

Release Notes for Mentor[®] Standard Licensing

Software Version 2017_1

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Chapter 1

Licensing Release Notes

Some of the changes in this release may affect how licensing works or how licensing is managed. Changes of special note are the following:

- Moved to FlexNet™ 11.14.1.3 on UNIX and Windows.
- FlexNet 11.14.1.3 addressed initial checkout latency and LMTOOLS problems.
- Retired support for AIX, SuSE SLES 10, Windows Server 2008, and Windows Server 2008 R2.
- Added support for SuSE SLES 12 and Windows Server 2016.
- Improved hardware key (dongle) driver installation, update, and removal.
- Added requirement for customers using Windows 7 to update to Windows 7 SP1.
- Added requirement for customers using Windows 8 to update to Windows 8.1.

FlexNet Version

The v2017_1 Mentor Standard Licensing (MSL) release uses FlexNet 11.14.1.3.

Each product released with FlexNet 11.14.1.3 or newer contains everything you need for the license server update. For details on updating your license server, refer to Knowledge Base (KB) article MG66951.

<https://support.mentor.com/en/knowledge-base/MG66951>

For details on FlexNet 11.14.1.3, refer to the *License Administration Guide*, which is available from the Licensing Software page on Account Center

(<https://account.mentor.com/licenses/download>). Choose **Licensing v2017_1 (FlexNet 11.14.1.3) > Documentation > License Administration Guide**.

Note



Version 11.14.1.1 is the most current version of the *License Administration Guide*.

FlexNet Enhancements and Corrected Defects in 11.14.1.3

The FlexNet software includes the following improvements and corrected issues:

- **Addressed performance degradation for first-time checkout latency (DR 1211456)**

Virtualization detection was previously performed at the time of first checkout. As FlexNet releases added incremental virtualization detection techniques, the result was a cumulative performance degradation for first-time checkout latency. Now, first-time checkout performance is comparable to that of the FlexNet 11.8 release.

- **Selecting Stop Server on LMTOOLS (DR 1206856)**

This release of FlexNet fixes an issue that caused *lmtools.exe* to shut down more license servers than expected. The problem occurred if you selected the “Configuration using Services” option in the **Service/License File** tab and you did not select the “LMTOOLS ignores license file path environment variables” check box. When you clicked the **Stop Server** button in the **Start/Stop/Reread** tab, the last server listed in the MGLS_LICENSE_FILE environment variable, as well as the last server listed in any other *_LICENSE_FILE environment variable, would also shut down.

MGLS (UNIX/Linux) Changes

Changes to Supported Platforms

v2017_1 no longer provides support for the following platforms:

- AIX
- SuSE SLES 10

v2017_1 adds support for the following platform:

- SuSE SLES 12

DRs/ERs Addressed in This Release

No customer-reported DRs or ERs are addressed in this release.

PCLS (Windows) Changes

Changes to Supported Platforms

v2017_1 no longer provides support for the following platforms:

- Windows 7 (Windows 7 SP1 is required)
- Windows 8 (Windows 8.1 is required)
- Windows Server 2008
- Windows Server 2008 R2

v2017_1 adds support for the following platform:

- Windows Server 2016

DRs/ERs Addressed in This Release

- **Include mgls_ok as part of the PCLS install (DR 1241845)**

Starting with v2017_1, *pcls_setup.exe* also installs *mgls_ok.exe* and *mgls_ok64.exe*. For more information, refer to the *Mentor Standard Licensing Manual*.

Hardware Key/Dongle Drivers

Improved Hardware Key (Dongle) Driver Installation/Update/Removal

The Mentor Install Program (MIP) has improvements to the installation, updating, and removal of hardware key (dongle) drivers.

For information on dongle driver installation, refer to KB article MG596579.

<https://support.mentor.com/en/knowledge-base/MG596579>

Known Licensing Problems

- **Issues when a long-running client's floating license expires**

The following license file snippet serves as an example:

```
INCREMENT f1 demo 1.0 20-dec-2016 1 SIGN=  
INCREMENT f1 demo 1.0 10-dec-2016 1 SIGN=
```

The two counts of f1 are in the same license pool and occur in the license file in decreasing order of expiry date. A client checks out both instances of f1 on the morning of 10 December. At midnight, the client should, but does not, enter a reconnection state for the single expiring license.

However, if the INCREMENT lines are sorted by increasing order of expiry date, which can be accomplished by using the sort attribute, the client will correctly enter a reconnection state at midnight on 10 December. For example:

```
INCREMENT f1 demo 1.0 20-dec-2016 1 sort=2 SIGN=  
INCREMENT f1 demo 1.0 10-dec-2016 1 sort=1 SIGN=
```

This issue does not occur for instances of f1 in different license pools, as is the case with a version change.

- **Features not checked in correctly after using lmremove utility**

If you use lmremove to remove features that are checked out, and the order in which you remove the features is different from the order the features were checked out, the features are not checked in correctly.

- **Lmgrd license server as a Windows service fails to start**

Starting with FlexNet Publisher 2015 (11.13.1), Windows license server services run with LocalService privileges instead of LocalSystem privileges. One inappropriate consequence is that an lmgrd Windows service that *lmtools.exe* installs may not start. The reason is that a LocalService does not, by default, have sufficient privileges to write the server debug log to a subdirectory of Windows Program Files or Users directories.

Therefore, Flexera recommends that you specify debug log and report log locations within a subfolder of %SystemDrive%\ProgramData\. By default, a LocalService has sufficient privileges to write to ProgramData subdirectories.

If you would rather modify the Log On properties of the License Manager service to run as a Local System account instead of a Local Service, refer to KB article MG593757 for instructions.

<https://support.mentor.com/en/knowledge-base/MG593757>

- **Using 32-bit licensing on Linux, odd errors may occur when locations are specified on volumes greater than 1 TB**

On 32-bit systems, file system functions use 32-bit integers for inode numbers. Some operating systems assign 64-bit inode numbers for hard drives with sizes greater than 1 TB. In this case, odd errors such as “file not found” may be reported for files that actually do exist.

To resolve this problem, download the 64-bit Linux version of licensing from Account Center.

Known Documentation Problems

- **Broken Links in PDF Documentation (MG595892)**

Due to enhanced security restrictions with web browser PDF plug-ins, some links do not function. Links in HTML documentation are fully functional.

Clicking a link within a PDF viewed in a web browser may result in no action, or it may load the title page of the current PDF manual (instead of the intended target in the PDF manual). The unresolved link behavior occurs in all web browsers on Windows® and Linux®¹ platforms. Because of this behavior, the navigational experience of PDF manuals is compromised. PDF is ideal for printing because of its page-oriented layout.

Use the HTML manuals to search for topics, navigate between topics, and click links to examples, videos, reference material, and other related technical content.

For information about Adobe’s discontinued support of Adobe Reader on Linux platforms and your available options, refer to KB article MG596568 on Support Center.

<https://support.mentor.com/en/knowledge-base/MG595892>

Supported Platforms

The following table lists the supported platforms for this release of Mentor licensing.

Table 1-1. Supported Platforms

Operating System	Hardware Architecture	Operating System Version(s)
Linux 32-bit	x86	Red Hat Enterprise 6 SuSE SLES 11 SuSE SLES 12

1. Linux® is a registered trademark of Linus Torvalds in the U.S. and other countries.

Table 1-1. Supported Platforms (cont.)

Operating System	Hardware Architecture	Operating System Version(s)
Linux 64-bit	x86_64	Red Hat Enterprise 6 Red Hat Enterprise 7 SuSE SLES 11 SuSE SLES 12
Windows 32-bit	x86	Windows 7 SP1 (Professional, Enterprise, Ultimate) Windows 8.1 (Professional, Enterprise) Windows 10 (Professional, Enterprise)
Windows 64-bit	x86_64	Windows 7 64 SP1 (Professional, Enterprise, Ultimate) Windows 8.1 (Professional, Enterprise) Windows 10 (Professional, Enterprise) Windows Server 2012 Windows Server 2012 R2 Windows Server 2016

Supporting Licensing Documentation

Refer to the following manuals for licensing installation and configuration information:

- *Mentor Standard Licensing Manual, 2017_1*
- Flexera's *FlexNet Publisher 2016 R2 SP1 (11.14.1.1) License Administration Guide*

Mentor Support

If you have questions about this software release, please log in to Support Center. You may search thousands of technical solutions, view documentation, or open a Service Request here:

<https://support.mentor.com/>

If your site is under a current support contract but you do not have a Support Center login, register today:

<https://support.mentor.com/register>

For answers to frequently asked licensing questions and to collaborate with Mentor community members and technical experts, visit the Licensing and Installation Mentor Communities site:

https://communities.mentor.com/community/licensing_installation

