippool enable	set schedule "always"
set poolname "test-ippool6-1"	set service "ALL"
next	set logtraffic all
end	set ippool enable
	set poolname6 "test-ippool6-1"
	next
	end

vip64 object

Old configuration	New configuration
config firewall vip64	config firewall vip6
edit "test-vip64-1"	edit "test-vip64-1"
set extip 2000:10:1:100::155	set extip 2000:10:1:100::155
set mappedip 172.16.200.155	set nat66 disable
next	set nat64 enable
end	set ipv4-mappedip 172.16.200.155
	next
	end

ippool object

Old configuration	New configuration
config firewall ippool	config firewall ippool
edit "test-ippool4-1"	edit "test-ippool4-1"
set startip 172.16.201.155	set startip 172.16.201.155
set endip 172.16.201.155	set endip 172.16.201.155

Old configuration	New configuration
next	set nat64 enable
end	next
	end

NAT64 policy:

Old configuration	New configuration
config firewall policy64	config firewall policy
edit 1	edit 1
set srcintf "wan2"	set srcintf "port24"
set dstintf "wan1"	set dstintf "port17"
set srcaddr "all"	set action accept
set dstaddr "test-vip64-1"	set nat64 enable
set action accept	set srcaddr "all"
set schedule "always"	set dstaddr "all"
set service "ALL"	set srcaddr6 "all"
set ippool enable	set dstaddr6 "test-vip64-1"
set poolname "test-ippool4-1"	set schedule "always"
next	set service "ALL"
end	set logtraffic all
	set ippool enable
	set poolname "test-ippool4-1"
	next
	end

ZTNA configurations and firewall policies

Since FortiOS 7.0.2, ZTNA configurations no longer require a firewall policy to forward traffic to the access proxy VIP. This is implicitly generated based on the ZTNA rule configuration.

When upgrading from FortiOS 7.0.1 or below:

- If an access-proxy type proxy-policy does not have a srcintf, then after upgrading it will be set to any.
- To display the srcintf as any in the GUI, System > Feature Visibility should have Multiple Interface Policies enabled.
- All full ZTNA firewall policies will be automatically removed.

Product integration and support

The following table lists FortiOS 7.0.3 product integration and support information:

Web browsers	 Microsoft Edge 94 Mozilla Firefox version 93 Google Chrome version 94 Other web browsers may function correctly, but are not supported by Fortinet.
Explicit web proxy browser	 Microsoft Edge 44 Mozilla Firefox version 74 Google Chrome version 80 Other web browsers may function correctly, but are not supported by Fortinet.
FortiController	5.2.5 and later Supported models: FCTL-5103B, FCTL-5903C, FCTL-5913C
Fortinet Single Sign-On (FSSO)	 5.0 build 0302 and later (needed for FSSO agent support OU in group filters) Windows Server 2019 Standard Windows Server 2019 Datacenter Windows Server 2016 Core Windows Server 2016 Standard Windows Server 2016 Core Windows Server 2012 Standard Windows Server 2012 R2 Standard Windows Server 2012 Core Windows Server 2018 Core Windows Server 2008 64-bit (requires Microsoft SHA2 support package) Windows Server 2008 R2 64-bit (requires Microsoft SHA2 support package) Windows Server 2008 Core (requires Microsoft SHA2 support package) Novell eDirectory 8.8
AV Engine	• 6.00266
IPS Engine	• 7.00043

Virtualization environments

The following table lists hypervisors and recommended versions.

Hypervisor	Recommended versions
Citrix Hypervisor	8.1 Express Edition, Dec 17, 2019
Linux KVM	 Ubuntu 18.0.4 LTS Red Hat Enterprise Linux release 8.4 SUSE Linux Enterprise Server 12 SP3 release 12.3
Microsoft Windows Server	2012R2 with Hyper-V role
Windows Hyper-V Server	• 2019
Open source XenServer	Version 3.4.3Version 4.1 and later
VMware ESX	Versions 4.0 and 4.1
VMware ESXi	• Versions 4.0, 4.1, 5.0, 5.1, 5.5, 6.0, 6.5, 6.7, and 7.0.

Language support

The following table lists language support information.

Language support

Language	GUI	
English	✓	
Chinese (Simplified)	✓	
Chinese (Traditional)	✓	
French	✓	
Japanese	✓	
Korean	✓	
Portuguese (Brazil)	✓	
Spanish	✓	

SSL VPN support

SSL VPN web mode

The following table lists the operating systems and web browsers supported by SSL VPN web mode.

Supported operating systems and web browsers

Operating System	Web Browser
Microsoft Windows 7 SP1 (32-bit & 64-bit)	Mozilla Firefox version 89 Google Chrome version 91
Microsoft Windows 10 (64-bit)	Microsoft Edge Mozilla Firefox version 94 Google Chrome version 96
Ubuntu 20.04 (64-bit)	Mozilla Firefox version 94 Google Chrome version 96
macOS Big Sur 11.2	Apple Safari version 14 Mozilla Firefox version 92 Google Chrome version 93
macOS Monterey 12.0	Apple Safari version 15 Mozilla Firefox version 94 Google Chrome version 96
iOS	Apple Safari Mozilla Firefox Google Chrome
Android	Mozilla Firefox Google Chrome

Other operating systems and web browsers may function correctly, but are not supported by Fortinet.

Resolved issues

The following issues have been fixed in version 7.0.3. To inquire about a particular bug, please contact Customer Service & Support.

Security Fabric

Bug ID	Description
753358	Unable to trigger automation trigger with FortiDeceptor Fabric event.

Common Vulnerabilities and Exposures

Visit https://fortiguard.com/psirt for more information.

Bug ID	CVE references
752134	FortiOS 7.0.3 is no longer vulnerable to the following CVE Reference: • CVE-2021-42757

Known issues

The following issues have been identified in version 7.0.3. To inquire about a particular bug or report a bug, please contact Customer Service & Support.

Application Control

Bug ID	Description
752569	Per IP shaper under application list does not work as expected for some applications.

Endpoint Control

Bug ID	Description
730767	The new HA primary FortiGate cannot get EMS Cloud information when HA switches over.
	Workaround: delete the EMS Cloud entry then add it back.

GUI

Bug ID	Description
440197	On the <i>System > FortiGuard</i> page, the override FortiGuard server for <i>AntiVirus & IPS Updates</i> shows an <i>Unknown</i> status, even if the server is working correctly. This is a display issue only; the override feature is working properly.
677806	On the <i>Network > Interfaces</i> page when VDOM mode is enabled, the <i>Global</i> view incorrectly shows the status of IPsec tunnel interfaces from non-management VDOMs as up. The VDOM view shows the correct status.
685431	On the <i>Policy & Objects > Firewall Policy</i> page, the policy list can take around 30 seconds or more to load when there is a large number (over 20 thousand) of policies. Workaround: use the CLI to configure policies.
707589	System > Certificates list sometimes shows an incorrect reference count for a certificate, and incorrectly allows a user to delete a referenced certificate. The deletion will fail even though a success message is shown. Users should be able to delete the certificate after all references are removed.

Bug ID	Description
708005	When using the SSL VPN web portal in the Firefox, users cannot paste text into the SSH terminal emulator. Workaround: use Chrome, Edge, or Safari as the browser.
713529	When a FortiGate is managed by FortiManager with FortiWLM configured, the HTTPS daemon may crash while processing some FortiWLM API requests. There is no apparent impact on the GUI operation.
735248	On a mobile phone, the WiFi captive portal may take longer to load when the default firewall authentication login template is used and the user authentication type is set to HTTP. Workaround: edit the login template to disable HTTP authentication or remove the href link to googleapis.
738027	The <i>Device Inventory</i> widget shows <i>no results</i> when there are two <i>user_info</i> parameters. Workaround: use the CLI to retrieve the device list.
746953	On the Network > Interfaces page, users cannot modify the TFTP server setting. A warning with the message This option may not function correctly. It is already configured using the CLI attribute: tftp-server. appears beside the DHCP Options entry. Workaround: use the CLI.
755177	When upgrade firmware from 7.0.1 to 7.0.2, the GUI incorrectly displays a warning saying this is not a valid upgrade path.
756420	On the Security Fabric > Fabric Connectors page, the connection to FortiManager is shown as down even if the connection is up. Workaround: check the status in the CLI using diagnose fdsm central-mgmt-status.
777145	Managed FortiSwitches page incorrectly shows a warning about an unregistered FortiSwitch even though it is registered. This only impacts transferred or RMAed FortiSwitches. This is only a display issue with no impact on the FortiSwitch's operation. Workaround: confirm the FortiSwitch registration status in the FortiCare portal.

HA

Bug ID	Description
701367	In an HA environment with multiple virtual clusters, System > HA will display statistics for Uptime, Sessions, and Throughput under virtual cluster 1. These statistics are for the entire device. Statistics are not displayed for any other virtual clusters.

IPsec VPN

Bug ID	Description
740624	FortiOS 7.0 has new design for dialup VPN (no more route tree in the IPsec tunnel), so traffic might not traverse over the dialup IPsec VPN after upgrading from FortiOS 6.4.6 to 7.0.1, 7.0.2, or 7.0.3 if the server replies on the static route over the dynamic tunnel interface to route the traffic back to the client. Workaround: configure the src-subnet on the client phase 2 interface. Then, static routes will be added by IKE on the server side (add-route enable is required).
	<pre>config vpn ipsec phase2-interface edit <name> set src-subnet <x.x.x.x x=""> next end</x.x.x.x></name></pre>
761754	IPsec aggregate static route is not marked inactive if the IPsec aggregate is down.
767945	In a setup with IPsec VPN IKEv2 tunnel on the FortiGate to a Cisco device, the tunnel randomly disconnects after updating to 7.0.2 when there is a CMDB version change (configuration or interface).

Log & Report

Bug ID	Description
776929	When submitting files for sandbox logging in flow mode, filetype="unknown" is displayed for PDF, DOC, JS, RTF, ZIP, and RAR files.

Proxy

Bug ID	Description
727629	An error case occurs in WAD while handling the HTTP requests for an explicit proxy policy.
735893	After the Chrome 92 update, in FOS 6.2, 6.4, or 7.0 running an IPS engine older than version 5.00246, 6.00099, or 7.00034, users are unable to reach specific websites in proxy mode with UTM applied. In flow mode everything works as expected.
766158	Video filter FortiGuard category takes precedence over allowed channel ID exception in the same category.

Routing

Bug ID	Description
748733	Remote IP route shows incomplete inactive in the routing table, which causes issues with BGP routes where the peer is the next hop.
745856	The default SD-WAN route for the LTE wwan interface is not created. Workaround: add a random gateway to the wwan member.
	config system sdwan config members edit 2 set interface "wwan"
	set gateway 10.198.58.58 set priority 100
	next
	end
	end

Security Fabric

Bug ID	Description
614691	Slow GUI performance in large Fabric topology with over 50 downstream devices.
753056	Recommendation information for Failed Login Attempts security rating rule should display Lockout duration should be at least 30 minutes, instead of 1800 minutes.
755187	The security rating test for <i>Unused Policies</i> is incorrectly evaluated as <i>Pass</i> when there are unused policies with the accept action.
779181	Security rating report for <i>System Uptime</i> incorrectly fails the check for FortiAP, even though the FortiAP is up for more than 24 hours.

SSL VPN

Bug ID	Description
753515	DTLS does not work for SSL VPN and switches to TLS.
757450	SNAT is not working in SSL VPN web mode when accessing an SFTP server.

System

Bug ID	Description
644782	A large number of detected devices causes httpsd to consume resources, and causes entry-level devices to enter conserve mode.
681322	TCP 8008 permitted by authd, even though the service in the policy does not include that port.
687398	Multiple SFPs and FTLX8574D3BCL in multiple FG-1100E units have been flapping intermittently with various devices.
708228	A DNS proxy crash occurs during ssl_ctx_free.
751715	Random LTE modem disconnections due to certain carriers getting unstable due to WWAN modem USB speed under super-speed.
756713	Packet loss on the LAG interface (eight ports) using SFP+/SFP28 ports in both static and active mode. Affected models: FG-110xE, FG-220xE, and FG-330xE.
758490	The value of the extra-init parameter under config system lte-modem is not passed to the modem after rebooting the device.
763185	High CPU usage on platforms with low free memory upon IPS engine initialization.
764252	On FG-100F, no event is raised for PSU failure and the diagnostic command is not available.

User & Authentication

Bug ID	Description
750551	DST_Root_CA_X3 certificate is expired. Workaround: see the Fortinet PSIRT blog, https://www.fortinet.com/blog/psirt-blogs/fortinet-and-expiring-lets-encrypt-certificates, for more information.
754725	After updating the FSSO DC agent to version 5.0.0301, the DC agent keeps crashing on Windows 2012 R2 and 2016, which causes Isass.exe to reboot.
765184	RADIUS authentication failover between two servers for high availability does not work as expected.
778521	SCEP fails to renew if the local certificate name length is between 31 and 35 characters.

VM

Bug ID	Description
691337	When upgrading from 6.4.7 to 7.0.2, GCP SDN connector entries that have a gcp-project-list configuration will be lost.
756510	FG-ARM64-AWS kernel panic occurs (Kernel panic - not syncing: Fatal exception in interrupt).

WAN Optimization

Bug ID	Description
754378	When an AV profile is enabled in a WANOpt proxy policy on a server side FortiGate, EICAR sent over HTTPS will not get blocked.

Web Filter

Bug ID	Description
766126	Block replacement page is not pushed automatically to replace the video content when using a video filter.

Built-in AV Engine

AV Engine 6.00266 is released as the built-in AV Engine. Refer to the AV Engine Release Notes for information.

Built-in IPS Engine

IPS Engine 7.00043 is released as the built-in IPS Engine. Refer to the IPS Engine Release Notes for information.

Limitations

Citrix XenServer limitations

The following limitations apply to Citrix XenServer installations:

- XenTools installation is not supported.
- FortiGate-VM can be imported or deployed in only the following three formats:
 - XVA (recommended)
 - VHD
 - OVF
- The XVA format comes pre-configured with default configurations for VM name, virtual CPU, memory, and virtual NIC. Other formats will require manual configuration before the first power on process.

Open source XenServer limitations

When using Linux Ubuntu version 11.10, XenServer version 4.1.0, and libvir version 0.9.2, importing issues may arise when using the QCOW2 format and existing HDA issues.

