About this release

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

For a complete list of build numbers for this release, see KB51111.

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

We recommend that you verify this patch 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

• **Repost package with Patch 12** — Updates clients with VirusScan Enterprise 8.8.0 Patch 8 and later.
• **Full installation Patch 12** 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(687).zip
  • **Patch Reports** for VirusScan Enterprise VIRUSCANREPORTS120(426).zip

For a list of supported environments and the latest information for VirusScan Enterprise 8.8.0 Patch 12 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 October 2018 Update
• Microsoft Windows Server 2019

**McAfee ePO support**

• This release extends support to the McAfee ePO 5.10 security management platform.
• In McAfee ePO 5.10, **Software Manager** is renamed as the **Software Catalog**.

Resolved issues

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

- **Patch 11** — PD27441
- **Patch 10** — PD27206
- **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>1224578</td>
<td>This release resolves an issue that caused a bugcheck when a disk was unmounted unexpectedly.</td>
</tr>
<tr>
<td>1225180</td>
<td>Windows Security Center no longer reports that VirusScan Enterprise is disabled when it is running.</td>
</tr>
<tr>
<td>1232055</td>
<td>The Policy Comparison Tool is now able to compare Access Protection policies. It no longer includes the Global exclusion section fields in the comparison.</td>
</tr>
</tbody>
</table>
**Reference** | **Resolution**
--- | ---
1233721 | Windows Group Policy Objects that enable administrators to install USB drivers are now detected by the Windows disk management snap-in and continue to function after upgrades. Arbitrary Access Control (AAC) self-protection rules are now tuned to allow disk filter drivers to install during upgrades.
1241248 | The Windows disk management snap-in now detects mapped storage volumes. AAC self-protection rules are now tuned to allow disk filter drivers to install during upgrades.
1243908 | The McAfee ePO server no longer becomes temporarily unresponsive after an upgrade due to a large number of concurrent validation events.
1245276 | Systems no longer crash while installing Microsoft updates.
1249591 | Systems no longer crash after upgrading to Patch 11 due to conflicting validation events.
1252864 | Systems no longer crash when connecting a removable media device.

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### Installation information

Install and verify this 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 supports in-place operating system upgrades from Windows 7, 8, and 8.1 to all released versions of Windows 10 through Windows 10 October 2018 Update.

### Product compatibility tested

This release has been extensively tested to be compatible with our McAfee products.

<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, 5.5.0</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, 5.10</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, 8.0 Patch 11, 8.0 Patch 12</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.
Upgrading to Endpoint Security
This release has been extensively tested to support upgrading to the latest McAfee® Endpoint Security version available.

Why upgrade?
Endpoint Security is an integrated, extensible solution that replaces your legacy endpoint products. It consolidates your existing technologies while enabling multiple defense technologies to communicate in real time to analyze and protect against threats. The result is improved performance and simplified protection.

See Top Reasons to Migrate to Endpoint Security.

How do I upgrade?
McAfee ePO provides tools to assist with upgrading to Endpoint Security. You can download and install these tools from the Software Catalog.

- **Endpoint Upgrade Assistant** — Simplifies and automates the tasks required to upgrade your environment to Endpoint Security. This tool analyzes managed systems, detects the supported McAfee products that are installed, and determines the minimum requirements for upgrading.

- **Endpoint Migration Assistant** — Migrates your custom settings and assignments to Endpoint Security. You can migrate all your settings automatically, or select settings to migrate manually and configure them before migration if needed.

For information about getting started with your upgrade to Endpoint Security, go to the Endpoint Security Expert Center.

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

For a complete list of requirements, see KB51111.

Unsupported platforms
Windows XP, Windows Server 2003, and Windows Server 2003 R2 are no longer supported with Patch 8 and later.

VirusScan Enterprise 8.8.0 Patch 12 can't be installed on a system that has Endpoint Security or McAfee® MVISION Endpoint installed.

Supported VirusScan Enterprise releases
This 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 Patch 11</td>
<td>Update DAT files to the latest version before installing this release.</td>
</tr>
<tr>
<td></td>
<td>VirusScan Enterprise 8.8.0 Patch 10</td>
<td></td>
</tr>
</tbody>
</table>

This package does not upgrade VirusScan Enterprise version 8.8.0.777 (RTW), Patch 1–7. Uninstall VirusScan Enterprise 8.8.0 and reinstall with the Full installation Patch 12 package.
<table>
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<th>Package</th>
<th>VirusScan Enterprise version</th>
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<tbody>
<tr>
<td></td>
<td>VirusScan Enterprise 8.8.0 Patch 9</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VirusScan Enterprise 8.8.0 Patch 8</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:** 5.0.6.220.1 or later

See [KB51111](#) for information about other supported versions of McAfee Agent.

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

Before installing this release 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 this release 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:** 5900.7806
- **Detection Definitions (DAT):** 879x
  
  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.

**Microsoft Windows case sensitivity**

(Microsoft Windows 10 October 2018 Update) Before upgrading, you need to verify that the case-sensitivity attribute is disabled in Windows for folders where you want to install the new version of the software. You can check and change this attribute setting in Windows.

This release of VirusScan Enterprise does not support enabling the Windows case-sensitivity feature.

**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.

💡 **Best practice:** Restart the client system after installing this release of the product.
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:
   • **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 12, 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_12** 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 8.8.0.2024
• VSCore 18.9.0.164
• SYSCore 18.9.0.174
• Management extension 8.8.0.687
• Reporting extension 8.8.0.426
• Vscan.bof 762

Known issues
For a list of known issues in this product release, see **KB70393** and search for the Patch 12 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.