About this release

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

Release build — 8.8.1906

Package date — October 17, 2017

Purpose

This release of McAfee® VirusScan® Enterprise contains several improvements and fixes.

We recommend that you verify this update in test and pilot groups prior to mass deployment.
Rating — Critical

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

- Critical for all environments.
- Failure to apply a Critical update might result in severe business impact.
- A hotfix for a Severity 1 or Severity 2 issue is considered Critical.

For more information, see KB51560.

**Important notes about this release**

- **Full installation Patch 10** 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 VIRUSCAN8800(611).zip
  - **Patch Reports** for VirusScan Enterprise VIRUSCANREPORTS120(373).zip

For a list of supported environments and the latest information for VirusScan Enterprise 8.8.0 Patch 10 on Microsoft Windows, see KB51111.

**What's new**

The current release of the product includes these enhancements and changes.

**Microsoft product support**

This release adds support for:
- Microsoft Windows 10 Fall Creators Update
- Microsoft Windows 2016 Server Core

**Global Exclusions for Self Protection feature**

You can configure a global exclusion policy with the new Global Exclusions for Self Protection tab under Access Protection Policies. You can exclude specific processes from all Self Protection and Access Protection rules. Use this global exclusion only for processes that need to bypass Arbitrary Access Control. To avoid security risks, remove the global exclusion immediately after use. For more information, see KB89933.

**McAfee Agent integration**

This release adds support for McAfee Agent 5.0.6.220.1.

**VSCore 15.7 with InstallAll feature**

The InstallAll feature deploys all the kernel-level drivers required to provide security services, for example, regulating access to registries, processes, and memory, to the products that use VSCore. This prevents incompatibilities between older and newer versions of drivers.
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 9** — PD26992
- **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>1170795</td>
<td>This release adds a feature to Access Protection, called Global Exclusions for Self Protection, that allows user-specified processes to be excluded from all Self Protection rules.</td>
</tr>
<tr>
<td>1173721</td>
<td>This release prevents intermittent start failures of the McShield service by setting the legacy MFEVTTP service (mfevtps.exe) to start automatically.</td>
</tr>
<tr>
<td>1181839</td>
<td>The Microsoft WERFAULT feature was removed from synchronous scans to avoid a deadlock with McShield.exe.</td>
</tr>
<tr>
<td>1183685</td>
<td>The VirusScan Enterprise installation now passes the correct parameters to uninstall Windows Defender on Microsoft 2016 Server Core.</td>
</tr>
<tr>
<td>1184698</td>
<td>Installations managed by System Center Configuration Manager (SCCM) deployments are no longer interrupted by unnecessary validation trust checks from the MFEVTTP service (mfevtps.exe).</td>
</tr>
<tr>
<td>1185668</td>
<td>VirusScan Enterprise no longer hangs during shutdown due to the filter driver reviewing long-running processes.</td>
</tr>
<tr>
<td>1187884</td>
<td>This release adds the Prevent modification of VirusScan IFEO keys and values Access Protection rule, which protects registry subkeys and values under the Image File Execution Options key. This release fixes a potential vulnerability (CVE-2017-4028). For more information, see SB10193.</td>
</tr>
<tr>
<td>1190914</td>
<td>McShield.exe no longer consumes high CPU while printing during a remote desktop session.</td>
</tr>
<tr>
<td>1191544</td>
<td>The VirusScan Enterprise (vShield) system tray icon now correctly appears or disappears based on the McAfee ePO policy setting to show or hide the McAfee system tray icon.</td>
</tr>
<tr>
<td>1194999</td>
<td>This release fixes an issue where Microsoft Windows Server 2012 R2 intermittently hangs during shutdown.</td>
</tr>
<tr>
<td>1197270</td>
<td>This release improves on-demand scan times of read-only USB drives.</td>
</tr>
<tr>
<td>1197438</td>
<td>MF EHIDK is no longer registered as a legacy driver on Microsoft Windows 8 and later. This change allows Hyper-V checkpoint files to be merged.</td>
</tr>
<tr>
<td>1197549</td>
<td>This release removes the mfeapfk driver and all references to it.</td>
</tr>
<tr>
<td>1199950</td>
<td>An uninstall operation that repeatedly searches and replaces files in the Lotus Notes directory has been removed. Lotus Notes continues to work after VirusScan Enterprise is removed.</td>
</tr>
<tr>
<td>1203380</td>
<td>You can now successfully view shares when the Access Protection Rule, Make all shares read-only, is enabled.</td>
</tr>
<tr>
<td>1203434</td>
<td>Scheduled on-demand scans now correctly start when the system is locked and do not require you to log on.</td>
</tr>
<tr>
<td>1203937</td>
<td>McAfee ePO now correctly parses threat events when using MSXML 6.0.</td>
</tr>
<tr>
<td>1205001</td>
<td>Access Protection Rule settings that were customized through the McAfee Installation Designer with a previous patch package are now correctly preserved.</td>
</tr>
<tr>
<td>1209084</td>
<td>This release fixes a randomly occurring deadlock during a system restart after completing a Microsoft Windows upgrade.</td>
</tr>
<tr>
<td>1209462</td>
<td>Access Protection rules that are not set for reporting no longer generate log entries.</td>
</tr>
</tbody>
</table>
This release includes a fix to verify that a pointer value in mfeirek.sys is valid before deleting the pointer value reference.

This release fixes a thread count issue that led to a crash in Microsoft Azure environments.

System crashes no longer occur when two threads attempt to simultaneously load the same driver.

A new validation checks for memory allocation success to prevent a bug check that occurs during low memory conditions.

### Installation information

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), Windows 10 1703 (10.0.15063), and Windows 10 1709 (10.0.16299).

### Product compatibility tested

VirusScan Enterprise Patch 10 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>2.0.1.165, 1.1.0.158</td>
</tr>
<tr>
<td>McAfee Agent</td>
<td>5.0.6.220, 5.0.5.658, 5.0.4.283</td>
</tr>
<tr>
<td>McAfee Application Control</td>
<td>8.0.0.651</td>
</tr>
<tr>
<td>McAfee Change Control</td>
<td>8.0.0.194</td>
</tr>
<tr>
<td>McAfee Client Proxy</td>
<td>1.2.0.8</td>
</tr>
<tr>
<td>McAfee Data Exchange Layer (DXL)</td>
<td>4.0.0.39, 3.1.0.607</td>
</tr>
<tr>
<td>McAfee Data Loss Prevention (McAfee DLP)</td>
<td>11.0.130, 11.0.0.1162</td>
</tr>
<tr>
<td>McAfee Drive Encryption</td>
<td>7.1.3, 7.2.2</td>
</tr>
<tr>
<td>McAfee ePolicy Orchestrator (McAfee ePO')</td>
<td>5.1.3, 5.3.2, 5.3.3, 5.9.0</td>
</tr>
<tr>
<td>McAfee Host Intrusion Prevention</td>
<td>8.0 Patch 7, 8.0 Patch 8, 8.0 Patch 9, 8.0 Patch 10</td>
</tr>
<tr>
<td>McAfee SiteAdvisor Enterprise</td>
<td>3.5.0.1467, 3.5.0.1443</td>
</tr>
<tr>
<td>McAfee Threat Intelligence Exchange module for VirusScan Enterprise</td>
<td>1.0.2.121, 1.0.2.112, 1.0.1.137</td>
</tr>
</tbody>
</table>

This information was correct at the time of release.

### 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

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 10 can't be installed on a system that has McAfee Endpoint Security installed.

Supported VirusScan Enterprise releases

Patch 10 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 10.</td>
</tr>
<tr>
<td></td>
<td>Patch 9</td>
<td>Uninstall VirusScan Enterprise 8.8.0 and reinstall with the <strong>Full installation Patch 10</strong> package.</td>
</tr>
<tr>
<td></td>
<td>VirusScan Enterprise 8.8.0</td>
<td></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>
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<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>
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<tr>
<td></td>
<td>Patch 4</td>
<td></td>
</tr>
<tr>
<td>Full 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 10 on a system with McAfee DAT Reputation installed, you must upgrade to McAfee DAT Reputation version 1.0.4. For more information, see KB885648.
**McAfee Application Control and McAfee Change Control**

Due to a product incompatibility, before installing VirusScan Enterprise 8.8.0 Patch 10 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*.

**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.
   - **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.

**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.

**Best practice:** Restart the client system after installing this release of the product.

**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.

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 10, 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_10 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*.

**File inventory**

- VirusScan Enterprise 8.8.1906
- VSCore 15.7.0.601
- SYSCore 15.7.0.665
- Management extension 8.8.0.611
- Reporting extension 1.2.0.373
- Vscan.bof 762
Known issues

For a list of known issues in this product release, see this McAfee KnowledgeBase article: KB70393 and search for the Patch 10 Known Issues link.

Getting product information by email

The Support Notification Service (SNS) delivers valuable product news, alerts, and best practices to help you increase the functionality and protection capabilities of your McAfee products.

To receive SNS email notices, go to the SNS Subscription Center at https://sns.secure.mcafee.com/signup_login to register and select your product information options.

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 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.