



FortiClient (Windows) - Release Notes

Version 6.0.9

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FortiClient (Windows) 6.0.9 Release Notes

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TABLE OF CONTENTS

| | |
|-----------------------------------------------------|-----------|
| Introduction | 4 |
| Licensing | 4 |
| Standalone mode | 4 |
| Managed mode | 4 |
| Special notices | 6 |
| Nested VPN tunnels | 6 |
| Microsoft Windows Server support | 6 |
| FortiClient Rebranding Tool not supported | 6 |
| HP Velocity and Application Firewall | 6 |
| Installation information | 7 |
| Firmware images and tools | 7 |
| Installation options | 7 |
| Upgrading from previous FortiClient versions | 8 |
| Downgrading to previous versions | 8 |
| Firmware image checksums | 8 |
| Product integration and support | 9 |
| FortiClient 6.0.9 support information | 9 |
| Language support | 10 |
| Conflicts with third party antivirus products | 11 |
| Resolved issues | 12 |
| Malware Protection | 12 |
| Remote Access | 12 |
| GUI | 12 |
| Install and upgrade | 12 |
| Other | 13 |
| Known issues | 14 |
| Endpoint control | 14 |
| Malware Protection | 14 |
| Remote Access | 14 |
| Vulnerability Scan | 14 |
| Install and upgrade | 15 |
| Other | 15 |
| Change log | 16 |

Introduction

This document provides a summary of enhancements, support information, and installation instructions for FortiClient (Windows) 6.0.9 build 0277.

- [Special notices on page 6](#)
- [Installation information on page 7](#)
- [Product integration and support on page 9](#)
- [Resolved issues on page 12](#)
- [Known issues on page 14](#)

Review all sections prior to installing FortiClient.

Licensing

FortiClient offers two licensing modes:

- Standalone mode
- Managed mode

Standalone mode

In standalone mode, FortiClient is not connected to a FortiGate or FortiClient Enterprise Management Server (EMS). In this mode, FortiClient is free for private individuals and commercial businesses to use. No license is required.



Support for FortiClient in standalone mode is provided on the Fortinet Forums (forum.fortinet.com). Phone support is not provided.

Managed mode

Companies with large installations of FortiClient usually need a means to manage their endpoints. EMS can be used to provision and centrally manage FortiClient endpoints, and FortiGate can be used with FortiClient endpoints for network security. Each FortiClient endpoint can connect to a FortiGate or an EMS. In this mode, FortiClient licensing is applied to the FortiGate or EMS. No separate license is required on FortiClient itself.



When using the ten free trial licenses for FortiClient in managed mode, support is provided on the [Fortinet Forums](#). Phone support is not provided when using the free trial licenses. Phone support is provided for paid licenses.

FortiClient licenses on the FortiGate

FortiGate 30 series and higher models include a FortiClient free trial license for ten connected FortiClient endpoints. For additional connected endpoints, you must purchase a FortiClient license subscription. Contact your Fortinet sales representative for information about FortiClient licenses.

FortiClient licenses on the EMS

EMS includes a FortiClient free trial license for ten connected FortiClient endpoints for evaluation. For additional connected endpoints, you must purchase a FortiClient license subscription. Contact your Fortinet sales representative for information about FortiClient licenses.

Special notices

Nested VPN tunnels

FortiClient (Windows) does not support parallel, independent VPN connections to different sites. However, you may still establish FortiClient VPN connection over existing third-party (for example, AT&T Client) VPN connection (nested tunnels).

Microsoft Windows Server support

FortiClient (Windows) supports the AV and Vulnerability Scan features for Microsoft Servers.

FortiClient Rebranding Tool not supported

FortiClient (Windows) 6.0.9 does not support the FortiClient Rebranding Tool.

HP Velocity and Application Firewall

When using an HP computer, a conflict between the HP Velocity application and FortiClient Application Firewall can cause a blue screen of death or network issues. If not using HP Velocity, consider uninstalling it.

Installation information

Firmware images and tools

The following files are available in the firmware image file folder:

| File | Description |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FortiClientSetup_6.0.9.xxxx.exe | Standard installer for Microsoft Windows (32-bit) |
| FortiClientSetup_6.0.9.xxxx.zip | Zip package containing FortiClient.msi and language transforms for Microsoft Windows (32-bit). You can customize some of the MSI package's properties with FortiClient Configurator Tool. |
| FortiClientSetup_6.0.9.xxxx_x64.exe | Standard installer for Microsoft Windows (64-bit) |
| FortiClientSetup_6.0.9.xxxx_x64.zip | Zip package containing FortiClient.msi and language transforms for Microsoft Windows (64-bit). You can customize some of the MSI package's properties with FortiClient Configurator Tool. |
| FortiClientTools_6.0.9.xxxx.zip | Zip package containing miscellaneous tools, including VPN automation files. |

The following tools and files are available in the FortiClientTools_6.0.9.xxxx.zip file:

| File | Description |
|-------------------------|-----------------------------------------------------------------------------------|
| FortiClientVirusCleaner | Virus cleaner |
| OnlineInstaller | This file downloads and installs the latest FortiClient file from the public FDS. |
| SSLVPNcmdline | Command line SSL VPN client |
| SupportUtils | Includes diagnostic, uninstallation, and reinstallation tools |
| VPNAutomation | VPN automation tool |



Review the following sections prior to installing FortiClient 6.0.9: [Introduction on page 4](#), [Special notices on page 6](#), and [Product integration and support on page 9](#).

Installation options

When installing FortiClient version 6.0.9, you can choose the setup type that best suits your needs. FortiClient always installs the Fortinet Security Fabric Agent (SFA) feature and enables the Vulnerability Scan feature by default. You can

select to install one or more of the following options:

- Secure Remote Access: VPN components (IPsec and SSL) will be installed.
- Advanced Persistent Threat (APT) Components: FortiSandbox detection and quarantine features will be installed.
- Additional Security Features: Select one or more of the following to install them: AntiVirus, Web Filtering, Single Sign On, Application Firewall



It is recommended to not install VPN components on Windows Server systems if not required.

Upgrading from previous FortiClient versions

FortiClient version 6.0.9 supports upgrade from FortiClient versions 5.4 and later.

If you are deploying an upgrade from FortiClient 5.6.2 or earlier versions via FortiClient EMS and the upgrade fails, uninstall FortiClient on the endpoints, then deploy the latest version of FortiClient.

Downgrading to previous versions

Downgrading FortiClient version 6.0.9 to previous FortiClient versions is not supported.

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the [Customer Service & Support portal](#). After logging in, click on *Download > Firmware Image Checksums*, enter the image file name, including the extension, and select *Get Checksum Code*.

Product integration and support

FortiClient 6.0.9 support information

The following table lists version 6.0.9 product integration and support information:

| | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Desktop operating systems | <ul style="list-style-type: none">• Microsoft Windows 7 (32-bit and 64-bit)• Microsoft Windows 8, 8.1 (32-bit and 64-bit)• Microsoft Windows 10 (32-bit and 64-bit) <p>FortiClient 6.0.9 does not support Microsoft Windows XP and Microsoft Windows Vista.</p> |
| Server operating systems | <ul style="list-style-type: none">• Microsoft Windows Server 2008 R2 or newer <p>FortiClient 6.0.9 does not support Windows Server Core.</p> |
| Minimum system requirements | <ul style="list-style-type: none">• Microsoft Windows-compatible computer with Intel processor or equivalent• Compatible operating system and minimum 512 MB RAM• 600 MB free hard disk space• Native Microsoft TCP/IP communication protocol• Native Microsoft PPP dialer for dialup connections• Ethernet network interface controller (NIC) for network connections• Wireless adapter for wireless network connections• Adobe Acrobat Reader for viewing FortiClient documentation• Windows Installer MSI installer version 3.0 or later |
| FortiAnalyzer | <ul style="list-style-type: none">• 6.2.0 and later• 6.0.0 and later• 5.6.0 and later |
| FortiAuthenticator | <ul style="list-style-type: none">• 4.3.1• 4.3.0• 4.2.1 <p>FortiClient (Windows) does not support FortiToken Mobile push notification for the following versions:</p> <ul style="list-style-type: none">• 4.2.0• 4.1.0 and later• 3.3.0 and later• 3.2.0 and later• 3.1.0 and later• 3.0.0 and later |
| FortiClient EMS | <ul style="list-style-type: none">• 6.2.0 and later• 6.0.0 and later |
| FortiManager | <ul style="list-style-type: none">• 6.2.0 and later• 6.0.0 and later• 5.6.0 and later |

FortiOS

- 6.0.0 and later
- 5.6.0 and later

FortiClient (Windows) only supports IPsec VPN and SSL VPN with the following FortiOS versions:

- 6.2.0 and later
- 5.4.0 and later

FortiSandbox

- 3.1.0 and later
- 3.0.0 and later
- 2.5.0 and later

FortiClient (Windows) does support the following version, but you may need to disable FortiClient authorization. To disable authorization, run the `device-authorization -f` command in the FortiSandbox CLI.

- 2.4.0 and later

The following supported versions do not offer FortiClient authorization:

- 2.3.0 and later
- 2.2.0 and later
- 2.1.0

Language support

The following table lists FortiClient language support information.

| Language | Graphical user interface | XML configuration | Documentation |
|-----------------------|--------------------------|-------------------|---------------|
| English | Yes | Yes | Yes |
| Chinese (simplified) | Yes | | |
| Chinese (traditional) | Yes | | |
| French (France) | Yes | | |
| German | Yes | | |
| Japanese | Yes | | |
| Korean | Yes | | |
| Portuguese (Brazil) | Yes | | |
| Russian | Yes | | |
| Spanish (Spain) | Yes | | |

The FortiClient language setting defaults to the regional language setting configured on the client workstation, unless configured in the XML configuration file.



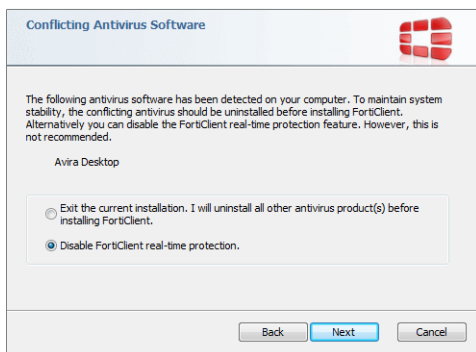
If the client workstation is configured to a regional language setting that FortiClient does not support, FortiClient defaults to English.

Conflicts with third party antivirus products

The antivirus feature in FortiClient is known to conflict with other similar products in the market.

- FortiClient's antivirus feature should not be used with other AV products.
- If not using FortiClient's antivirus feature, the FortiClient installation folder should be excluded from scanning for the third party AV product.

During a new installation of FortiClient, the installer will search for other registered third party software and, if any is found, warn users to uninstall them before proceeding with the installation. There is also an option to disable FortiClient Real Time Protection (RTP).



Resolved issues

The following issues have been fixed in version 6.0.9. For inquiries about a particular bug, contact [Customer Service & Support](#).

Malware Protection

| Bug ID | Description |
|--------|-------------------------------------------------------|
| 580604 | AV causes PC to become unusable when opening Outlook. |

Remote Access

| Bug ID | Description |
|--------|------------------------------------------------------------|
| 571989 | Display issues when connecting to VPN. |
| 571992 | Unable to connect to VPN with saved username. |
| 576712 | VPN before login feature does not work on Windows 10 LTSC. |

GUI

| Bug ID | Description |
|--------|-------------------------------------------------------------------|
| 580306 | Failure to open avatar page after connecting to LinkedIn account. |

Install and upgrade

| Bug ID | Description |
|--------|--------------------------------------------------------------------|
| 587100 | Error when installing FortiClient (Windows) because of .NET issue. |

Other

| Bug ID | Description |
|--------|------------------------------------------------------------------------------|
| 571597 | GPO update fails due to FortiShield blocking modification of a registry key. |
| 554911 | Missing FortiClient (Windows) logs on FortiAnalyzer. |

Known issues

The following issues have been identified in FortiClient (Windows) 6.0.9. For inquiries about a particular bug or to report a bug, contact [Customer Service & Support](#).

Endpoint control

| Bug ID | Description |
|--------|------------------------------------------|
| 586894 | FortiESNAC.exe high memory usage. |
| 587657 | FCDBLog and FortiESNAC causing high CPU. |

Malware Protection

| Bug ID | Description |
|--------|----------------------------------------------------------------|
| 535604 | AntiExploit causes application crashing without block message. |

Remote Access

| Bug ID | Description |
|--------|--------------------------------------------------------------------------------------|
| 538024 | FortiClient (Windows) loses DNS settings after disconnecting IPsec VPN. |
| 551754 | <i>VPN connection failed</i> error when switching between offnet and onnet networks. |

Vulnerability Scan

| Bug ID | Description |
|--------|--------------------------------------------------------------------------------------------|
| 537016 | Vulnerability Scan does not always scan on next startup if off during scheduled scan time. |

Install and upgrade

| Bug ID | Description |
|--------|----------------------------------------------------------------------------------------------|
| 554998 | FortiClient (Windows) local records are removed after EMS deploys new FortiClient (Windows). |

Other

| Bug ID | Description |
|--------|----------------------------------------------|
| 534194 | fcdblog rewrites hosts file without changes. |

Change log

| Date | Change Description |
|------------|--------------------|
| 2019-11-13 | Initial release. |
| | |
| | |



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