



FortiOS - Release Notes

Version 6.2.2



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|-----------------------------------|
|-----------------------------------|

Change Log

| Date | Change Description |
|------------|---|
| 2019-10-09 | Initial release. |
| 2019-10-10 | Added 551119 to Resolved Issues. Added commands to the Previous releases column in Changes in CLI defaults SSH and SSL VPN sections. |
| 2019-10-16 | Added 589234 to <i>Known Issues</i> . Added item to <i>Changes in default behavior</i> > <i>System</i> . |
| 2019-10-18 | Added 569310 to Resolved Issues. |
| 2019-10-21 | Added 535099, 572350, 586301, 586604, 588262, 588436, and 588908 to <i>Known Issues</i> . Added 546964, 550056, 560438, and 570575 to <i>Resolved Issues</i> . Deleted 570686, 576288, and 579400 from <i>Resolved Issues</i> . |
| 2019-10-25 | Added FG-1100E and FG-1101E to <i>Introduction and supported models</i> > Special branch supported models. |
| 2019-10-28 | Deleted Special notices > Common vulnerabilities and exposures. |
| 2019-10-29 | Updated Introduction and supported models > Special branch supported models. |

FortiOS Release Notes Fortinet Technologies Inc.

Introduction and supported models

This guide provides release information for FortiOS 6.2.2 build 1010.

For FortiOS documentation, see the Fortinet Document Library.

Supported models

FortiOS 6.2.2 supports the following models.

| FortiGate | FG-30E, FG-30E_3G4G_INTL, FG-30E_3G4G_NAM, FG-50E, FG-51E, FG-52E, FG-60E, FG-60E-POE, FG-61E, FG-80D, FG-80E, FG-80E-POE, FG-81E, FG-81E-POE, FG-90E, FG-92D, FG-100D, FG-100E, FG-100EF, FG-101E, FG-140D, FG-140D-POE, FG-140E, FG-140E-POE, FG-200E, FG-201E, FG-300D, FG-300E, FG-301E, FG-400D, FG-400E, FG-401E, FG-500D, FG-500E, FG-501E, FG-600D, FG-600E, FG-601E, FG-800D, FG-900D, FG-1000D, FG-1200D, FG-1500D, FG-1500DT, FG-2000E, FG-2500E, FG-3000D, FG-3100D, FG-3200D, FG-3400E, FG-3401E, FG-3600E, FG-3601E, FG-3700D, FG-3800D, FG-3810D, FG-3815D, FG-5001D, FG-3960E, FG-3980E, FG-5001E, FG-5001E1 | |
|-------------------------|--|--|
| FortiWiFi | FWF-30E, FWF-30E_3G4G_INTL, FWF-30E_3G4G_NAM, FWF-50E, FWF-50E-2R, FWF-51E, FWF-60E, FWF-61E | |
| FortiGate Rugged | e Rugged FGR-30D, FGR-35D | |
| FortiGate VM | FG-SVM, FG-VM64, FG-VM64-ALI, FG-VM64-ALIONDEMAND, FG-VM64-AWS, FG-VM64-AWSONDEMAND, FG-VM64-AZURE, FG-VM64-AZUREONDEMAND, FG-VM64-GCPONDEMAND, FG-VM64-HV, FG-VM64-KVM, FG-VM64-OPC, FG-VM64-RAXONDEMAND, FG-VMX, FG-VM64-XEN | |
| Pay-as-you-go images | FOS-VM64, FOS-VM64-KVM, FOS-VM64-XEN | |
| FortiOS Carrier | FortiOS Carrier 6.2.2 images are delivered on request and are not available on the Beta portal. | |

Special branch supported models

The following models are released on a special branch of FortiOS 6.2.2. To confirm that you are running the correct build, run the CLI command get system status and check that the Branch point field shows 1010.

| FG-60E-DSL | is released on build 6081. |
|-------------|----------------------------|
| FG-60E-DSLJ | is released on build 6081. |

| FG-60F | is released on build 6083. |
|--------------|----------------------------|
| FG-61F | is released on build 6083. |
| FG-100F | is released on build 6083. |
| FG-101F | is released on build 6083. |
| FG-1100E | is released on build 5347. |
| FG-1101E | is released on build 5347. |
| FGR-90D | is released on build 5335. |
| FWF-60E-DSL | is released on build 6081. |
| FWF-60E-DSLJ | is released on build 6081. |

Special notices

- · New Fortinet cloud services
- FortiGuard Security Rating Service
- FortiGate hardware limitation
- CAPWAP traffic offloading
- FortiClient (Mac OS X) SSL VPN requirements
- Use of dedicated management interfaces (mgmt1 and mgmt2)
- NP4lite platforms
- · Tags option removed from GUI
- · Mobile token authentication

New Fortinet cloud services

FortiOS 6.2.0 introduced several new cloud-based services listed below. The new services require updates to FortiCare and Fortinet's FortinetOne single sign-on (SSO) service. These updates will be available by mid-Q2 2019.

- Overlay Controller VPN
- · FortiGuard Cloud-Assist SD-WAN Interface Bandwidth Monitoring
- FortiManager Cloud
- FortiAnalyzer Cloud

FortiGuard Security Rating Service

Not all FortiGate models can support running the FortiGuard Security Rating Service as a Fabric "root" device. The following FortiGate platforms can run the FortiGuard Security Rating Service when added to an existing Fortinet Security Fabric managed by a supported FortiGate model:

- FGR-30D
- FGR-35D
- FGT-30E
- FGT-30E-MI
- FGT-30E-MN
- FGT-50E
- FGT-51E
- FGT-52E
- FWF-30E
- FWF-30E-MI
- FWF-30E-MN
- FWF-50E

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- FWF-50E-2R
- FWF-51E

FortiGate hardware limitation

FortiOS 5.4.0 reported an issue with the FG-92D model in the *Special Notices > FG-92D High Availability in Interface Mode* section of the release notes. Those issues, which were related to the use of port 1 through 14, include:

- PPPoE failing, HA failing to form.
- · IPv6 packets being dropped.
- · FortiSwitch devices failing to be discovered.
- Spanning tree loops may result depending on the network topology.

FG-92D does not support STP. These issues have been improved in FortiOS 5.4.1, but with some side effects with the introduction of a new command, which is enabled by default:

```
config global
  set hw-switch-ether-filter <enable | disable>
```

When the command is enabled:

- ARP (0x0806), IPv4 (0x0800), and VLAN (0x8100) packets are allowed.
- BPDUs are dropped and therefore no STP loop results.
- PPPoE packets are dropped.
- IPv6 packets are dropped.
- · FortiSwitch devices are not discovered.
- HA may fail to form depending the network topology.

When the command is disabled:

All packet types are allowed, but depending on the network topology, an STP loop may result.

CAPWAP traffic offloading

CAPWAP traffic will not offload if the ingress and egress traffic ports are on different NP6 chips. It will only offload if both ingress and egress ports belong to the same NP6 chip. The following models are affected:

- FG-900D
- FG-1000D
- FG-2000E
- FG-2500E

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FortiClient (Mac OS X) SSL VPN requirements

When using SSL VPN on Mac OS X 10.8, you must enable SSLv3 in FortiOS.

Use of dedicated management interfaces (mgmt1 and mgmt2)

For optimum stability, use management ports (*mgmt1* and *mgmt2*) for management traffic only. Do not use management ports for general user traffic.

NP4lite platforms

FortiOS 6.2 and later does not support NP4lite platforms.

Tags option removed from GUI

The Tags option is removed from the GUI. This includes the following:

- The System > Tags page is removed.
- The Tags section is removed from all pages that had a Tags section.
- The Tags column is removed from all column selections.

Mobile token authentication

Mobile token authentication does not work for SSL VPN on SOC3 platforms.

Affected models include FG-60E, FG-60E-POE, FG-61E, FG-80E, FG-80E-POE, FG-81E, FG-81E-POE, FG-100E, FG-100EF, FG-101E, FG-140E, FWF-60E, FWF-61E.

Changes in default behavior

AntiVirus

- In previous releases, the scan mode controls which features are displayed based on their compatibility with proxy and flow's [quick | full] mode (now [default | legacy]).
 - This release disregards this behavior, making antivirus profile scan-mode agnostic. This means that all AV options are displayed regardless of the AV profile's scan-mode setting. Enforcement is handled by the kernel based on the firewall policy using AV. Unsupported AV features do not take effect if inspection mode is proxy or flow.
- In this release, AntiVirus can do SSH inspection.

FOC

apn option under apn-shaper now accepts multiple apn or apngroup.

| Previous releases | 6.2.2 release |
|---|--|
| <pre>config gtp apn edit "apn1" set apn "internet" next</pre> | config gtp apn edit "apn1" set apn "internet" next |
| edit "apn2" set apn "intranet" next | edit "apn2" set apn "intranet" next |
| <pre>config gtp apngrp edit "apngrp1"</pre> | end config gtp apngrp edit "apngrp1" |
| set member "apn1" next end | set member "apn1" next end |
| config gtp apn-shaper edit 1 next end | <pre>config gtp apn-shaper edit 1 set apn "apn2" "apngrp1" <==changed next end</pre> |

FortiSwitch Controller

- FortiLink interface is on by default on FortiGate E series platform.
 - On FG-100E and higher, create an empty FortiLink aggregate interface (fortilink) by default. If aggregate interface is not supported, create a hardware switch interface instead.
 - For FortiGate models below FG-100E, create an empty FortiLink hardware switch interface (fortilink) by default. If hardware switch interface is not supported, create aggregate interface instead.
- When the FortiLink interface is enabled, CLI displays an error message when trying to change the FortiGate to TP mode.

Firewall

- Only IP and Protocol are matched and source port is ignored when ISDB is applied as source in policy.
- Internet-service-addition will overwrite default ports of internet-service ID if protocols are the same.
- Firewall policy supports wildcard-fqdn object with FQDN type.
- This release supports srcaddr/dstaddr/internet-service/internet-service-src negate in consolidated policy.
- All attributes for FABRIC_DEVICE object, except for IP address and type, can be modified from CLI but not from GUI.

Log & Report

 In previous releases, FortiGate only sends event log to FAZ-Cloud. In this release, FortiGate sends both event log and UTM log to FAZ-Cloud.

Switch

• Add VLAN switch feature to FG-300E and FG-301E.

System

- API user must have at least one trust host IP Address.
- Only show diagnose sys nmi-watchdog command on platforms that have "nmi" button.
- With mgmt interface set to dedicated to management, added three kinds of cases.
 - When no trust host is set, all IPv4 and IPv6 addresses have access.
 - When only IPv4 addresses are set to trust host, IPv6 address cannot log in.
 - When only IPv6 addresses are set to trust host, IPv4 address cannot log in.
- There is no mgmt option in GRE tunnel interface when it is set to dedicated to management.
- Allow VDOM admin to create loopback interface if no physical interface in VDOM.
- The trust-ip option in config system interface always override trusthost option in config system admin.
- When vdom-dns is disabled in non-management, the system DNS is used in the DHCP server by default.

Changes in CLI defaults

AntiVirus

Add SSH inspection. This is only compatible with proxy inspection.

| Previous releases | 6.2.2 release | |
|---|--|----------|
| <pre>config antivirus profile edit "profile_name"</pre> | config antivirus profile edit "profile name" | |
| next | config ssh | <==added |
| end | set options scan | <==added |
| | unset archive-block | <==added |
| | unset archive-log | <==added |
| | set emulator enable | <==added |
| | set outbreak-prevention disabled | <==added |
| | end | |
| | next | |
| | end | |

Endpoint Control

Add fortiems-cloud option under FSSO user.

| Previous releases | 6.2.2 release |
|--------------------|----------------------------------|
| config user fsso | config user fsso |
| edit <name></name> | edit <name></name> |
| next | set type fortiems-cloud <==added |
| end | next |
| | end |

Add attribute fortinetone-cloud-authentication to endpoint control fctems.

Add sub-second-sampling under GTP.

| Previous releases | 6.2.2 release | |
|---------------------|---|--|
| config firewall gtp | config firewall gtp | |
| edit "gtpp" | edit "gtpp" | |
| next | set sub-second-sampling enable <==added | |
| end | set sub-second-interval 0.1 <==added | |
| | next | |
| | end | |

Firewall

Add HTTPS as a type of health check for VIP load-balance monitor.

| Previous | releases | 6.2.2 rele | ase |
|----------|---|------------|---|
| edit | irewall ldb-monitor [Monitor Name] t type ? | edit | irewall ldb-monitor [Monitor Name] t type ? |
| ping | PING health monitor. | ping | PING health monitor. |
| tcp | TCP-connect health | tcp | TCP-connect health monitor. |
| monitor. | | http | HTTP-GET health monitor. |
| http | HTTP-GET health monitor. | https | HTTP-GET health monitor with SSL. <==added |

| Previous releases | 6.2.2 release |
|---|-------------------------|
| config firewall address | config firewall address |
| edit [Address] | edit [Address] |
| set type wildcard-fqdn <==removed | next |
| set wildcard-fqdn <string> <==removed</string> | end |
| next | |
| end | |

Add CLI commands to support address and service negate in consolidated policy.

| Previous releases | 6.2.2 release |
|--|--|
| config firewall consolidated policy edit [Policy ID] | config firewall consolidated policy edit [Policy ID] |
| next | set srcaddr-negate [enable disable] <==added |
| end | set dstaddr-negate [enable disable] <==added |
| | set service-negate [enable disable] <==added |

| Previous releases | 6.2.2 release |
|-------------------|--|
| | set internet-service-negate [enable disable] |
| | <==added |
| | set internet-service-src-negate [enable |
| | disable] <==added |
| | next |
| | end |

Proxy

In protocol option profile, add ssl-offloaded command under each protocol.

| Previous releases | 6.2.2 release |
|--|--|
| config firewall profile-protocol-options | config firewall profile-protocol-options |
| edit ""default-clone"" | edit ""default-clone"" |
| config http | config http |
| end | set ssl-offloaded no <==added |
| config ftp | end |
| end | config ftp |
| config imap | set ssl-offloaded no <==added |
| end | end |
| config pop3 | config imap |
| end | set ssl-offloaded no <==added |
| config smtp | end |
| end | config pop3 |
| next | set ssl-offloaded no <==added |
| end | end |
| | config smtp |
| | set ssl-offloaded no <==added |
| | end |
| | next |
| | end |

Traffic Shaping

Add a new global CLI table to define traffic classes. This is 's a mapping between class-ID and naming. class-ID from shaping-profile, and traffic-shaper need to be data-sourced from this CLI table.

| Previous releases | 6.2.2 release | |
|-------------------|---|----------------------------------|
| | config firewall traffic-class edit [Class-ID] end | <==added <==added <==added |

Log & Report

Add CLI allowing user to configure socket priority and maximum log rate per remote log device.

 $\textbf{Similar setting apply to} \ \texttt{config log fortiguard setting} \ \textbf{and} \ \texttt{config log syslogd setting}.$

| Previous releases | 6.2.2 release | |
|---|--|---|
| config log fortianalyzer setting end | <pre>config log fortianalyzer setting set priority [default low]</pre> | - |
| config log fortianalyzer override- setting | end | |
| end | config log fortianalyzer override-setting | |
| | set priority [default low] <==added | Ĺ |
| | set max-log-rate [Log Rate, unit is MBps] <==added | Ĺ |
| | end | |

Add the test command option in CLI.

| Previous releases | 6.2.2 release |
|-------------------------------|---|
| diag test application miglogd | diag test application miglogd 40 <==added option "40" |

SSH

Add file transfer scan over SSH (SCP and SFTP).

| Previous releases | 6.2.2 release | |
|---|---|-------------------------------|
| <pre>config ssh-filter profile edit [Profile Name] set default-command-log disable next end</pre> | config ssh-filter profile edit [Profile Name] set block x11 shell exec port-forward tun- forward sftp scp unknown <==added scp set log x11 shell exec port-forward tun- forward sftp scp unknown <==added scp set default-command-log disable config file-filter <==adde set status enable <==adde set log enable <==adde set scan-archive-contents enable <==adde config entries <==adde config entries <==adde set comment '' <==adde set action block <==adde set direction any <==adde set password-protected any <==adde set file-type "msoffice" <==adde set direction <==adde set file-type "msoffice" <==adde | ed |

| Previous releases | 6.2.2 release |
|-------------------|---------------|
| | next |
| | end |
| | end |
| | next |
| | end |

SSL VPN

Remove citrix and portforward from apptype in the three entries in SSL VPN web bookmark.

```
6.2.2 release
Previous releases
conf vpn ssl web user-bookmark
                                                      conf vpn ssl web user-bookmark
  edit [Name]
                                                         edit [Name]
     config bookmarks
                                                            config bookmarks
        edit [Boormark Name]
                                                               edit [Boormark Name]
           set apptype ?
                                                                  set apptype ?
                                                                      ftp FTP.
              citrix Citrix.
                                         <==removed
              ftp FTP.
                                                                      rdp RDP.
              portforward Port Forward. <==removed
                                                                      sftp SFTP.
              rdp RDP.
                                                                      smb SMB/CIFS.
              sftp SFTP.
                                                                      ssh SSH.
              smb SMB/CIFS.
                                                                      telnet Telnet.
                                                                     vnc VNC.
              ssh SSH.
              telnet Telnet.
                                                                     web HTTP/HTTPS.
              vnc VNC.
                                                               next
              web HTTP/HTTPS.
                                                            end
        next
                                                         next
     end
                                                      end
 next
end
                                                      conf vpn ssl web user-group-bookmark
                                                         edit [Name]
conf vpn ssl web user-group-bookmark
                                                            config bookmarks
  edit [Name]
                                                               edit [Boormark Name]
     config bookmarks
                                                                  set apptype ?
        edit [Boormark Name]
                                                                      ftp FTP.
           set apptype ?
                                                                      rdp RDP.
              citrix Citrix.
                                         <==removed
                                                                      sftp SFTP.
                                                                      smb SMB/CIFS.
              ftp FTP.
                                                                      ssh SSH.
              portforward Port Forward. <==removed
              rdp RDP.
                                                                      telnet Telnet.
              sftp SFTP.
                                                                      vnc VNC.
              smb SMB/CIFS.
                                                                      web HTTP/HTTPS.
              ssh SSH.
                                                               next
                                                            end
```

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```
6.2.2 release
Previous releases
              telnet Telnet.
                                                        next
              vnc VNC.
                                                    end
             web HTTP/HTTPS.
                                                    conf vpn ssl web portal
       next
    end
                                                       edit [Name]
 next
                                                          config bookmarks
end
                                                             edit [Boormark Name]
                                                                set apptype ?
conf vpn ssl web portal
                                                                   ftp FTP.
                                                                   rdp RDP.
 edit [Name]
    config bookmarks
                                                                    sftp SFTP.
                                                                    smb SMB/CIFS.
       edit [Boormark Name]
          set apptype ?
                                                                   ssh SSH.
                               <==removed
                                                                   telnet Telnet.
             citrix Citrix.
                                                                   vnc VNC.
             ftp FTP.
             portforward Port Forward. <==removed
                                                                   web HTTP/HTTPS.
              rdp RDP.
                                                             next
              sftp SFTP.
                                                          end
              smb SMB/CIFS.
                                                       next
              ssh SSH.
                                                    end
              telnet Telnet.
             vnc VNC.
             web HTTP/HTTPS.
       next
    end
 next
end
```

System

Add description in system security zones.

| Previous releases | 6.2.2 release |
|--------------------|-----------------------------|
| config system zone | config system zone |
| edit [Zone Name] | edit [Zone Name] |
| next | set description "" <==added |
| end | next |
| | end |

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Increase the maximum number of DNS servers supported in DHCP server from 3 to 4.

| Previous releases | 6.2.2 release |
|---------------------------|----------------------------------|
| config system dhcp server | config system dhcp server |
| edit [Server ID] | edit [Server ID] |
| set dns-server1 1.1.1.1 | set dns-server1 1.1.1.1 |
| set dns-server2 2.2.2.2 | set dns-server2 2.2.2.2 |
| set dns-server3 3.3.3.3 | set dns-server3 3.3.3.3 |
| next | set dns-server4 4.4.4.4 <==added |
| end | next |
| | end |

VM

 $\textbf{Remove} \ \texttt{vdom-mode} \ \texttt{multi-vdom} \ \textbf{option} \ \textbf{for cloud-based ondemand} \ \textbf{FGT-VM}.$

| Previous releases | 6.2.2 release |
|--|--------------------------------------|
| config sys global | config sys global |
| set vdom-mode ? | set vdom-mode ? |
| no-vdom Disable split/multiple VDOMs | no-vdom Disable split/multiple VDOMs |
| mode. | mode. |
| split-vdom Enable split VDOMs mode. | split-vdom Enable split VDOMs mode. |
| multi-vdom Enable multiple VDOMs mode. | end |
| <==removed | |
| end | |

Remove security rating from FGT_VMX and FGT_SVM.

| Previous releases | 6.2.2 release |
|---|---------------|
| diagnose security-rating version <==removed | |

Enable CPU hot plug in kernel configuration.

| Previous releases | 6.2.2 release |
|-------------------|----------------------------|
| | execute cpu show <==added |
| | Active CPU number: 1 |
| | Total CPU number: 8 |
| | |
| | execute cpu add 1 <==added |
| | Active CPU number: 2 |
| | Total CPU number: 8 |

Collect EIP from cloud-VMS (Azure, AWS, GCP, AliCloud, and OCI).

| Previous releases | 6.2.2 release |
|--|---|
| <pre>pcui-cloudinit-test # execute <?></pre> | <pre>pcui-cloudinit-test # execute <?> update-eip Update external IP. <==added</pre> |
| config sys interface | |
| edit [Name] | config sys interface |
| next | edit [Name] |
| end | set eip <==added |
| | next |
| conf sys global | end |
| set sslvpn-cipher-hardware-acceleration | |
| <==removed | conf sys global |
| end | end |

WiFi Controller

Add portal-type external-auth when captive-portal is enabled on local-bridge VAP.

| Previous releases | 6.2.2 release |
|----------------------------------|--|
| config wireless-controller vap | config wireless-controller vap |
| edit "wifi.fap.02" | edit "wifi.fap.02" |
| set ssid "bridge-captive" | set ssid "bridge-captive" |
| set local-bridging enable | set local-bridging enable |
| set security captive-portal | set security captive-portal |
| set external-web | set portal-type external-auth <==added |
| "170.00.00.000/portal/index.php" | set external-web |
| set radius-server "peap" | "170.00.00.000/portal/index.php" |
| next | set radius-server "peap" |
| end | next |
| | end |

 $\textbf{Move} \ \texttt{darrp-optimize-schedules} \ \textbf{configurations} \ \textbf{from} \ \textbf{Global level to} \ \textbf{VDOM level}.$

| Previous releases | 6.2.2 release |
|--|--|
| ### Global ### | ### VDOM ### |
| config wireless-controller timers | config wireless-controller setting |
| set darrp-optimize 86400 <==removed | set darrp-optimize 86400 <==added |
| set darrp-optimize-schedules "default- | set darrp-optimize-schedules "default- |
| darrp-optimize" <==removed | darrp-optimize" <==added |
| end | end |

Add external-web-format setting under captive-portal VAP when external portal is selected.

| Previous releases | 6.2.2 release |
|---|---|
| config wireless-controller vap | config wireless-controller vap |
| edit guestwifi | edit guestwifi |
| set ssid "GuestWiFi" | set ssid "GuestWiFi" |
| set security captive-portal | set security captive-portal |
| set external-web | set external-web |
| "http://170.00.00.000/portal/index.php" | "http://170.00.00.000/portal/index.php" |
| set selected-usergroups "Guest-group" | set selected-usergroups "Guest-group" |
| set intra-vap-privacy enable | set intra-vap-privacy enable |
| set schedule "always" | set schedule "always" |
| next | set external-web-format auto-detect |
| end | <==added |
| | next |
| | end |

Add new WTP profiles FAPU431F-default and FAPU433F-default.

| Previous releases | 6.2.2 release |
|--|--|
| config wireless-controller wtp-profile edit [FAPU431F-default FAPU433F-default] config platform end | <pre>config wireless-controller wtp-profile edit [FAPU431F-default FAPU433F-default] config platform set type [U431F U433F]</pre> |
| <pre>config wireless-controller wtp-profile edit [FAPU431F-default FAPU433F- default] next end</pre> | <pre>config wireless-controller wtp-profile edit [FAPU431F-default FAPU433F- default] config radio-1</pre> |
| config wireless-controller vap edit [SSID name] next end | <pre>config wireless-controller vap edit [SSID name] set high-efficiency enable <==added set target-wake-time enable <==added next end</pre> |

For DFS approved countries, add 160 MHz channel bonding support for FortiAP U421EV/U422EV/U423EV models.

| Previous releases | 6.2.2 release |
|--|---|
| config wireless-controller wtp-profile edit [FAPU421EV-default FAPU422EV-default FAPU423EV-default] config radio-2 set band 802.11ac | <pre>config wireless-controller wtp-profile edit [FAPU421EV-default FAPU422EV-default FAPU423EV-default] config radio-2 set band 802.11ac</pre> |
| end | set channel-bonding 160MHz <==added |
| next | end |
| end | next |
| | end |

Add MPSK schedule that allows setting valid period for MPSK.

| Previous releases | 6.2.2 release |
|--------------------------------|--------------------------------------|
| config wireless-controller vap | config wireless-controller vap |
| edit [SSID Interface Name] | edit [SSID Interface Name] |
| set mpsk enable | set mpsk enable |
| config mpsk-key | config mpsk-key |
| edit [MPSK Entry Name] | edit [MPSK Entry Name] |
| set passphrase 11111111 | set passphrase 11111111 |
| next | set mpsk-schedules "always" <==added |
| end | next |
| next | end |
| end | next |
| | end |

Add GRE&L2TP support in WiFi.

| Previous releases | 6.2.2 release |
|---|--|
| config wireless-controller vap edit "80e_gre" set ssid "FOS-QA_Bruce_80e_gre" set local-bridging enable | <pre>config wireless-controller wag-profile <==added edit [Profile Name] <==added end</pre> |
| set vlanid 3135 next end | config wireless-controller vap edit "80e_gre" set ssid "FOS-QA_Bruce_80e_gre" set local-bridging enable set vlanid 3135 set primary-wag-profile "tunnel" <==added set secondary-wag-profile "12tp" <==added next end |

Changes in default values

AntiVirus

Change AV scan mode from [quick | full] to [default | legacy]. The default value is set to default.

| Previous releases | 6.2.2 release |
|---|---|
| <pre>config antivirus profile edit "profile_name"</pre> | <pre>config antivirus profile edit "profile_name"</pre> |
| set scan-mode [quick full] | set scan-mode [default legacy] <==changed |
| next | next |
| end | end |

Log & Report

 $\textbf{Change default value from } \verb|disable| \textbf{to} | \verb|enable| \textbf{for some configuration options under} | \verb|fortianalyzer-cloud| \\ \verb|filter|.$

| Previous releases | 6.2.2 release |
|---------------------------------------|---|
| config log fortianalyzer-cloud filter | config log fortianalyzer-cloud filter |
| set severity information | set severity information |
| set forward-traffic disable | set forward-traffic enable <==changed |
| set local-traffic disable | set local-traffic enable <==changed |
| set multicast-traffic disable | set multicast-traffic enable <==changed |
| set sniffer-traffic disable | set sniffer-traffic enable <==changed |
| set anomaly disable | set anomaly enable <==changed |
| set voip disable | set voip enable <==changed |
| set dlp-archive disable | set dlp-archive disable |
| set filter '' | set filter '' |
| set filter-type include | set filter-type include |
| end | end |

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System

After creating a new VDOM, add default certificates for ssl-cert and ssl-ca-cert under web-proxy setting.

| Previous releases | 6.2.2 release |
|-------------------------------|--|
| show web-proxy global | show web-proxy global |
| config web-proxy global | config web-proxy global |
| set ssl-cert '' | set ssl-cert 'Fortinet_Factory' <==changed |
| set ssl-ca-cert '' | set ssl-ca-cert 'Fortinet_CA_SSL' <==changed |
| set proxy-fqdn "default.fqdn" | set proxy-fqdn "default.fqdn" |
| end | end |

WiFi Controller

Change default LLDP setting in wtp-profile from disable to enable.

| Previous releases | 6.2.2 release |
|---|---|
| config wireless-controller wtp-profile edit [FAP-Profile] | config wireless-controller wtp-profile edit [FAP-Profile] |
| set lldp disable | set lldp enable <==changed |
| end | end |
| end | end |

The default channel-utilization setting in wtp-profile is changed from disable to enable.

| Previous releases | 6.2.2 release |
|--|---|
| config wireless-controller wtp-profile | config wireless-controller wtp-profile |
| edit [FAP Profile Name] | edit [FAP Profile Name] |
| config radio-1 | config radio-1 |
| set channel-utilization disable | set channel-utilization enable <==changed |
| end | end |
| config radio-2 | config radio-2 |
| set channel-utilization disable | set channel-utilization enable <==changed |
| end | end |
| next | next |
| end | end |

Increase normal WTP capacity on high end FortiGates from 1024 to 2048.

| Previous releases | 6.2.2 release |
|-------------------------------|---------------------------------|
| FGT(1000, end) = 1024 -> 2048 | FGT(1000, end) = 1024 -> 2048 |

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.

Device detection changes

In FortiOS 6.0.x, the device detection feature contains multiple sub-components, which are independent:

- Visibility Detected information is available for topology visibility and logging.
- FortiClient endpoint compliance Information learned from FortiClient can be used to enforce compliance of those endpoints.
- Mac-address-based device policies Detected devices can be defined as custom devices, and then used in device-based policies.

In 6.2, these functionalities have changed:

- Visibility Configuration of the feature remains the same as FortiOS 6.0, including FortiClient information.
- FortiClient endpoint compliance A new fabric connector replaces this, and aligns it with all other endpoint connectors for dynamic policies. For more information, see Dynamic Policy FortiClient EMS (Connector) in the FortiOS 6.2.0 New Features Guide.
- Mac-address-based policies A new address type is introduced (Mac Address Range), which can be used in regular
 policies. The previous device policy feature can be achieved by manually defining MAC addresses, and then adding
 them to regular policy table in 6.2. For more information, see MAC Addressed-Based Policies in the FortiOS
 6.2.0 New Features Guide.

If you were using device policies in 6.0.x, you will need to migrate these policies to the regular policy table manually after upgrade. After upgrading to 6.2.0:

- 1. Create MAC-based firewall addresses for each device.
- 2. Apply the addresses to regular IPv4 policy table.

FortiClient Endpoint Telemetry license

Starting with FortiOS 6.2.0, the FortiClient Endpoint Telemetry license is deprecated. The FortiClient Compliance profile under the Security Profiles menu has been removed as has the Enforce FortiClient Compliance Check option under each interface configuration page. Endpoints running FortiClient 6.2.0 now register only with FortiClient EMS 6.2.0 and compliance is accomplished through the use of Compliance Verification Rules configured on FortiClient EMS 6.2.0 and enforced through the use of firewall policies. As a result, there are two upgrade scenarios:

- Customers using only a FortiGate device in FortiOS 6.0 to enforce compliance must install FortiClient EMS 6.2.0 and purchase a FortiClient Security Fabric Agent License for their FortiClient EMS installation.
- Customers using both a FortiGate device in FortiOS 6.0 and FortiClient EMS running 6.0 for compliance enforcement, must upgrade the FortiGate device to FortiOS 6.2.0, FortiClient to 6.2.0, and FortiClient EMS to 6.2.0.

The FortiClient 6.2.0 for MS Windows standard installer and zip package containing FortiClient.msi and language transforms and the FortiClient 6.2.0 for macOS standard installer are included with FortiClient EMS 6.2.0.

Fortinet Security Fabric upgrade

FortiOS 6.2.2 greatly increases the interoperability between other Fortinet products. This includes:

- FortiAnalyzer 6.2.0
- FortiClient EMS 6.2.0
- FortiClient 6.2.0
- FortiAP 5.4.4 and later
- FortiSwitch 3.6.9 and later

Upgrade the firmware of each product in the correct order. This maintains network connectivity without the need to use manual steps.



If Security Fabric is enabled, then all FortiGate devices must be upgraded to 6.2.2. When Security Fabric is enabled in FortiOS 6.2.2, all FortiGate devices must be running FortiOS 6.2.2.

Minimum version of TLS services automatically changed

For improved security, FortiOS 6.2.2 uses the ssl-min-proto-version option (under config system global) to control the minimum SSL protocol version used in communication between FortiGate and third-party SSL and TLS services.

When you upgrade to FortiOS 6.2.2 and later, the default ssl-min-proto-version option is TLS v1.2. The following SSL and TLS services inherit global settings to use TLS v1.2 as the default. You can override these settings.

- Email server (config system email-server)
- Certificate (config vpn certificate setting)
- FortiSandbox (config system fortisandbox)

- FortiGuard (config log fortiguard setting)
- FortiAnalyzer (config log fortianalyzer setting)
- LDAP server (config user ldap)
- POP3 server (config user pop3)

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

Amazon AWS enhanced networking compatibility issue

With this enhancement, there is a compatibility issue with older AWS VM versions. After downgrading a 6.2.2 image to an older version, network connectivity is lost. Since AWS does not provide console access, you cannot recover the downgraded image.

When downgrading from 6.2.2 to older versions, running the enhanced nic driver is not allowed. The following AWS instances are affected:

- C3
- C4
- R3
- 12
- M4
- D2

FortiLink access-profile setting

The new FortiLink local-access profile controls access to the physical interface of a FortiSwitch that is managed by FortiGate.

After upgrading FortiGate to 6.2.2, the interface allowaccess configuration on all managed FortiSwitches are overwritten by the default FortiGate local-access profile. You must manually add your protocols to the local-access profile after upgrading to 6.2.2.

To configure local-access profile:

```
config switch-controller security-policy local-access
  edit [Policy Name]
     set mgmt-allowaccess https ping ssh
     set internal-allowaccess https ping ssh
     next
end
```

To apply local-access profile to managed FortiSwitch:

```
config switch-controller managed-switch
  edit [FortiSwitch Serial Number]
    set switch-profile [Policy Name]
    set access-profile [Policy Name]
    next
end
```

FortiGate VM with V-license

This version allows FortiGate VM with V-License to enable split-vdom.

To enable split-vdom:

```
config system global
   set vdom-mode [no-vdom | split vdom]
end
```

FortiGate VM firmware

Fortinet provides FortiGate VM firmware images for the following virtual environments:

Citrix XenServer and Open Source XenServer

- out: Download the 64-bit firmware image to upgrade your existing FortiGate VM installation.
- .out.OpenXen.zip: Download the 64-bit package for a new FortiGate VM installation. This package contains the QCOW2 file for Open Source XenServer.
- .out.CitrixXen.zip: Download the 64-bit package for a new FortiGate VM installation. This package
 contains the Citrix XenServer Virtual Appliance (XVA), Virtual Hard Disk (VHD), and OVF files.

Linux KVM

- .out: Download the 64-bit firmware image to upgrade your existing FortiGate VM installation.
- .out.kvm.zip: Download the 64-bit package for a new FortiGate VM installation. This package contains QCOW2 that can be used by gemu.

Microsoft Hyper-V

- .out: Download the 64-bit firmware image to upgrade your existing FortiGate VM installation.
- .out.hyperv.zip: Download the 64-bit package for a new FortiGate VM installation. This package contains three folders that can be imported by Hyper-V Manager on Hyper-V 2012. It also contains the file fortios.vhd in the Virtual Hard Disks folder that can be manually added to the Hyper-V Manager.

VMware ESX and ESXi

- .out: Download either the 64-bit firmware image to upgrade your existing FortiGate VM installation.
- .ovf.zip: Download either the 64-bit package for a new FortiGate VM installation. This package contains Open Virtualization Format (OVF) files for VMware and two Virtual Machine Disk Format (VMDK) files used by the OVF file during deployment.

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 select *Download* > *Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

FortiGuard update-server-location setting

The FortiGuard update-server-location default setting is different between hardware platforms and VMs. On hardware platforms, the default is any. On VMs, the default is usa.

On VMs, after upgrading from 5.6.3 or earlier to 5.6.4 or later (including 6.0.0 or later), update-server-location is set to usa.

If necessary, set update-server-location to use the nearest or low-latency FDS servers.

To set FortiGuard update-server-location:

```
config system fortiguard
  set update-server-location [usa|any]
end
```

FortiView widgets

FortiView widgets have been rewritten in 6.2.2. FortiView widgets created in previous versions are deleted in the upgrade.

Product integration and support

The following table lists FortiOS 6.2.2 product integration and support information:

| Web Browsers | Microsoft Edge 41 Mozilla Firefox version 59 Google Chrome version 65 Other web browsers may function correctly, but are not supported by Fortinet. |
|--|--|
| Explicit Web Proxy Browser | Microsoft Edge 41 Mozilla Firefox version 59 Google Chrome version 65 Other web browsers may function correctly, but are not supported by Fortinet. |
| FortiManager | See important compatibility information in Fortinet Security Fabric upgrade on page 26. For the latest information, see FortiManager compatibility with FortiOS in the Fortinet Document Library. Upgrade FortiManager before upgrading FortiGate. |
| FortiAnalyzer | See important compatibility information in Fortinet Security Fabric upgrade on page 26. For the latest information, see FortiAnalyzer compatibility with FortiOS in the Fortinet Document Library. Upgrade FortiAnalyzer before upgrading FortiGate. |
| FortiClient: • Microsoft Windows • Mac OS X • Linux | • 6.2.0 See important compatibility information in FortiClient Endpoint Telemetry license on page 26 and Fortinet Security Fabric upgrade on page 26. FortiClient for Linux is supported on Ubuntu 16.04 and later, Red Hat 7.4 and later, and CentOS 7.4 and later. If you are using FortiClient only for IPsec VPN or SSL VPN, FortiClient version 5.6.0 and later are supported. |
| FortiClient iOS | 6.2.0 and later |
| FortiClient Android and FortiClient VPN Android | • 6.2.0 and later |
| FortiAP | 5.4.2 and later5.6.0 and later |
| FortiAP-S | 5.4.3 and later5.6.0 and later |
| FortiAP-U | • 5.4.5 and later |
| FortiAP-W2 | • 5.6.0 and later |
| | |

| FortiSwitch OS (FortiLink support) | • 3.6.9 and later |
|---------------------------------------|--|
| FortiController | 5.2.5 and later Supported models: FCTL-5103B, FCTL-5903C, FCTL-5913C |
| FortiSandbox | • 2.3.3 and later |
| Fortinet Single Sign-On (FSSO) | 5.0 build 0282 and later (needed for FSSO agent support OU in group filters) Windows Server 2016 Datacenter Windows Server 2016 Standard Windows Server 2016 Core Windows Server 2012 Standard Windows Server 2012 R2 Standard Windows Server 2012 Core Windows Server 2008 (32-bit and 64-bit) Windows Server 2008 R2 64-bit Windows Server 2008 Core Novell eDirectory 8.8 |
| FortiExtender | • 3.2.1 |
| AV Engine | • 6.00132 |
| IPS Engine | • 5.00035 |
| Virtualization Environments | |
| Citrix | XenServer version 5.6 Service Pack 2XenServer version 6.0 and later |
| Linux KVM | RHEL 7.1/Ubuntu 12.04 and later CentOS 6.4 (qemu 0.12.1) and later |
| Microsoft | Hyper-V Server 2008 R2, 2012, 2012 R2, and 2016 |
| Open Source | XenServer version 3.4.3XenServer version 4.1 and later |
| VMware | ESX versions 4.0 and 4.1 ESXi versions 4.0, 4.1, 5.0, 5.1, 5.5, 6.0, 6.5, and 6.7 |
| VM Series - SR-IOV | The following NIC chipset cards are supported: Intel 82599 Intel X540 Intel X710/XL710 |

Language support

The following table lists language support information.

Language support

| Language | GUI |
|-----------------------|-----|
| English | V |
| Chinese (Simplified) | V |
| Chinese (Traditional) | V |
| French | V |
| Japanese | V |
| Korean | V |
| Portuguese (Brazil) | V |
| Spanish | V |

SSL VPN support

SSL VPN standalone client

The following table lists SSL VPN tunnel client standalone installer for the following operating systems.

Operating system and installers

| Operating System | Installer |
|--|--|
| Linux CentOS 6.5 / 7 (32-bit & 64-bit) Linux Ubuntu 16.04 / 18.04 (32-bit & 64-bit) | 2336. Download from the Fortinet Developer Network: https://fndn.fortinet.net. |

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



SSL VPN standalone client no longer supports the following operating systems:

- Microsoft Windows 7 (32-bit & 64-bit)
- Microsoft Windows 8 / 8.1 (32-bit & 64-bit)
- Microsoft Windows 10 (64-bit)
- Virtual Desktop for Microsoft Windows 7 SP1 (32-bit)

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 61 Google Chrome version 68 |
| Microsoft Windows 10 (64-bit) | Microsoft Edge Mozilla Firefox version 61 Google Chrome version 68 |
| Linux CentOS 6.5 / 7 (32-bit & 64-bit) | Mozilla Firefox version 54 |
| OS X El Capitan 10.11.1 | Apple Safari version 11 Mozilla Firefox version 61 Google Chrome version 68 |
| 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.

SSL VPN host compatibility list

The following table lists the antivirus and firewall client software packages that are supported.

Supported Microsoft Windows XP antivirus and firewall software

| Product | Antivirus | Firewall |
|-----------------------------------|-----------|----------|
| Symantec Endpoint Protection 11 | ✓ | ✓ |
| Kaspersky Antivirus 2009 | ✓ | |
| McAfee Security Center 8.1 | ✓ | ✓ |
| Trend Micro Internet Security Pro | ✓ | ✓ |
| F-Secure Internet Security 2009 | ✓ | ✓ |

Supported Microsoft Windows 7 32-bit antivirus and firewall software

| Product | Antivirus | Firewall |
|--|-----------|----------|
| CA Internet Security Suite Plus Software | V | ✓ |
| AVG Internet Security 2011 | | |
| F-Secure Internet Security 2011 | V | ✓ |
| Kaspersky Internet Security 2011 | V | ✓ |
| McAfee Internet Security 2011 | V | ✓ |
| Norton 360™ Version 4.0 | ✓ | ✓ |
| Norton™ Internet Security 2011 | V | ✓ |
| Panda Internet Security 2011 | ✓ | ✓ |
| Sophos Security Suite | V | ✓ |
| Trend Micro Titanium Internet Security | ✓ | ✓ |
| ZoneAlarm Security Suite | V | ✓ |
| Symantec Endpoint Protection Small Business Edition 12.0 | V | ✓ |

Resolved issues

The following issues have been fixed in version 6.2.2. For inquires about a particular bug, please contact Customer Service & Support.

New features or enhancements

| Bug ID | Description |
|--------|--|
| 457153 | Support for SSL VPN sign on using certificate and remote (LDAP or RADIUS) username/password authentication. |
| 538760 | Monitor API to check SLBC cluster checksum status. New API added - monitor/system/config-sync/status. |
| 544704 | FortiOS support for 802.11ax FortiAP-U431F/U433F. |
| 550912 | Support for link aggregation LACP on entry level FortiGate is extended to all two-digit entry level box for the following models: FGR-30D, FGR-35D, FG-30E, FG-30E-MI, FG-30E-MN, FG-50E, FG-51E, FG-52E, FG-60E, FG-60E-POE, FG-61E, FG-80D, FG-80E, FG-80E-POE, FG-81E, FG-81E-POE, FG-90E, FG-91E, FG-92D, FWF-30E, FWF-30E-MI, FWF-30E-MN, FWF-50E, FWF-50E-2R, FWF-51E, FWF-60E, FWF-61E |
| 554965 | IPv6 is supported in communication between the following: Collector agent and FortiGate Collector agent and DC_agent Collector agent and terminal server agent |

AntiSpam

| Bug ID | Description |
|--------|---|
| 559802 | Spam mail can't be checked by antispam filter on SMTP protocol. |

AntiVirus

| Bug ID | Description |
|--------|--|
| 545381 | When proxy-av is configured for firewall policy, FTP file upload is stopped. |
| 553143 | Redundant logs and alert emails sent when file is sent to FortiSandbox Cloud via Suspicious Files Only. |
| 561524 | Cannot send an email with PDF attachment when FortiSandbox Cloud Inspection is enabled. |
| 562037 | CDR does not disarm files when they are sent over HTTP-POST even though despite AV logs show file has been disarmed. |

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| Bug ID | Description |
|--------|---|
| 575177 | Advanced Threat Protection Statistics widget clean file count is incorrect. |
| 580212 | Policy in flow mode blocking Adobe creative cloud desktop application. |

Application Control

| Bug ID | Description |
|--------|--|
| 558380 | AppCtl does not detect application with webproxy-forward-server. |

Data Leak Prevention

| Bug ID | Description |
|--------|--|
| 522472 | DLP logs have a wrong reference link to archived file. |
| 540317 | DLP cannot detect attached zip files when receiving emails via MAPI over HTTP. |
| 546964 | DLP sensors and DLP options in firewall policy and profile groups are removed. |
| 570379 | DLP only detects the first word of filename. |

DNS Filter

| Bug ID | Description |
|--------|--|
| 567172 | Enforcing Safe Search in 6.0.5 blocks access to Google domains which makes Safe Search not work. |
| 578267 | DNS request to a second DNS server with same Transaction ID is discarded when DNS Filter is enabled on a policy. |
| 581778 | Cannot re-order DNS domain filter list. |

Explicit Proxy

| Bug ID | Description |
|--------|--|
| 543794 | High CPU due to WAD process. |
| 552334 | Website does not work with SSL Deep inspection due to OCSP validation process. |
| 557265 | Browser redirect loop after re-authentication when using proxy-re-authentication-mode absolute. |
| 561843 | AppCtl unscans the traffic to forwarding to upstream proxy. |
| 564582 | Explicit proxy policy treats domain.tld in FQDN firewall address object as wildcard. |
| 567029 | WAD crashes at <code>crypto_kxp_xform_block_enc</code> when WAD is restarted while visiting a website after an authentication. |

| Bug ID | Description |
|--------|--|
| 571034 | Using disclaimer causes incorrect redirection. |
| 572220 | Unable to match the expected firewall proxy-policy when dstint is set to Zone where Zone member has PPPoE interface. |
| 577372 | WAD has signal 11 crash at wad_ssl_cert_get_auth_status. |

Firewall

| Bug ID | Description |
|--------|---|
| 539421 | Load Balance monitor stats reset after mode change. |
| 540949 | Health status of standby server in server load balance not available in GUI or CLI. |
| 545056 | Firewall should not be evaluated when an interface bandwidth widget is added to the dashboard. |
| 552329 | NP6 sessions dropped after any change in GUI. |
| 554329 | Schedule policy is not activated on time. |
| 558689 | Traffic dropped by anti replay in ECMP with IPS. |
| 558690 | Session timer left at half-open value once established in an ECMP with IPS context. |
| 563471 | HTTP load balancing doesn't work after rebooting in Transparent mode. |
| 563928 | SFTP connection failure when SSH DPI and app-ctrl are enabled. |
| 564990 | Captive-portal-exempt is not supported in consolidated policy. |
| 566951 | Unexpected reverse path check failure on IPv6. |
| 570468 | FortiGate randomly not processing some NAT64 packets. |
| 570507 | Application control causing NAT hairpin traffic to be dropped. Workaround: Create a new firewall policy from scratch and the default application control can be applied again. |
| 571022 | SNAT before encryption in policy-based VPN for local traffic after upgrade from 5.6.8 to 6.0.5. |
| 571832 | Provide different protocol/port list when the same ISDB object is used as source/destination. |
| 577752 | Policy with a VIP with a destination interface of a zone is dropping packets. |

FortiView

| Bug ID | Description |
|--------|--|
| 527540 | Cannot click the <i>Quarantine Host</i> option on a registered device. |
| 537819 | FortiView All Sessions page: tooltip of geography IP show 'undefined'. |
| 553627 | FortiView pages cannot load with Failed to retrieve FortiView data. |

GUI

| Bug ID | Description |
|--------|--|
| 445074 | The MMS profiles pages have been removed from the FortiOS Carrier GUI. Workaround: You can configure MMS profiles from the CLI using the config firewall mms-profile command. |
| 479692 | GUI shows error Image file doesn't match platform even when the user is uploading correct image. |
| 486230 | GUI on FGT3800D with 5.6.3 is very slow - configuration with numerous policies. |
| 493704 | While accessing the FortiGate page, PC browser memory usage keeps spiking and finally PC hangs. |
| 502740 | Remove GUI instructions for Dialup-FortiClient VPN. |
| 504829 | GUI should not log out if there is 401 error on downstream device. |
| 513157 | Cannot filter on hit count "0" for policy match. |
| 523403 | GUI Protocol Port Mapping configuration should be rejected when an invalid port number such as -1 is entered. |
| 526254 | Interface page keep loading when VDOM admin have netgrp permission. |
| 528649 | vpngrp read or read-write access profile doesn't work properly. |
| 540056 | Error message enhancement while creating packet capture in GUI with filter set to high port range. |
| 540737 | Should show warning and block user to use no-inspection SSL-SSH profile when any UTM profile is used. |
| 543487 | Collected Email Monitor page cannot list the wireless client if connected from captive-portal+email-collection. |
| 543637 | Not able to filter the policy by multiple ID. |
| 544313 | GUI SD-WAN Monitor page keep loading. |
| 548653 | SSO_admin (super_admin) can't open CLI window from GUI. Error says too many concurrent connection. |
| 552552 | Personal Privacy in FortiGuard category based filter mistranslated. |
| 555121 | Context menu of AP Group has unsupported actions enabled after change view on Managed FortiAPs page. |
| 559799 | Webhook automation host header incorrect. |
| 560430 | Some app-category cannot be listed on security policy editing page and get JS error. |
| 561334 | GUI SSID main passphrase and MPSK minimum length should be flexible according to new "wfacompatibility" setting. |
| 563053 | Warning message for third-party transceivers were removed for 6.2.1 to prevent excessive RMA or support tickets. 6.2.2 re-added the warning for third-party transceivers. |
| 563445 | Upgrade NGFW VDOM from v6.2.0, security policy should support virtual-wan-link interface. |

| Bug ID | Description |
|--------|---|
| 564201 | After OSPF change via GUI, password for virtual-link will completely disappear and must be reentered. |
| 564601 | Remove the license requirement to upload FortiGuard packages through the GUI when in USG mode. |
| 565109 | Add Selected button does not appear under Application Control slide-in when VDOM is enabled. |
| 566666 | AP comments do not appear on the columns for Managed AP page. |
| 568176 | GUI response is very slow when accessing Route-Monitor page in GUI. |
| 569080 | SD-WAN rule GUI page doesn't show red exclamation mark for DST-negate enabled, like firewall policy. |
| 569259 | Fabric SAML with FortiManager management. Downstream FortiGate login with SAML super admin only have read-only access on most pages. |
| 571674 | GUI config changes generate misleading config event logs. |
| 571828 | GUI admin password injected as PSK when adding phase2 configuration on Chrome. |
| 572027 | In Log View/FortiView, GUI cannot list logs from FortiAnalyzer on FGT/FWF boxes. |
| 573070 | Interface widget not loading fully (keeps spinning) when a VDOM "prof_admin" is used. |
| 573869 | Log search index files are never deleted when the logdisk is out of space. |
| 574239 | AWS/AWSONDEMAND missing dropdown selection box for HTTPS server and WiFi certificates in GUI. |
| 575756 | Port Link speed option is missing on the FortiGate GUI after upgrading the managed FortiSwitch to 6.2.1. |
| 579259 | Firewall User Monitor shows "Failed to retrieve info" and no entries if session-based proxy authentication is used. |
| 583760 | After adding few Web Rating Overrides via GUI to an already existing long list of URIs, Web Rating Overrides page is not loaded and keeps spinning. |

HA

| Bug ID | Description |
|--------|---|
| 543602 | Unnecessary syncing process started during upgrade when it takes longer. |
| 554187 | HA slave gets FW Signature un-certified after upgrading image from the master. |
| 555056 | Enable 2-factor using vcluster in GUI gets overwritten (sync) by slave. |
| 555998 | Load balanced (A-A) slave-session doesn't forward traffic after session is dirtied due to FortiManager policy install. |
| 557277 | FortiGate FGSP configured with standalone-config-sync will sync the FortinAlayzer source-IP configuration to the slave. |

| Bug ID | Description |
|--------|--|
| 557473 | FGSP found checksum mismatch after replaced one of the units in the cluster. |
| 559172 | VLAN in VDOM in virtual cluster not showing virtual MAC for the vcluster. |
| 560096 | Restoring config fails on slave when using TACACS+ (master OK). |
| 560107 | Cluster upgrade from 5.6.7 build 1653 to SB 5.6.8 build 3667 takes longer than normal. |
| 563551 | HASYNC aborts on slave unit. |
| 569629 | HA A-A local FQDN not resolving on slave unit. |
| 574564 | In an HA configuration with HA uninterruptible upgrade enabled, some signature database files may fail to synchronize upon upgrading from 5.6.9 and earlier to 5.6.10. |
| 575715 | Unable the sync the Local-GW in FGSP. |
| 576638 | HA cluster GUI change does not send logs to the slave immediately. |
| 577115 | Master unit console keeps showing message [ha_auth_set_logon_msg:228] buffer overflow. |
| 578475 | FortiGate HA reports not synced if firewall policy of master and slave does not contain the same VIP. |

Intrusion Prevention

| Bug ID | Description |
|--------|--|
| 545823 | Creating/editing a DoS-Policy takes a long time. GUI hangs or displays <i>Error 500: Internal Server Error</i> . |
| 561623 | IPS engine 5.009 crashes when updated new FFDB has different size from the old one. |

IPsec VPN

| Bug ID | Description |
|--------|---|
| 449212 | New dialup IPsec tunnel in policy mode/mode-cfg overwrites previously established tunnel. |
| 537450 | Site-to-site VPN policy based with DDNS destination fail to connect. |
| 553759 | ESP packets are sent to the wrong MAC after a routing change when IPsec SA is offloaded. |
| 558693 | FW90D VPN becomes unresponsive after changing VPN DDNS/Monitor. |
| 559180 | The command include-local-lan gets disabled after firewall is rebooted. |
| 560223 | Add support for EdDSA certificates for proxy-based deep-inspection / virtual-server when using TLS 1.3. This is resolved by: 0560223, 0561319, 0561820, 0561821, 0561822, 0561823, 0564510. |
| 564237 | After configuring SD-WAN and creating SD-WAN rule based on bandwidth criteria, the bandwidth value for tunnel interface is not calculated correctly. |
| 569586 | IPsec certificate based IKEv2 VPNs fail to read out certificate subject as username if ECC certificate is involved. |

| Bug ID | Description |
|--------|--|
| 571209 | Traffic over VLAN sub-interface pushed through the IPsec policy based VPN interface. |
| 574115 | PKI certificates with OU and/or DC as subject fail for PKI user filters. |
| 575238 | Redirected traffic on the same interface (ingress and egress interface are the same) is dropped. |
| 575477 | IKED memory leak. |
| 577502 | OCVPN cannot register - status 'Undefined'. |

Log & Report

| Bug ID | Description |
|--------|--|
| 387294 | Country flags in Botnet C&C table and Top Destinations by Bandwidth table are all missing. |
| 545948 | FortiGate periodically stops sending syslog messages. |
| 551459 | srcintf is unknown-0 in traffic log for service DNS when action is IP connection error. |
| 556199 | No logs are generated when using local-in policy on ha-mgmt interface. |
| 558702 | miglogd not working until sysctl killall miglogd. Reboot does not help. |
| 565216 | Memory of miglogd increase and enter conserve mode. |
| 565505 | miglogd high CPU utilization. |
| 566843 | No log generated when traffic is blocked by setting tunnel-non-http in webproxy. |
| 568795 | Specific traffic type is not logged on FAZ/Memory. |
| 576024 | Set sniffer policy to only log logtraffic=utm but many traffic log stats are still generated in disk or FortiAnalyzer. |

Proxy

| Bug ID | Description |
|--------|---|
| 457347 | WAD crashes in wad_http_client_body_done when ICAP is enabled. |
| 544414 | WAD handles transparent FTP/FTPS traffic. |
| 550056 | When SNI is exempt in an SSL profile, and the SNI does not match the CN, the FortiGate closes the session and does not perform deep inspection. |
| 551119 | Certificate blacklist not working correctly in proxy mode. |
| 559166 | In firmware 6.0.5, WAD CPU usage on all cores reaches 100% in each around 30s. |
| 562610 | FortiGate generates WAD crash wad_mem_malloc. |
| 563154 | Can't open a particular web page via explicit proxy with deep inspection and webfilter profile enabled. |
| 566859 | In WAD conserve mode 5.6.8, max_blocks value is high on some workers. |

| Bug ID | Description |
|--------|--|
| 567796 | WAD constantly crashes every few seconds. |
| 567942 | FortiGate cannot block blacklist certificate against TLS 1.3 if the blacklist certificate server address is exempt. |
| 568905 | WAD crashes due to RCX null. |
| 572489 | SSL handshake sometimes fail due to FortiGate replying back FIN to client. |
| 573340 | WAD causing memory leak. |
| 573721 | For FortiGate with client certificate inspect mode, traffic will trigger WAD crash. |
| 573917 | Certain web pages time out. |
| 574171 | Fail to connect https://drive.google.com by TLS 1.3. |
| 574730 | Wildcard URL filter stops working after upgrade. |
| 576852 | WAD process crashes in internet_svc_entry_cmp. |
| 581865 | In Proxy inspection with Application control and certificate inspection, TLS error for certain web pages,in EDGE browser only. |
| 582714 | WAD might leak memory during SSL session ticket resumption. |
| 583736 | WAD application crashing in v6.2.1. |

REST API

| Bug ID | Description |
|--------|---|
| 566837 | HTTPSD process crashes when using REST API. |

Routing

| Bug ID | Description |
|--------|---|
| 558979 | ECMP-based session with auxiliary session and IPS is not offloaded in reply direction. |
| 559645 | Creating static route from GUI should set <i>Dynamic Gateway</i> disabled by default. |
| 560633 | OSPF route for AD-VPN tunnel interface flaps. |
| 562159 | ADVPN OSPF unable to ping over ADVPN linknet. |
| 567497 | FortiGate sends PIM register messages to RP for group 64.0.0.0 about nonexistent sources. |
| 571714 | DHCPv6 relay shows no route to host when there are multiple paths to reach it. |
| 573789 | OSPF with virtual clustering not learning routes. |
| 578623 | Gradual memory increase with full BGP table. |
| 581488 | BGP confederation router sending incorrect AS to neighbor-group routers. |

SSL VPN

| 476377 SSL VPN FortiClient login with FAC user FTM two-factor fail because it times out too fast. 478957 SSL VPN web portal login history is not displayed if logs are stored in FortiAnalyzer. 481038 Web application is not loading through SSL VPN portal. 481038 Web application is not loading through SSL VPN portal. 481733 When SSL VPN receives multiple HTTPS post requests under web filter, read_request_data_r loops even when client is stopped, which causes the SSL VPN process to use 99% of CPU. 486584 SSL VPN bad password attempt causes excessive bind requests against LDAP and lockout of accounts. 515889 SSL VPN web mode has trouble loading internal web application. 525172 A web application accessed through SSL VPN web mode triggers Error 500 on Java server. 530509 Invalid HTTP Request when SMB via SSL VPN bookmark is executed with MS Server 2016, but works fine with MS server 2008R2. 531848 FortiSIEM WebGUI does not load on web portal. 537341 SSL bookmark is not loading SAP portal information. 545177 Web mode fails for SharePoint page. 549654 Citrix bookmarks should be disabled in SSL VPN portal. 549994 SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. 551695 Office365 applications through SSL VPN bookmarks. 555344 Downloading PDF file throigh SSL VPN portal. 555611 SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. 556657 Internal website not working through SSL VPN web mode. 558076 Infirmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. 558080 McAfee ESM 11 display issues in SSL VPN web portal. 558473 For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bbookmark does not load (Secure Connection Failed). 559785 FortiMail login page with SSL VPN portal not displaying correctly. 559785 FortiMail login page access fails using web mode. 56005 SharePoint 2019 page access fails using web mode. | Bug ID | Description |
|---|--------|---|
| Web application is not loading through SSL VPN portal. When SSL VPN receives multiple HTTPS post requests under web filter, read_request_data_f loops even when client is stopped, which causes the SSL VPN process to use 99% of CPU. SSL VPN bad password attempt causes excessive bind requests against LDAP and lockout of accounts. SSL VPN web mode has trouble loading internal web application. SSL VPN web mode has trouble loading internal web application. A web application accessed through SSL VPN web mode triggers Error 500 on Java server. Invalid HTTP Request when SMB via SSL VPN bookmark is executed with MS Server 2016, but works fine with MS server 2008R2. S1848 FortislEM WebGUI does not load on web portal. SSL bookmark is not loading SAP portal information. Web mode fails for SharePoint page. Citrix bookmarks should be disabled in SSL VPN portal. SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split—tunneling—routing—address. SSL VPN web mode SSO doesn't work for some site like FAc login. | 476377 | SSL VPN FortiClient login with FAC user FTM two-factor fail because it times out too fast. |
| When SSL VPN receives multiple HTTPS post requests under web filter, read_request_data_f loops even when client is stopped, which causes the SSL VPN process to use 99% of CPU. 496584 SSL VPN bad password attempt causes excessive bind requests against LDAP and lockout of accounts. 515889 SSL VPN web mode has trouble loading internal web application. 525172 A web application accessed through SSL VPN web mode triggers Error 500 on Java server. 530509 Invalid HTTP Request when SMB via SSL VPN bookmark is executed with MS Server 2016, but works fine with MS server 2008R2. 531848 FortiSIEM WebGUI does not load on web portal. 537341 SSL bookmark is not loading SAP portal information. 545177 Web mode fails for SharePoint page. 549654 Citrix bookmarks should be disabled in SSL VPN portal. 5549994 SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. 551695 Office365 applications through SSL VPN bookmarks. 555344 Downloading PDF file throigh SSL VPN portal. 555611 SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. 1558076 In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. 558473 For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). 559785 FortiMail login page with SSL VPN portal not displaying correctly. 560438 interface subnet object not available in SSL VPN split—tunneling—routing-address. 560505 SharePoint 2019 page access fails using web mode. | 478957 | SSL VPN web portal login history is not displayed if logs are stored in FortiAnalyzer. |
| f loops even when client is stopped, which causes the SSL VPN process to use 99% of CPU. 496584 SSL VPN bad password attempt causes excessive bind requests against LDAP and lockout of accounts. 515889 SSL VPN web mode has trouble loading internal web application. 525172 A web application accessed through SSL VPN web mode triggers Error 500 on Java server. 530509 Invalid HTTP Request when SMB via SSL VPN bookmark is executed with MS Server 2016, but works fine with MS server 2008R2. 531848 FortiSIEM WebGUI does not load on web portal. 537341 SSL bookmark is not loading SAP portal information. 545177 Web mode fails for SharePoint page. 549654 Citrix bookmarks should be disabled in SSL VPN portal. 549994 SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. 551695 Office365 applications through SSL VPN bookmarks. 555344 Downloading PDF file throigh SSL VPN portal. 555611 SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. 556657 Internal website not working through SSL VPN web mode. 558076 In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. 558080 McAfee ESM 11 display issues in SSL VPN web portal. 558473 For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). 559785 FortiMail login page with SSL VPN portal not displaying correctly. 560438 interface subnet object not available in SSL VPN split-tunneling-routing-address. 560505 SharePoint 2019 page access fails using web mode. | 481038 | Web application is not loading through SSL VPN portal. |
| accounts. SSL VPN web mode has trouble loading internal web application. SSL VPN web mode has trouble loading internal web application. A web application accessed through SSL VPN web mode triggers Error 500 on Java server. Invalid HTTP Request when SMB via SSL VPN bookmark is executed with MS Server 2016, but works fine with MS server 2008R2. STAN SSL bookmark is not loading SAP portal information. SSL bookmark is not loading SAP portal information. Web mode fails for SharePoint page. Citrix bookmarks should be disabled in SSL VPN portal. SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. Office365 applications through SSL VPN bookmarks. Downloading PDF file throigh SSL VPN portal. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. SharePoint 2019 page access fails using web mode. SharePoint 2019 page access fails using web mode. | 491733 | |
| A web application accessed through SSL VPN web mode triggers Error 500 on Java server. Invalid HTTP Request when SMB via SSL VPN bookmark is executed with MS Server 2016, but works fine with MS server 2008R2. 531848 FortiSIEM WebGUI does not load on web portal. SSL bookmark is not loading SAP portal information. 545177 Web mode fails for SharePoint page. Citrix bookmarks should be disabled in SSL VPN portal. 549654 Citrix bookmarks should be disabled in SSL VPN portal. 549994 SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. 551695 Office365 applications through SSL VPN bookmarks. 555344 Downloading PDF file throigh SSL VPN portal. 555611 SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. 556657 Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. 558080 McAfee ESM 11 display issues in SSL VPN web portal. 558473 For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). 559171 With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. 560438 interface subnet object not available in SSL VPN split-tunneling-routing-address. 560505 SharePoint 2019 page access fails using web mode. | 496584 | · |
| Invalid HTTP Request when SMB via SSL VPN bookmark is executed with MS Server 2016, but works fine with MS server 2008R2. FortiSIEM WebGUI does not load on web portal. SSL bookmark is not loading SAP portal information. SSL bookmark is not loading SAP portal information. Web mode fails for SharePoint page. Citrix bookmarks should be disabled in SSL VPN portal. SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. SSL VPN web mode set brough SSL VPN bookmarks. Downloading PDF file throigh SSL VPN portal. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 515889 | SSL VPN web mode has trouble loading internal web application. |
| works fine with MS server 2008R2. 531848 FortiSIEM WebGUI does not load on web portal. 537341 SSL bookmark is not loading SAP portal information. 545177 Web mode fails for SharePoint page. 549654 Citrix bookmarks should be disabled in SSL VPN portal. 549994 SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. 551695 Office365 applications through SSL VPN bookmarks. 555344 Downloading PDF file throigh SSL VPN portal. 555611 SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. 556657 Internal website not working through SSL VPN web mode. 558076 In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. 558080 McAfee ESM 11 display issues in SSL VPN web portal. 558473 For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). 559785 FortiMail login page with SSL VPN portal not displaying correctly. 560438 interface subnet object not available in SSL VPN split-tunneling-routing-address. 560505 SharePoint 2019 page access fails using web mode. 560730 SSL VPN web mode SSO doesn't work for some site like FAc login. | 525172 | A web application accessed through SSL VPN web mode triggers Error 500 on Java server. |
| SSL bookmark is not loading SAP portal information. SSL VPN web mode fails for SharePoint page. Citrix bookmarks should be disabled in SSL VPN portal. SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon. Office365 applications through SSL VPN bookmarks. Downloading PDF file throigh SSL VPN portal. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 530509 | • |
| 545177Web mode fails for SharePoint page.549654Citrix bookmarks should be disabled in SSL VPN portal.549994SSL VPN web mode logon page should not show Skip button for remote user with Force password change on next logon.551695Office365 applications through SSL VPN bookmarks.555344Downloading PDF file throigh SSL VPN portal.555611SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4.556657Internal website not working through SSL VPN web mode.558076In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work.558080McAfee ESM 11 display issues in SSL VPN web portal.558473For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed).559171With SSL VPN web mode unable to get dropdown menu from internal web page.559785FortiMail login page with SSL VPN portal not displaying correctly.560438interface subnet object not available in SSL VPN split-tunneling-routing-address.560505SharePoint 2019 page access fails using web mode.560730SSL VPN web mode SSO doesn't work for some site like FAc login. | 531848 | FortiSIEM WebGUI does not load on web portal. |
| Citrix bookmarks should be disabled in SSL VPN portal. SSL VPN web mode logon page should not show <i>Skip</i> button for remote user with <i>Force password change on next logon</i> . Office365 applications through SSL VPN bookmarks. Downloading PDF file throigh SSL VPN portal. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 537341 | SSL bookmark is not loading SAP portal information. |
| SSL VPN web mode logon page should not show <i>Skip</i> button for remote user with <i>Force password change on next logon</i> . Office365 applications through SSL VPN bookmarks. Downloading PDF file throigh SSL VPN portal. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 545177 | Web mode fails for SharePoint page. |
| change on next logon. Office365 applications through SSL VPN bookmarks. Downloading PDF file throigh SSL VPN portal. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 549654 | Citrix bookmarks should be disabled in SSL VPN portal. |
| Downloading PDF file throigh SSL VPN portal. SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 549994 | · · · · · · · · · · · · · · · · · · · |
| SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 551695 | Office365 applications through SSL VPN bookmarks. |
| Internal website not working through SSL VPN web mode. In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 555344 | Downloading PDF file throigh SSL VPN portal. |
| In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 555611 | SSL VPN web mode web forward not working for video camera system after upgrade to 6.0.4. |
| 558080 McAfee ESM 11 display issues in SSL VPN web portal. For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. 560438 interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 556657 | Internal website not working through SSL VPN web mode. |
| For FG-200E, after upgrading from 6.0.4 to 6.2.0, SSL VPN HTTPS bBookmark does not load (Secure Connection Failed). With SSL VPN web mode unable to get dropdown menu from internal web page. FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 558076 | In firmware 6.2.0, RDWeb (Windows Server 2016) via SSL web portal does not work. |
| (Secure Connection Failed). 559171 With SSL VPN web mode unable to get dropdown menu from internal web page. 559785 FortiMail login page with SSL VPN portal not displaying correctly. 560438 interface subnet object not available in SSL VPN split-tunneling-routing-address. 560505 SharePoint 2019 page access fails using web mode. 560730 SSL VPN web mode SSO doesn't work for some site like FAc login. | 558080 | McAfee ESM 11 display issues in SSL VPN web portal. |
| FortiMail login page with SSL VPN portal not displaying correctly. interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 558473 | · · · |
| interface subnet object not available in SSL VPN split-tunneling-routing-address. SharePoint 2019 page access fails using web mode. SSL VPN web mode SSO doesn't work for some site like FAc login. | 559171 | With SSL VPN web mode unable to get dropdown menu from internal web page. |
| 560505 SharePoint 2019 page access fails using web mode. 560730 SSL VPN web mode SSO doesn't work for some site like FAc login. | 559785 | FortiMail login page with SSL VPN portal not displaying correctly. |
| 560730 SSL VPN web mode SSO doesn't work for some site like FAc login. | 560438 | $\verb interface \textbf{subnet object not available in SSL VPN} \verb split-tunneling-routing-address .$ |
| · · | 560505 | SharePoint 2019 page access fails using web mode. |
| The referer header is not correct, and some files are not loaded properly. | 560730 | SSL VPN web mode SSO doesn't work for some site like FAc login. |
| | 560747 | The referer header is not correct, and some files are not loaded properly. |

| SSL VPN doesn't correctly show Windows Admin center application. Connection to internal portal freezes when using SSL VPN web bookmark. Redirect in bookmark is not loading. Object from CARL source not showing through SSL VPN web mode. SSL VPN users create multiple connections. In SSL VPN users create multiple connections. In SSL VPN users create multiple connections. SSL VPN still allows password expired users to change password and get access. SSL VPN banned-cipher SHA256 not completely working. In SSL VPN banned-cipher SHA256 not completely working. In SSL VPN web mode, RDP disconnects when copying long text from remote to local. Internal website using java is not accessed using SSL VPN web mode. Internal website not working through SSL VPN web mode. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN user does not work properly for the website using JavaScript. CMAT application through SSL VPN not working properly. SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. SSL VPN web mode. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. SSL Web portal CSP v3 compatibility issue. Type SSL web portal CSP v3 compatibility issue. SSL Web portal CSP v3 compatibility issue. SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. The SSL VPN connection is being dropped intermittently. The SSL VPN connection is being dropped intermittently. The SSL VPN web mode. | Bug ID | Description |
|--|--------|---|
| Redirect in bookmark is not loading. 564850 Object from CARL source not showing through SSL VPN web mode. 564871 SSL VPN users create multiple connections. 567182 In SSL VPN web mode, videos on internal website won't display. 567626 SSL VPN still allows password expired users to change password and get access. 567628 SSL VPN banned-cipher SHA256 not completely working. 567628 In SSL VPN web mode, RDP disconnects when copying long text from remote to local. 168481 Internal website using java is not accessed using SSL VPN web mode. 568483 Internal website not working through SSL VPN web mode. 568638 Internal website not working through SSL VPN web mode. 569030 SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. 569711 Error for proxy ssh database through SSL VPN. 570445 CMAT application through SSL VPN not working properly. 570620 SSL VPN web mode does not work properly for the website using JavaScript. 57105 NextCloud through SSL VPN behaving strangely. 571479 Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. 571721 Local portal adab-srop-nidm02,intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. 572653 Unable to access Qlik Sense URL via SSL VPN web mode. 573527 SSL web portal CSP v3 compatibility issue. 573527 SSL web portal CSP v3 compatibility issue. 574551 Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 57603 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. | 561585 | SSL VPN doesn't correctly show Windows Admin center application. |
| Object from CARL source not showing through SSL VPN web mode. 564871 SSL VPN users create multiple connections. 567182 In SSL VPN web mode, videos on internal website won't display. 567626 SSL VPN still allows password expired users to change password and get access. 567628 SSL VPN banned-cipher SHA256 not completely working. 567987 In SSL VPN web mode, RDP disconnects when copying long text from remote to local. 568481 Internal website using java is not accessed using SSL VPN web mode. 568483 Internal website not working through SSL VPN web mode. 569030 SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. 569711 Error for proxy ssh database through SSL VPN. 570445 CMAT application through SSL VPN not working properly. 570620 SSL VPN web mode does not work properly for the website using JavaScript. 571005 NextCloud through SSL VPN behaving strangely. 571479 Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. 571721 Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. 572653 Unable to access Qlik Sense URL via SSL VPN web mode. 573527 SSL web portal CSP v3 compatibility issue. 573527 SSL web portal CSP v3 compatibility issue. 574551 Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 576248 Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. 576259 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. | 563147 | Connection to internal portal freezes when using SSL VPN web bookmark. |
| SSL VPN users create multiple connections. In SSL VPN web mode, videos on internal website won't display. SSL VPN still allows password expired users to change password and get access. SSL VPN banned-cipher SHA256 not completely working. In SSL VPN web mode, RDP disconnects when copying long text from remote to local. Internal website using java is not accessed using SSL VPN web mode. Internal website not working through SSL VPN web mode. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. SSU VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. CMAT application through SSL VPN to working properly. CMAT application through SSL VPN not working properly. ST0620 SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. ST1721 Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. SSL web portal CSP v3 compatibility issue. ST2653 Unable to access Qlik Sense URL via SSL VPN web mode. SSL web portal CSP v3 compatibility issue. SSL Web portal CSP v3 compatibility issue. SSL VPN web mode webserver link is not rewritten correctly after login. SSL VPN connection is being dropped intermittently. SSL VPN bookmark or connection tool. SSL VPN web mode VPN portal freezing when opening some websites using JavaScript. | 563798 | Redirect in bookmark is not loading. |
| In SSL VPN web mode, videos on internal website won't display. SSL VPN still allows password expired users to change password and get access. SSL VPN banned-cipher SHA256 not completely working. In SSL VPN web mode, RDP disconnects when copying long text from remote to local. Internal website using java is not accessed using SSL VPN web mode. Internal website not working through SSL VPN web mode. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. CMAT application through SSL VPN not working properly. CMAT application through SSL VPN not working properly. SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Total Local portal adzh-srop-nidm02, intern.cube, ch needs more than 10 min. to load via SSL VPN bookmark. Cannot access Qlik Sense URL via SSL VPN web mode. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. SUppages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. The SSL VPN connection is being dropped intermittently. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 564850 | Object from CARL source not showing through SSL VPN web mode. |
| SSL VPN still allows password expired users to change password and get access. SSL VPN banned-cipher SHA256 not completely working. In SSL VPN web mode, RDP disconnects when copying long text from remote to local. Internal website using java is not accessed using SSL VPN web mode. S68838 Internal website not working through SSL VPN web mode. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. Error for proxy ssh database through SSL VPN. CMAT application through SSL VPN not working properly. SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. ST1721 Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. TX packet drops on ssl.root interface. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. SSL VPN connection is being dropped intermittently. SSL VPN bookmark or connection tool. SSL VPN web mode VPN portal freezing when opening some websites using JavaScript. | 564871 | SSL VPN users create multiple connections. |
| SSL VPN banned-cipher SHA256 not completely working. In SSL VPN web mode, RDP disconnects when copying long text from remote to local. Internal website using java is not accessed using SSL VPN web mode. S68838 Internal website not working through SSL VPN web mode. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. Error for proxy ssh database through SSL VPN. CMAT application through SSL VPN not working properly. SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. Typh bookmark. Typh bookmark. Typacket drops on ssl.root interface. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. SUPPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. SSL VPN connection is being dropped intermittently. The SSL VPN web mode VPN portal freezing when opening some websites using JavaScript. | 567182 | In SSL VPN web mode, videos on internal website won't display. |
| In SSL VPN web mode, RDP disconnects when copying long text from remote to local. Internal website using java is not accessed using SSL VPN web mode. Internal website not working through SSL VPN web mode. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. Error for proxy ssh database through SSL VPN. CMAT application through SSL VPN not working properly. SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. Inable to access Qlik Sense URL via SSL VPN web mode. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. SSL SSL VPN connection is being dropped intermittently. SSL VPN web mode VPN portal freezing when opening some websites using JavaScript. | 567626 | SSL VPN still allows password expired users to change password and get access. |
| Internal website using java is not accessed using SSL VPN web mode. Internal website not working through SSL VPN web mode. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. Error for proxy ssh database through SSL VPN. CMAT application through SSL VPN not working properly. SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. Inable to access Qlik Sense URL via SSL VPN web mode. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. SUbpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. SSL VPN connection is being dropped intermittently. The SSL VPN web mode webserver link is not rewritten correctly after login. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 567628 | SSL VPN banned-cipher SHA256 not completely working. |
| Internal website not working through SSL VPN web mode. SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. Error for proxy ssh database through SSL VPN. CMAT application through SSL VPN not working properly. SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. Unable to access Qlik Sense URL via SSL VPN web mode. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. SUbpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. The SSL VPN web mode webserver link is not rewritten correctly after login. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 567987 | In SSL VPN web mode, RDP disconnects when copying long text from remote to local. |
| SSL VPN tunnel mode can only add split tunneling of user's policy with groups and its users in different SSL VPN policies. Error for proxy ssh database through SSL VPN. CMAT application through SSL VPN not working properly. SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. Cannot access Qlik Sense URL via SSL VPN web mode. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. SSL VPN connection is being dropped intermittently. The SSL VPN web mode webserver link is not rewritten correctly after login. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 568481 | Internal website using java is not accessed using SSL VPN web mode. |
| different SSL VPN policies. 569711 Error for proxy ssh database through SSL VPN. 570445 CMAT application through SSL VPN not working properly. 570620 SSL VPN web mode does not work properly for the website using JavaScript. 571005 NextCloud through SSL VPN behaving strangely. 571479 Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. 571721 Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. 572653 Unable to access Qlik Sense URL via SSL VPN web mode. 573527 SSL web portal CSP v3 compatibility issue. 573853 TX packet drops on ssl.root interface. 574551 Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 575248 Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. 575259 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 568838 | Internal website not working through SSL VPN web mode. |
| 570445 CMAT application through SSL VPN not working properly. 570620 SSL VPN web mode does not work properly for the website using JavaScript. 571005 NextCloud through SSL VPN behaving strangely. 571479 Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. 571721 Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. 572653 Unable to access Qlik Sense URL via SSL VPN web mode . 573527 SSL web portal CSP v3 compatibility issue. 573853 TX packet drops on ssl.root interface. 574551 Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 575248 Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. 575259 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 569030 | |
| SSL VPN web mode does not work properly for the website using JavaScript. NextCloud through SSL VPN behaving strangely. Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. Unable to access Qlik Sense URL via SSL VPN web mode. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. Sylvases on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. SSL VPN connection is being dropped intermittently. The SSL VPN web mode webserver link is not rewritten correctly after login. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 569711 | Error for proxy ssh database through SSL VPN. |
| 571005 NextCloud through SSL VPN behaving strangely. 571479 Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. 571721 Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. 572653 Unable to access Qlik Sense URL via SSL VPN web mode. 573527 SSL web portal CSP v3 compatibility issue. 573853 TX packet drops on ssl.root interface. 574551 Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 575248 Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. 575259 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 570445 | CMAT application through SSL VPN not working properly. |
| Cannot access sub-menus from the internal main website through the bookmark when using SSL VPN web mode. Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. Unable to access Qlik Sense URL via SSL VPN web mode. SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. SSL VPN connection is being dropped intermittently. The SSL VPN web mode webserver link is not rewritten correctly after login. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 570620 | SSL VPN web mode does not work properly for the website using JavaScript. |
| VPN web mode. 571721 Local portal adzh-srop-nidm02.intern.cube.ch needs more than 10 min. to load via SSL VPN bookmark. 572653 Unable to access Qlik Sense URL via SSL VPN web mode. 573527 SSL web portal CSP v3 compatibility issue. 573853 TX packet drops on ssl.root interface. 574551 Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 575248 Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. 575259 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 571005 | NextCloud through SSL VPN behaving strangely. |
| VPN bookmark. 572653 Unable to access Qlik Sense URL via SSL VPN web mode . 573527 SSL web portal CSP v3 compatibility issue. 573853 TX packet drops on ssl.root interface. 574551 Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 575248 Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. 575259 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 571479 | · · · · · · · · · · · · · · · · · · · |
| SSL web portal CSP v3 compatibility issue. TX packet drops on ssl.root interface. Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. SSL VPN connection is being dropped intermittently. The SSL VPN web mode webserver link is not rewritten correctly after login. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 571721 | · · · · · · · · · · · · · · · · · · · |
| 573853 TX packet drops on ssl.root interface. 574551 Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 575248 Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. 575259 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 572653 | Unable to access Qlik Sense URL via SSL VPN web mode . |
| Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. SSL VPN connection is being dropped intermittently. The SSL VPN web mode webserver link is not rewritten correctly after login. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 573527 | SSL web portal CSP v3 compatibility issue. |
| 574724 SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. 575248 Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. 575259 SSL VPN connection is being dropped intermittently. The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 573853 | TX packet drops on ssl.root interface. |
| Synology DSM login page is not displayed when accessed via SSL VPN bookmark or connection tool. SSL VPN connection is being dropped intermittently. The SSL VPN web mode webserver link is not rewritten correctly after login. SSL web mode VPN portal freezing when opening some websites using JavaScript. | 574551 | Subpages on internal websites are not working via SSL VPN web mode (Tunnel mode is OK). |
| tool. 575259 SSL VPN connection is being dropped intermittently. 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 574724 | SSL VPN conserve mode on FWF-30E when FortiGate unit enters memory less than 25%. |
| 576013 The SSL VPN web mode webserver link is not rewritten correctly after login. 578581 SSL web mode VPN portal freezing when opening some websites using JavaScript. | 575248 | |
| SSL web mode VPN portal freezing when opening some websites using JavaScript. | 575259 | SSL VPN connection is being dropped intermittently. |
| · · · · · · · · · · · · · · · · · · · | 576013 | The SSL VPN web mode webserver link is not rewritten correctly after login. |
| The EOASIS website is not displayed properly using SSL VPN web mode. | 578581 | SSL web mode VPN portal freezing when opening some websites using JavaScript. |
| | 580182 | The EOASIS website is not displayed properly using SSL VPN web mode. |

| Bug ID | Description |
|--------|---|
| 580384 | SSL VPN web mode not redirecting URL as expected after successful login. |
| 581863 | Accessing http://nlyte.ote.gr/nlyte/ configured with bookmark name 'NLYTE' not getting authentication page. |
| 582115 | Third-party (Ultimo) web app does not load over SSL VPN web portal. |
| 582161 | Internal web application is not accessable through web SSL VPN. |

Switch Controller

| Bug ID | Description |
|--------|--|
| 557280 | Need to add FSW port information on Security Fabric and device inventory the same as before 6.0.4. |
| 563939 | 802-1X timer reauth-period option 0 doesn't work. |

System

| Bug ID | Description |
|--------|--|
| 423311 | 200E/201E software switch span function does not work. |
| 470875 | OID seems to be COUNTER32 instead of GAUGE32. |
| 498599 | Can't create loopback interface by VDOM admin if there's no physical interface in VDOM. |
| 520283 | Can't show global setting when VDOM admin run exec tac report command. |
| 531675 | SFP ports do not link down when SFP cat5 interface status of FortiGate on the other side goes down. |
| 539970 | Kernel panic on HA pair of 301E. |
| 540083 | Partial traffic outage with softirq on 100%. |
| 545449 | IPinIP traffic over another IPinIP is dropped in NP6-Lite when offloading is enabled. |
| 550206 | Memory (SKB) which is no longer needed is not released in NP6 and NP6lite drivers (100E, 140E, 3600D, 3800D). |
| 551281 | <pre>process_tunnel_timeout_notify:377, send timeout notify message error -1 1 message printed in console.</pre> |
| 556408 | Aggregate link doesn't work for LACP mode active for 60E internal ports but works for wan1 and wan2 combination. |
| 557172 | When there are many application-control based Internet-service entries in SD-WAN, system performance is affected by high CPU usage of softirq. |
| 557527 | FortiGate as L2TP client does not negotiate correctly. |
| 557798 | High memory utilization caused by authd and WAD processes. |

| Bug ID | Description |
|--------|---|
| 559467 | Support four DNS records inside DHCP offer. |
| 560411 | 3980E unresponsive with millions of sessions in TIME_WAIT. |
| 560686 | 4x10G split-port does not work on FG-3700D rev 2. |
| 561097 | SD-WAN rule corrupted on reboot after ISDB update. |
| 561234 | FG-800D shows wrong HA, ALERM LED status. |
| 561929 | REST API cmdb/router/aspath-list is not inserting new values. |
| 562049 | TLS 1.3 resumption and Pre-Shared Key (PSK) fail if Hello Retry Request is received. |
| 563232 | Authorization fails when 0.0.0.0/0 is listed as the trusted host. |
| 563497 | The trust-ip-x feature on interface does not work. |
| 564184 | Split DNS not working. CNAME fails to resolve. |
| 564579 | Updated crash signal 14, object creation not allowed from cli errno=Resource temporarily unavailable. |
| 564911 | DHCPDISCOVERY NATed with TP management IP when sent to NAT VDOM. |
| 565291 | SD-WAN rule doesn't work with nested firewall address group selected as source or destination. |
| 565296 | Wrong configuration transmitted by FOS to FortiManager under certain conditions. |
| 565631 | DHCP relay sessions are removed from the session table after applying any config change. |
| 567487 | CPU goes to 100% when modifying members of an addrgrp object. |
| 567504 | Speed test break the cluster. |
| 568215 | Kernel bug at net/core/skbuff. |
| 569652 | High memory utilization after FortiOS and IPSengine upgrade. |
| 570227 | FortiGate is not selecting an NTP server that has a clock time in the majority clique of other NTP servers. |
| 570575 | PoE ports no longer deliver power. |
| 570834 | STP (Spanning Tree) flapping. |
| 571207 | DHCP with manual address does not provide subnetmask in DHCP ACK. |
| 572411 | Timezone for Canary Islands is missing. |
| 572428 | Ildptx - Application Crashed - Signal 11 Segmentation Fault. |
| 572707 | Configuration is corrupted when restoring a VDOM. |
| 572763 | softirq causing high CPU when session increase in an acceptable way. |
| 573177 | GUI cannot save edits made on replacement messages in a VDOM. When using CLI, user gets logged out while editing. |

| Bug ID | Description |
|--------|--|
| 574086 | Kernel panic occurs after upgrading from 6.2.0 to 6.2.1. |
| 574110 | When adding admin down interface as a member of aggregate interface, it shows up and process the traffic. |
| 574327 | FortiGate CSR traffic to SCEP srv generated from the root VDOM instead of the VDOM we create the CSR. |
| 574991 | FortiGate can't extract the user principal name \mathtt{UPN} from user certificate when certificate contains UPN and additional names. |
| 576063 | Crashlog keeps having cid could not load sigs after FortiGate is authed into FortiManager. |
| 577047 | FortiGate takes a long time to reboot when it has many firewall addresses used in many policies. |
| 577302 | Virtual WAN Link process (vwl) memory usage keeps increasing after upgrading to 6.2.1. |
| 578531 | forticldd deamon resolved mgrctrl1.fortinet.com to wrong IP address. |
| 578746 | FortiGate does not accept FortiManager created country code and causes address install fails. |
| 579524 | DHCP lease is not stable and dhopd process crashes. |
| 580185 | authd4 crashes when deleting a VDOM or rebooting the FortiGate. |
| 580883 | DNS servers acquired via PPPoE in non-management VDOMs are used for DHCP DNS server option 6. |
| 582547 | fgfmsd crash makes connection to FortiManager go down. |

Upgrade

| Bug ID | Description |
|--------|--|
| 550410 | Cannot edit addrgrp which includes wildcardfqdn object after upgrade from v5.6.x. |
| 556002 | Some firewall policies were deleted after upgrade from FOS 6.0.4 to FOS 6.2.0. |
| 558995 | L2 WCCP stops working after upgrade to FOS 6.0.3 or newer. |
| 562444 | The firewall policy with internet-service enabled was lost after upgrade from 6.0.5. |
| 580450 | Policies removed after an upgrade in NGFW Policy Mode: maximum number of entries has been reached. |

User & Device

| Bug ID | Description |
|--------|--|
| 547657 | Disclaimer+Auth Guest portal RADIUS auth failing due to FAC trying to resolve 3rd party websites as access-points. |
| 549394 | fnbamd crashes frequently. |

| Bug ID | Description |
|--------|--|
| 558332 | CoA from FAC is not working for FortiGate wired interface based captive portal. |
| 561289 | User-based Kerberos Authentication not working in new VDOM. |
| 561610 | src-vis process memory leak. |
| 562185 | Disclaimer redirection to IP instead of FQDN results in Certificate/SSL warning. |
| 562861 | RADIUS CoA (disconnect request) not working with use-management-vdom. |
| 567990 | Hard-timeout setting not working for captive portal. |

VM

| Bug ID | Description |
|--------|--|
| 524052 | Application cloudinitd has signal 11 crash on FortiGate-VM64-GCP. |
| 561083 | VPN tunnels not coming up after HA failover in GCP. |
| 561909 | Azure SDN connector try querying invalid FQDN when using Azure Stack Integrated systems. |
| 567137 | VM in Oracle cloud has 100% CPU usage in system space. |
| 570176 | HA cluster multi AZ does not failover IPsec VPN in AWS with TGW. |
| 571652 | OCI SDN connector gets HTTP response err:500 when enabling use-metadata-iam. |
| 573952 | FGT-VM with network driver vmxnet3 has lots of fragments when testing throughput. |
| 575400 | In Azure SDN, the firewall address filter cannot fetch the secondary public and private IP addresses of the NICs. |
| 578727 | FGTVM_OPC unable to failover the route properly during failover. |
| 578966 | OpenStack PCI passthru sub interface VLAN cannot received traffic. |
| 580738 | In the Cluster setup, slave unit can have different fingerprint for the OCI SDN connector, which can cause unit to fail to connect to OCI metatdata server properly. |
| 580911 | EIP assigned to the secondary IP address on the OCI do not 't fail over during HA failover. |
| 577856 | Add missing AWS HA failover error log and set firewall.vip/vip46/vip6/vip64 not sync'ing when cross zone HA is configured. |

VolP

| Bug ID | Description |
|--------|---|
| 570430 | SIP ALG generates a VoIP session with wrong direction. |
| 580588 | SDP information fields are not being natted in Multipart Media Encapsulation traffic. |

WanOpt

| Bug ID | Description |
|--------|---|
| 564290 | FOS can't collaborate web-cache with FortiProxy successfully. |

Web Filter

| Bug ID | Description |
|--------|--|
| 356487 | When central-management is NONE, include-default-servers setting is not honored by rating. |
| 549928 | Block page images not loading for web sites protected by HSTS. |
| 551956 | Proxy web filtering blocks innocent sites due to urlsource="FortiSandBox Block". |
| 565952 | Proxy-based Webfilter breaks WCCP traffic. |

WiFi Controller

| Bug ID | Description |
|--------|--|
| 540027 | FortiWiFi working as client mode cannot see and connect to the hotspot SSID from iOS devices. |
| 569966 | WPA2-Enterprise SSID authentication cannot utilize the source IP setting in RADIUS server configuration. |
| 570745 | FAPs detecting BSSIDs of others FAPs managed by the same WC as Fake-ap-on-air. |
| 573024 | FAP cannot be managed by FortiGate when admin trusthost is configured. |

Common Vulnerabilities and Exposures

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

| Bug ID | CVE references |
|--------|---|
| 569310 | FortiOS 6.2.2 is no longer vulnerable to the following CVE Reference: • CVE-2019-15703 |

The following issues have been identified in version 6.2.2. For inquires about a particular bug or to report a bug, please contact Customer Service & Support.

Data Leak Prevention

| Bug ID | Description |
|--------|--|
| 586689 | Downloading a file with FTP client in EPSV mode will hang. |

DNS Filter

| Bug ID | Description |
|--------|--|
| 586526 | Unable to change DNS filter profile category action after upgrading from 6.0.5 to 6.2.0. |

FortiView

| Bug ID | Description |
|--------|--|
| 582341 | Fortiview > policies: Consolidate policy without name and tooltips, Security policy with tooltips are not working. |

GUI

| Bug ID | Description |
|--------|--|
| 282160 | GUI does not show byte info for aggregate and VLAN interface. |
| 438298 | When VDOM is enabled, the interface faceplate should only show data for interfaces managed by the admin. |
| 480731 | Interface filter get incorrect result (EMAC VLAN, VLAN ID, etc.) when entries are collapsed. |
| 510685 | Hardware Switch Row is shown, indicating a number of interfaces but without any interfaces below. |
| 514632 | Inconsistent Refent value in GUI when using ports in HA session-sync-dev. |
| 535099 | GUI should add support for new MAC address filter in SSID dialog page. |
| 537307 | Gets "Fail to retrieve info" for ha-mgmt-interface on GUI > interface page. |
| 540098 | GUI does not display the status for VLAN and loopback under status column at Network > interfaces. |
| 541042 | Log viewer Forward Traffic cannot support double negate filter (client side issue). |
| 542544 | In Log & Report, filtering for blank values (None) always show no results. |

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| Bug ID | Description |
|--------|---|
| 553290 | The tooltip of VLAN interface displays Failed to retrieve info on GUI. |
| 557786 | GUI response is very slow when accessing IPSec-Monitor (api/v2/monitor/vpn/ipsec is taking a long time). |
| 559866 | When sending CSF proxied request, segfault happens (httpsd crashes) if FortiExplorer accesses root FortiGate via management tunnel. |
| 565748 | New interface pair consolidated policy added via CLI is not displayed on GUI policy page. |
| 573456 | FortiGate without disk Email Alert Settings page should remove Disk usage exceeds option. |
| 574101 | Empty firmware version in managed FortiSwitch from FortiGate GUI. |
| 579711 | An error occurs while running Security Rating. |
| 583049 | Internal Server Error while trying to create new interface. |
| 584939 | VPN event logs shows incorrectly when adding two action filters and if the filter action filter contains "-". |
| 586604 | No matching IPS signatures are found when the Severity or Target filters are applied. |
| 586749 | Enable/Disable <i>Disarm and Reconstruction</i> on GUI only takes effect on SMTP protocol in AV profile. |

НΑ

| Bug ID | Description |
|--------|---|
| 479780 | Slave fails to send and receive HA heartbeat on config cfg-revert setting on FGT2500E. |
| 575020 | HA failing config sync on VM01 with error (slave and master have different hdisk status) when master is pre-configured. |
| 581906 | HA slave sending out GARP packets in 16-20 seconds after HA monitored interface failed. |
| 586004 | Moving VDOM via GUI between virtual clusters causes cluster to go out of sync but VDOM state work/standby doesn't change. |
| 588908 | FG-3400E hasync reports the "Network is unreachable". |

IPsec VPN

| Bug ID | Description |
|--------|---|
| 582251 | IKEv2 with eap auth peerid validation doesn't work. |

Proxy

| Bug ID | Description |
|--------|---|
| 573028 | WAD crashes causing traffic interruption. |
| 575224 | WAD - high memory usage from worker process causing conserve mode and traffic issues. |

REST API

| Bug ID | Description |
|--------|--|
| 584631 | REST API admin with token unable to configure HA setting (via login session can work). |

Security Fabric

| Bug ID | Description |
|--------|---|
| 578268 | Downstream device shows offline. |
| 586587 | Security Fabric widget keep loading when FortiSwitch is in a loop or two FortiSwitches are in mclag mode. |
| 587758 | Invalid CIDR format shows as valid by Security Fabric threat feed. |
| 588262 | IP address threat feed fabric connector not working. |

SSL VPN

| Bug ID | Description |
|--------|--|
| 505986 | On IE 11, SSL VPN web portal displays blank page title {{::data.portal.heading}} after authentication. |
| 563022 | SSL VPN LDAP group object matching only matches the first policy, isn't 't consistent with normal firewall policy. |
| 585754 | An SSL VPN bookmark failed to load the GUI of proxmox GUI interface. |

Switch Controller

| Bug ID | Description |
|--------|--|
| 581370 | FortiSwitch managed by FortiGate not updating RADIUS settings and user group in the FortiSwitch. |
| 586299 | Adding factory-reset device to HA fails with switch-controller. qos settings in root. |

System

| Bug ID | Description |
|--------|---|
| 464340 | EHP drops for units with no NP_SERVICE_MODULE. |
| 484749 | TCP traffic with tcp_ecn tag cannot go through ipip IPv6 tunnel with NP6 offload enabled. |
| 555616 | TCP packets send wrong interface and high CPU. |
| 562212 | Management tunnel to devices goes down and cannot reclaim tunnel; so policy pushes get stuck. |
| 570759 | RX/TX counters for VLAN interfaces based on LACP interface are 0. |

| Bug ID | Description |
|--------|--|
| 573973 | ASIC offloading sessions sticking to interfaces after SD-WAN SLA interface selection. |
| 575013 | Errors in the FortiGate's CLI 8 debug, when FortiManager is obtaining the HA status and mgmt-data status, if ha-mgmt-status enabled. |
| 581998 | Session clash event log found on FG-6500F when passing a lot of same source IP ICMP traffic over Load balance VIP. |
| 586301 | GUI cannot show default Fortinet logo for replacement messages. |
| 589234 | system local dns instead of DNS setting acquired from upstream DHCP server was assigned to client under management-vdom. |

User & Device

| Bug ID | Description |
|--------|---|
| 569062 | fnbamd takes high CPU usage and user cannot authenticate. |

VΜ

| Bug ID | Description |
|--------|--|
| 579013 | FortiGate HA failover fails in Azure stack due to invalid authentication token tenant. |
| 579708 | Should replace GUI option to register to FortiCare from AWS PAYG with link to portal for registration. |
| 587180 | FGTVM64_KVM is unable to boot up properly when doing a hard reboot with the host. |
| 587757 | FG-VM image unable to be deployed on AWS with additional disk of type HDD(st1). |
| 588436 | Azure SDN connector unable to connect to Azure Kubernetes integrated with AAD. |

WiFi Controller

| Bug ID | Description |
|--------|--|
| 555659 | When FAP is managed across VDOM links, WiFi client can't join SSID when auto-asic-offload is enabled. |
| 572350 | FortiOS GUI cannot support FAP-U431F and FAP-U433F profiles. Workaround: Edit the wtp-profile for FAP-U431F and FAP-U433F in the CLI. |

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.





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