



Release Notes

McAfee VirusScan Enterprise for Linux 2.0.3

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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.



We do not support the automatic upgrade of a pre-release software version. To upgrade to a production release of the software, you must first uninstall any pre-release version.

Release date — June 10, 2016

This RTW build was developed and tested with:

- McAfee® VirusScan® Enterprise for Linux 2.0.3
- Engine version — 5800.7501
- DAT version — 8187.0000

New features

This release of the software includes these features.

These features can be used either on a standalone system or from McAfee ePolicy Orchestrator to manage McAfee VirusScan Enterprise for Linux on client systems.

Feature	Description
Common extension for McAfee VirusScan Enterprise for Linux	Allows you to use a single extension to manage McAfee VirusScan Enterprise for Linux 1.9.2 and 2.0.x versions.
Open SSL 1.0.1t upgrade	Packaged with the Open SSL library version to 1.0.1t that fixes the CVE-2016-0800 issues such as weak-SSL-ciphers, double free bug in DSA private key, SRP fake user, memory issues in BIO printf functions, and Side channel attack. For more information about these vulnerabilities, click here .
5800 Engine support	Pre-packaged with the latest 5800 engine that provides enhanced detection capabilities.

Resolved issues

These issues are resolved in this release of the product.

- Resolves the open vulnerability issue CVE-2015-7547 - Multiple stack-based buffer overflow in the *libresolv* library.
- McAfee VirusScan Enterprise for Linux installation no longer fails when the `/tmp` directory definition is set to none. (1095936)
- The `nails.service` file is removed properly after uninstalling McAfee VirusScan Enterprise for Linux. (1096544)
- Uninstalling McAfee VirusScan Enterprise for Linux no longer causes change in the security context of `crontab`. (1125874)
- When you create an on-demand scan task from McAfee ePO, VSEL no longer scans network volumes if the Scan files on network mounted volumes (NFS, CIFS/SMBFS only) option is disabled. (1003679)
- McAfee VirusScan Enterprise for Linux no longer displays error in the installer script. (1104827)
- McAfee VirusScan Enterprise for Linux now replaces the default SHA1 certificates with SHA256 certificates. (1134572)
- The McAfee VirusScan Enterprise for Linux `mer` log now successfully captures logs for McAfee Agent 5.0 and later. (1119765)
- McAfee VirusScan Enterprise for Linux deployment with McAfee Agent 5.0 no longer fails when a hotfix is checked in. (1105120)

The hotfix solutions HF1087457 and HF1064407 that are resolved in the McAfee VirusScan Enterprise for Linux 2.0.2 release are merged with this release.

Files included with this release

This release contains these files.

- McAfeeVSEForLinux-2.0.3.<build_number>.zip that contains the following files:
 - McAfeeVSEForLinux-2.0.3.<build_number>-release-full.x86_64.tar.gz — McAfee VirusScan Enterprise for Linux software package.
- Readme.txt — *McAfee VirusScan Enterprise for Linux Release Notes*.

Installation instructions

Make sure that your system meets these requirements, and install the software on standalone and managed systems.

System requirements

Make sure that your system meets these requirements for successful installation.



This product cannot be used on 32-bit platforms.

Component	Description
Processors	<ul style="list-style-type: none">• Intel x86_64 architecture-based processor that supports Intel Extended Memory 64 Technology (Intel EM64T)• AMD x86_64 architecture-based processor with AMD 64-bit technology
Memory	Minimum: 2 GB Recommended: 4 GB
Disk space	1 GB
Supported operating systems (64-bit)	<ul style="list-style-type: none">• SUSE Linux Enterprise Server/Desktop 11 SP2, SP3, and SP4. and 12 SP1.• Novell Open Enterprise Server 11 SP1• Red Hat Enterprise 7.0, 7.1, and 7.2• CentOS 7.0, 7.1, and 7.2.• Oracle Enterprise Limited 7.0, 7.1, and 7.2.• Ubuntu 12.04, 12.10, 13.04, 13.10, 14.04, 14.10, 15.04, 15.10, and 16.04 (Desktop/Server)• Amazon Linux AMI 2015.09, 2016.03• Support for cloud platforms such as Amazon Elastic Compute Cloud (Amazon EC2)
Virtual platforms	<ul style="list-style-type: none">• VMware• KVM• Citrix Xen• Virtual box• Xen• Guest operating system on Xen Hypervisor
McAfee Management software	<ul style="list-style-type: none">• McAfee® ePolicy Orchestrator® (McAfee ePO™) 4.6.x and 5.x.
McAfee® Agent	McAfee Agent 4.8 Patch 3 and 5.0

Prerequisites

Make sure that your systems meet these prerequisites to install the software successfully.

- Make sure that there is no user named `nails` or group named `nailsgroup` on the computer.
- You must have root permission to install the software.

During the installation, you are prompted to type a password and other information. For most of the questions, you can accept the default value that is offered. For silent installation and deployment through McAfee ePO, you must set up a password after the installation or deployment. Use the `passwd` command or use the **Change Password** task from McAfee ePO.
- To configure email notification for alerts (if needed), configure the Mail Transfer Agent (MTA) with the following information:
 - Email address of the McAfee VirusScan Enterprise for Linux administrator
 - IP address of the SMTP host
 - TCP/IP port number of the SMTP host

Install the software on RPM-based standalone systems (RHEL, SUSE, OEL, and CentOS)

Install the software on standalone systems and configure the settings as required.

Task

- 1 Download `McAfeeVSEForLinux-2.0.3.<build_number>.zip` to a temporary directory, then execute these commands in sequence.

```
# unzip McAfeeVSEForLinux-2.0.3.<build_number>.zip
# cd McAfeeVSEForLinux-2.0.3.<build_number>
# tar -zxvf McAfeeVSEForLinux-2.0.3.<build_number>-release-full.x86_64.tar.gz
# tar -zxvf McAfeeVSEForLinux-2.0.3.<build_number>-release.tar.gz
# tar -zxvf McAfeeVSEForLinux-2.0.3.<build_number>-others.tar.gz
```

- 2 Install McAfee Runtime:

```
rpm -ivh MFErt.i686.rpm
```

- 3 Install McAfee Agent:

```
rpm -ivh MFEcma.i686.rpm
```

- 4 Confirm that McAfee Agent is running correctly:

```
/etc/init.d/cma status
```

- 5 Install McAfee VirusScan Enterprise for Linux:

```
bash McAfeeVSEForLinux-2.0.3.<build_number>-installer
```

- 6 Answer the questions when prompted, accept the default values, or type custom values.

- 7 When prompted to start the **VirusScan** services, select the default option `y`.

- 8 Confirm McAfee VirusScan Enterprise for Linux is installed and running correctly:

```
/etc/init.d/nails status
```

Install the software on Ubuntu-based standalone systems

Install the software on Ubuntu systems and configure the software.

Task

- 1 Download `McAfeeVSEForLinux.2.0.3.<build_number>.zip` to a temporary directory and execute these commands in the order shown:

```
# unzip McAfeeVSEForLinux-2.0.3.<build_number>.ZIP

# cd McAfeeVSEForLinux-2.0.3.<build_number>

# tar -zxvf McAfeeVSEForLinux-2.0.3.<build_number>-release-full.x86_64.tar.gz

# tar -zxvf McAfeeVSEForLinux-2.0.3.<build_number>-release.tar.gz

# tar -zxvf McAfeeVSEForLinux-2.0.3.<build_number>-others.tar.gz
```

- 2 Install McAfee Runtime:

```
sudo dpkg -i MFErt.i686.deb
```

- 3 Install McAfee Agent:

```
sudo dpkg -i MFEcma.i686.deb
```

- 4 Confirm that McAfee Agent is running correctly:

```
/etc/init.d/cma status
```

- 5 Install McAfee VirusScan Enterprise for Linux:

```
sudo bash McAfeeVSEForLinux-2.0.3.<build_number>-installer
```

- 6 Answer the questions when prompted. Accept the default values, or type custom values.

- 7 When prompted to start the McAfee VirusScan Enterprise for Linux services, type the default option `Y`.

- 8 Confirm that McAfee VirusScan Enterprise for Linux is installed and running correctly:

```
/etc/init.d/nails status
```

The message **The McAfeeVSEForLinux daemon is running: process information follows** appears.

For information about installing McAfee VirusScan Enterprise for Linux on Novell Open Enterprise Server, see *McAfee VirusScan Enterprise for Linux 2.x Product Guide*.

Install the software in silent mode on RPM-based systems (RHEL, SUSE, OEL, and CentOS)

Use the command line option to install the software in silent mode.

Before you begin

You must have McAfee Runtime and McAfee Agent already installed on the computer.

Task

- 1 Create a file `nails.options` in the root home directory.

For example:

```
SILENT_ACCEPTED_EULA="yes"
SILENT_INSTALLDIR="/opt/NAI/LinuxShield"
SILENT_RUNTIMEDIR="/var/opt/NAI/LinuxShield"
SILENT_ADMIN="admin@example.com"
SILENT_HTTPHOST="0.0.0.0"
SILENT_HTTPPORT="55443"
SILENT_MONITORPORT="65443"
SILENT_SMTPHOST="0.0.0.0"
SILENT_SMTPPORT="25"
SILENT_NAILS_USER="nails"
SILENT_NAILS_GROUP="nailsgroup"
SILENT_CREATE_USER="yes"
SILENT_CREATE_GROUP="yes"
SILENT_RUN_WITH_MONITOR="yes"
SILENT_QUARANTINEDIR="/quarantine"
SILENT_START_PROCESSES="yes"
```

- 2 Type the following command:

```
bash McAfeeVSEForLinux-2.0.3.<build_number>-installer
```

- 3 Use the command `passwd` to assign a password to the user `nails`.

For information about installing McAfee VirusScan Enterprise for Linux on Novell Open Enterprise Server, see *McAfee VirusScan Enterprise for Linux 2.x Product Guide*.

Install the software in silent mode on Ubuntu-based systems

Use the command line to install the software on Ubuntu systems in silent mode.

Task

- 1 Create a file `nails.options` in the root home directory.

For example:

```
SILENT_ACCEPTED_EULA="yes"
SILENT_INSTALLDIR="/opt/NAI/LinuxShield"
SILENT_RUNTIMEDIR="/var/opt/NAI/LinuxShield"
SILENT_ADMIN="admin@example.com"
SILENT_HTTPHOST="0.0.0.0"
SILENT_HTTPPORT="55443"
SILENT_MONITORPORT="65443"
SILENT_SMTPHOST="0.0.0.0"
SILENT_SMTPPORT="25"
SILENT_NAILS_USER="nails"
SILENT_NAILS_GROUP="nailsgroup"
SILENT_CREATE_USER="yes"
SILENT_CREATE_GROUP="yes"
SILENT_RUN_WITH_MONITOR="yes"
SILENT_QUARANTINEDIR="/quarantine"
SILENT_START_PROCESSES="yes"
```

- 2 Verify that the `nails.options` file is present in the root directory.

- 3 Type the following command:

```
sudo bash McAfeeVSEForLinux-2.0.3.<build_number>-installer
```

- 4 Use the command `passwd` to assign a password to the user `nails`.

For more information about installing the software on Novell Open Enterprise Server, see *McAfee VirusScan Enterprise for Linux2.x Product Guide* .

Upgrade the software (RPM and Ubuntu systems)

You can upgrade the software from McAfee VirusScan Enterprise for Linux 1.9.2 or 2.0.2 to McAfee VirusScan Enterprise for Linux 2.0.3.

Task

- 1 Upgrade McAfee Agent.

- For RPM based systems:

```
rpm -Uvh MFErt.i686.rpm
```

```
rpm -Uvh MFEcma.i686.rpm
```

- For Ubuntu systems:

```
sudo dpkg -i MFErt.i686.deb
```

```
sudo dpkg -i MFEcma.i686.deb
```

- 2 Confirm that McAfee Agent is running correctly:

```
/etc/init.d/cma status
```

- 3 Upgrade McAfee VirusScan Enterprise for Linux.

- For RPM based systems:

```
bash McAfeeVSEForLinux-2.0.3.<build number>-installer
```

- For Ubuntu systems:

```
sudo bash McAfeeVSEForLinux-2.0.3.<build number>-installer
```

- 4 Restart the computer if you are upgrading the software from McAfee VirusScan Enterprise for Linux 1.9.x.

```
reboot
```

When you upgrade the software, the existing on-access scan settings, on-demand scan settings, and the exclusions list are migrated.

Integrate the software using McAfee ePO

Install and deploy the software from the McAfee ePO console.

Before you begin

If you have any VirusScan Enterprise for Linux 2.0, 2.0.1, or 2.0.2 hotfixes checked in to the Master Repository's Current branch, you must either delete the hotfixes from the Master Repository or move them to the previous branch.

Task

- 1 Log on to the McAfee ePO server as an administrator.
- 2 Extract the `McAfeeVSEForLinux-2.0.3.<build_number>.zip` to a temporary directory on the McAfee ePO system.

- 3 From the temporary directory, extract these files in the following sequence:
`McAfeeVSEForLinux-2.0.3.<build_number>-release-full.x86_64.tar.gz`
`McAfeeVSEForLinux-2.0.3.<build_number>-release.tar.gz`
`McAfeeVSEForLinux-2.0.3.<build_number>-others.tar.gz`
- 4 Check in the McAfee Agent `MSA-LNX_4.8.0.3_Package.zip` file to the Master Repository.
- 5 Check in the `McAfeeVSEForLinux-2.0.3.<build_number>-release-epo.zip` file to the Master Repository.
- 6 Check in these extensions to McAfee ePO:

`EPOAGENTMETA.ZIP`

`LYNXSHLDMETA.ZIP`

`LYNXSHLDPARSER.ZIP`

`VSEL_HELP.ZIP`



You must manually remove the "vsel_201_help" extension, if it is already installed in the McAfee ePO server.

- 7 Deploy McAfee Agent 4.8 Patch 3 to the client computer.
- 8 Create a product deployment task in McAfee ePO to deploy McAfee VirusScan Enterprise for Linux 2.0.3 to the client computer.
- 9 For managed systems upgraded through McAfee ePO, reboot the computer if you are upgrading from McAfee VirusScan Enterprise for Linux 1.9.x. Otherwise, reboot is not required.
- 10 To verify that McAfee VirusScan Enterprise for Linux is installed and running correctly, type this command on the client system:

```
/etc/init.d/nails status
```

For information about integrating and configuring McAfee VirusScan Enterprise for Linux using McAfee ePO, see the product guide for your version of McAfee ePO.

Start VirusScan Enterprise for Linux

After installing the software, start VirusScan Enterprise for Linux services and configure the settings as needed.

Task

- 1 From a supported web browser, go to `https://<hostname or IP address>:<port number>`
Specify the host name or IP address of the computer where VirusScan Enterprise for Linux is installed. By default, the port number is 55443. For example, `https://192.168.200.200:55443` or `https://server1:55443`.
- 2 On the logon page, type the user name `nails`, type the password that you specified during the installation, then click **Log on**.

Uninstall the software

Remove the software from the RPM and Ubuntu-based systems.

Task

- 1 To uninstall the software using the script:

```
/opt/NAI/package/McAfeeVSEForLinux/  
McAfeeVSEForLinux-2.0.3.<build_number>-installer --uninstall
```

- 2 To uninstall the software from the standalone systems manually:

- For RPM-based systems:

```
rpm -e McAfeeVSEForLinux
```

```
rpm -e MFecma
```

```
rpm -e MFert
```

- For Ubuntu-based systems:

```
dpkg --purge mcafeevseforlinux
```

```
dpkg --purge mfecma
```

```
dpkg --purge mfert
```

Uninstall the software from managed systems using McAfee ePO, by creating a product deployment task.

Known issues

For a list of known issues in this product release, see this McAfee KnowledgeBase article: [KB80085](#).

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.

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