Release Notes

McAfee VirusScan Enterprise 8.8.0 Patch 9
For use with McAfee ePolicy Orchestrator

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About this release
This document contains important information about the current release. We strongly recommend that you read the entire document.

Critical
On systems running Windows 10 Creators Update with Device Guard enabled, you must install Microsoft KB4016251 before installing this patch. For information about how this issue affects McAfee products, see KB89029.

Release build — 8.8.0.1804
Package date — March 30, 2017

Purpose
This release of McAfee® VirusScan® Enterprise contains several improvements and fixes.
We strongly recommend that you verify this update in test and pilot groups prior to mass deployment.
Rating — High Priority

<table>
<thead>
<tr>
<th>Mandatory</th>
<th>Critical</th>
<th>High Priority</th>
<th>Recommended</th>
</tr>
</thead>
</table>

- High priority for all environments.
- Failure to apply a High Priority update might result in potential business impact.
- Most patches and hotfixes are considered High Priority.

For more information, see KB51560.

Important notes about this release

- **Full installation Patch 9** package for Windows — Includes full installation for new systems.
- The management packages for McAfee® ePolicy Orchestrator® (McAfee® ePO®) are included in the repost packages:
  - **Patch Extension** for VirusScan Enterprise VIRUSCAN800(548).zip
  - **Patch Reports** for VirusScan Enterprise VIRUSCANREPORTS120(346).zip

For a list of supported environments and the latest information for VirusScan Enterprise 8.8.0 Patch 9 on Microsoft Windows, see KB51111.

New features

The current release of the product includes these new features.

**Support for Windows 10 Creators Update**

For information about Windows 10 compatibility with McAfee products, see KB85784.

**Enhanced Self Protection rules**

This release improves Self Protection by introducing additional validation checks for McAfee and Microsoft processes. New Self Protection rules contain third-party processes that are excluded in the original Access Protection rules. If you enable blocking for these Self Protection rules, first review the rules to make sure that none of the processes are running in your environment. For more information, see KB88263.

Create additional debug logging reports

From McAfee ePO, use the new **Logger Settings** located in **General Options Policies** to generate additional debug logging reports on client systems. Use this setting only for troubleshooting because it might impact performance.

Selecting **Enable logging** generates these additional events in the logs:

- Enable or disable the enhanced Self Protection rules Arbitrary Access Control policy
- Start, stop, or recover from an unexpected shutdown of the McAfee Task Manager

**Updated components**

- McAfee Agent 5.0.5.658
- VSCAN.bof 750
Resolved issues

The current release of the product resolved these issues. For a list of issues fixed in earlier releases, see the Release Notes for the specific release.

- **Patch 8** — PD26631
- **Patch 7** — PD26382
- **Patch 6** — PD26069
- **Patch 5** — PD25913
- **Patch 4** — PD24834
- **Patch 3** — PD24224
- **Patch 2** — PD23934
- **Patch 1** — PD23408

<table>
<thead>
<tr>
<th>Reference</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>941388</td>
<td>The default AutoUpdate task is now successfully enabled or disabled based on the policy that was sent from McAfee ePO.</td>
</tr>
<tr>
<td>1124029</td>
<td>The VirusScan Enterprise Outlook plug-in no longer prevents new emails from being sent or received when custom scripts are running in Outlook 2010.</td>
</tr>
<tr>
<td>1127379</td>
<td>Lightweight Directory Access Protocol (LDAP) communications no longer increase when scanning Information Rights Management (IRM) protected files after updating to the 5800 Scan Engine.</td>
</tr>
<tr>
<td>1144892</td>
<td>Access Protection rules now correctly protect targets in Program Files and Program files (x86), and no longer protect unintended paths.</td>
</tr>
<tr>
<td>1146681</td>
<td>Blue screens no longer occur when accessing exFAT-formatted removable media encrypted with File &amp; Removable Media Protection.</td>
</tr>
<tr>
<td>1150270</td>
<td>Systems no longer hang due to McShield reporter threads prematurely exiting.</td>
</tr>
<tr>
<td>1153943</td>
<td>From the Help, selecting <strong>Submit a Sample Page</strong> now successfully opens the correct page.</td>
</tr>
<tr>
<td>1155750</td>
<td>Changes to Arbitrary Access Control allow System Restore Points to successfully load.</td>
</tr>
<tr>
<td>1157106</td>
<td>mcupdate.exe no longer generates a session 0 error dialog box, causing the installation to hang.</td>
</tr>
<tr>
<td>1160899</td>
<td>This release removes unnecessary access calls, reducing the amount of time it takes to install VirusScan Enterprise.</td>
</tr>
<tr>
<td>1161216</td>
<td>Random blue screens no longer occur on systems with more than 10 McAfee products installed, and the mfheidk.sys reference count now resets to 0 after a product is installed.</td>
</tr>
<tr>
<td>1161386</td>
<td>COMODO RSA Code Signing CA and VeriSign Class 3 Code Signing 2010 CA certificates now correctly install in the Intermediate Certification Authorities location.</td>
</tr>
<tr>
<td>1161468</td>
<td>Upgrading from Patch 3 and earlier is no longer supported.</td>
</tr>
<tr>
<td>1161471</td>
<td>Access Protection no longer creates false reports against a rule that is disabled for reporting.</td>
</tr>
<tr>
<td>1162190</td>
<td>Systems with clusters running Windows Storage Server no longer cause a blue screen (bugcheck 7E) in the mfehidk.sys driver.</td>
</tr>
<tr>
<td>1165693</td>
<td>Self Protection no longer blocks Sysprep, allowing systems to successfully complete the configuration.</td>
</tr>
<tr>
<td>1173168</td>
<td>The VirusScan Enterprise tray icon now closes when the McAfee Agent tray icon is running.</td>
</tr>
<tr>
<td>1173314</td>
<td>MFEANN.exe now automatically restarts if it unexpectedly closes.</td>
</tr>
<tr>
<td>1174550</td>
<td>Blue screens no longer occur when the ScriptScan COM object is enabled and Internet Explorer starts.</td>
</tr>
<tr>
<td>1178550</td>
<td>Events from devices that report merged IP4 and IPv6 addresses now correctly parse and send to the McAfee ePO database.</td>
</tr>
<tr>
<td>1180207</td>
<td>Files that contain a malformed data stream no longer cause on-demand scans to crash.</td>
</tr>
</tbody>
</table>
Installation instructions

Use these instructions to install, verify, or remove this VirusScan Enterprise Patch release.

On systems running Windows 10 Creators Update with Device Guard enabled, you must install Microsoft KB4016251 before installing this patch. For information about how this issue affects McAfee products, see KB89029.

This release of VirusScan Enterprise supports in-place operating system upgrades from Windows 7, 8, and 8.1 to Windows 10 RTM (10.0.10240), Windows 10 1511 (10.0.10586), Windows 10 1607 (10.0.14393), and Windows 10 1703 (10.0.15063).

Product compatibility tested

VirusScan Enterprise Patch 9 has been extensively tested to be compatible with our McAfee products, including the following product versions.

<table>
<thead>
<tr>
<th>Products</th>
<th>Versions</th>
</tr>
</thead>
<tbody>
<tr>
<td>McAfee® Active Response</td>
<td>1.1.0</td>
</tr>
<tr>
<td>McAfee® Agent</td>
<td>4.8 Patch 3, 5.0.2 Patch 2 Hotfix 1091027 or later, 5.0.3, 5.0.4, 5.0.5</td>
</tr>
<tr>
<td>McAfee® Application Control</td>
<td>8.0.0</td>
</tr>
<tr>
<td>McAfee® Change Control</td>
<td>8.0.0</td>
</tr>
<tr>
<td>McAfee® Client Proxy</td>
<td>1.2.0, 2.1.2, 2.3.0</td>
</tr>
<tr>
<td>McAfee® Data Exchange Layer (DXL)</td>
<td>2.2, 3.0, 3.1.0</td>
</tr>
<tr>
<td>McAfee® Data Loss Prevention (McAfee DLP)</td>
<td>9.4.0, 10.0.0</td>
</tr>
<tr>
<td>McAfee® Drive Encryption</td>
<td>7.1.3</td>
</tr>
<tr>
<td>McAfee® ePolicy Orchestrator® (McAfee® ePO®)</td>
<td>5.1.1, 5.1.3, 5.3.1, 5.9</td>
</tr>
<tr>
<td>McAfee® Host Intrusion Prevention</td>
<td>8.0 Patch 7, 8.0 Patch 8, 8.0 Patch 9</td>
</tr>
<tr>
<td>McAfee® SiteAdvisor® Enterprise</td>
<td>3.5 Patch 3, 3.5 Patch 4, 3.5 Patch 5</td>
</tr>
<tr>
<td>McAfee® Threat Intelligence Exchange module for VirusScan Enterprise</td>
<td>1.0.1, 1.0.2</td>
</tr>
</tbody>
</table>

Recommended upgrade paths

Your upgrade path depends on which products and versions you have in your environment. For information about supported upgrade paths for VirusScan Enterprise, see KB87328.

For example, review VirusScan Enterprise upgrade considerations with different versions of McAfee Agent.

Requirements

Make sure that your system meets these requirements before installing the software.

Unsupported platforms

We do not support the automatic upgrade of a pre-release or beta software version. To upgrade to a production release of the software, uninstall the pre-release or beta version.
Windows XP, Windows Server 2003, and Windows Server 2003 R2 are no longer supported with Patch 8 and later.

Windows versions in the Microsoft Lifecycle Support policy that are beyond the Mainstream Support Phase and Extended Support Phase are also no longer supported by VirusScan Enterprise. For operating system compatibility, see KB51111.

VirusScan Enterprise 8.8.0 Patch 9 can't be installed on a system that has McAfee Endpoint Security installed.

**Supported VirusScan Enterprise releases**

Patch 9 release works with the following VirusScan Enterprise releases.

<table>
<thead>
<tr>
<th>Package</th>
<th>VirusScan Enterprise version</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patch</td>
<td>VirusScan Enterprise 8.8.0</td>
<td>Update DAT files to the latest version before installing VirusScan Enterprise 8.8.0 Patch 9. Uninstall VirusScan Enterprise 8.8.0 and reinstall with the <strong>Full installation Patch 9</strong> package.</td>
</tr>
<tr>
<td></td>
<td>Patch 8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VirusScan Enterprise 8.8.0</td>
<td></td>
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<tr>
<td></td>
<td>Patch 7</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VirusScan Enterprise 8.8.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Patch 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VirusScan Enterprise 8.8.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Patch 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VirusScan Enterprise 8.8.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Patch 4</td>
<td></td>
</tr>
<tr>
<td>Full</td>
<td></td>
<td></td>
</tr>
<tr>
<td>installation</td>
<td>New system installations</td>
<td></td>
</tr>
</tbody>
</table>

**Supported McAfee Agent versions**

- **McAfee Agent 4.8**: Patch 3 (4.8.0.1938) or later
- **McAfee Agent 5.0**: Patch 2 Hotfix 1091027 (5.0.2.188) or later

See KB51111 for information about other supported versions of McAfee Agent. Also see KB87328 for important upgrade information.

**McAfee DAT Reputation mandatory upgrade to version 1.0.4**

Before installing VirusScan Enterprise 8.8.0 Patch 9 on a system with McAfee DAT Reputation installed, you must upgrade to McAfee DAT Reputation version 1.0.4. For more information, see KB85648.

**McAfee Application Control and McAfee Change Control**

Due to a product incompatibility, before installing VirusScan Enterprise 8.8.0 Patch 9 on a system with the McAfee Application Control or McAfee Change Control products installed, you must install a hotfix. For information about which hotfix to install, see KB86141.
**Minimum versions**

- **Scan Engine**: 5800.7501
- **Detection Definitions (DAT)**: 8350++
  
  Update DAT files to the latest version before installing this patch.

**Microsoft Windows service dependencies**

McAfee Endpoint Security products have some Microsoft Windows service dependencies. See KB85374 for information.

**Install the product directly on a client system**

You must install the product on the client system so it can be managed by McAfee ePO. For more information, see the *McAfee VirusScan Enterprise Installation Guide*.

![Best practice: Restart the client system after installing this release of the product.](image)

**Task**

1. Download the package and extract the patch files to a temporary folder on your hard drive.
2. Double-click the Setup.exe file in the temporary folder created in Step 1.
   - **Patch** — Double-click *Setup.exe*.
   - **Full installation** — Double-click *SetupVSE.exe*.
3. Follow the installation wizard instructions.

**Install the extensions on McAfee ePO**

Install the VirusScan Enterprise extension and reports from the package .zip file on the McAfee ePO server.

**Before you begin**

Before installing this patch, review KB84087.

See the topic about bringing products under management in the McAfee ePO Help.

**Task**

For details about product features, usage, and best practices, click ? or Help.

1. In McAfee ePO, select **Menu | Software | Extensions**.
2. Click **Install Extension**.
3. Browse to and select the package .zip file, then click **OK**. This process might take several minutes to complete.
4. Verify that the product name appears in the **Extensions** list.

**Deploy the product from McAfee ePO**

Deploy this patch to client systems using McAfee ePO. For more information, see the *McAfee VirusScan Enterprise Installation Guide*.

![Best practice: Restart the client system after installing this release of the product.](image)
Task
For details about product features, usage, and best practices, click ? or Help.

1 Check in the package to the McAfee ePO Master Repository:
   a Select Menu | Software | Master Repository, then click Check In Package.
   b Select the Product or Update (ZIP) package type.
   c Click Choose File and select the VirusScan Enterprise .zip file.
      This process might take several minutes to complete.
      See the topic about checking in packages manually in the McAfee ePO Help.

2 Deploy the package to the client systems: use a McAfee Agent Product Deployment client task.
   • Patch — Use a McAfee Agent Product Update client task.
   • Full installation — Use a McAfee Agent Product Deployment client task.

Verify the client installation
After installing VirusScan Enterprise Patch 9, verify that the product installed correctly on the client system.

Before you begin
You must restart the client system before validating that the installation is successfully installed.

Task
• Check any of the following items:
  • After McAfee Agent collects property information, the client system details display the patch version.
  • On the client system, check for a registry key entry Patch_9 in HKey_Local_Machine\Software \McAfee\DesktopProtection.
     On a 64-bit system, this entry might be located in HKey_Local_Machine\Software \Wow6432Node\McAfee\DesktopProtection.
  • Confirm that the expected files are installed by checking the version number of individual files. File versions must match the list of files in File inventory.

If an error occurred during installation or if a file did not install correctly, releases are not displayed or do not report being installed.

File inventory
• VirusScan Enterprise 8.8.0.1804
• VSCore 15.6.0.1551
• SYSCore 15.6.0.1870
• Management extension 8.8.0.548
• Reporting extension 1.2.0.346
Remove installation files

Remove the patch installation files using Programs and Features in the Control Panel.

**Before you begin**

You must have administrative rights to the local system.

For information about removing the VirusScan Enterprise product, see the *McAfee VirusScan Enterprise Installation Guide*.

❗ Removing the patch places the client system in an unsupported state. See *Known issues* for details.

**Task**

1. In the Control Panel, open Programs and Features, select McAfee VirusScan Enterprise | Uninstall.

   All features affected by the patch are reset to installation defaults. Any features not modified by the patch are left with their current settings.

2. Update VirusScan Enterprise after removing the patch to ensure that it is running the latest version of the engine and DAT files.

**Known issues**

For a list of known issues in this product release, see this McAfee KnowledgeBase article: [KB70393](#) and search for the Patch 9 Known Issues link.

**Find product documentation**

On the ServicePortal, you can find information about a released product, including product documentation, technical articles, and more.

**Task**

1. Go to the ServicePortal at [https://support.mcafee.com](https://support.mcafee.com) and click the Knowledge Center tab.

2. In the Knowledge Base pane under Content Source, click Product Documentation.

3. Select a product and version, then click Search to display a list of documents.