

Release Notes for Mentor[®] Standard Licensing

Software Version 2019_3
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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 Publisher 11.16.4.0.
- Updated supported platforms.

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FlexNet Version

The v2019_3 Mentor Standard Licensing (MSL) release uses FlexNet™ 11.16.4.0.

Each product released with FlexNet 11.16.4.0 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 11.16.4.0, 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 v2019_3 (FlexNet 11.16.4.0) > Documentation > License Administration Guide**.

FlexNet Enhancements and Corrected Defects

The FlexNet software includes the following improvements and corrected issues:

- **New MAX_CONNECTIONS option** — The new MAX_CONNECTIONS option keyword, which is used in the options file, sets the maximum number of connections to the vendor daemon. For more information, see KB article [MG607453](#). (FNP-20772)

- **Version mismatch information in the server log** — When the FlexNet version of the license server is older than the user's application, a message appears in the server log that gives user details. (FNP-8969; Salesforce case 00296719)
- **Imreread improvements** — Imreread now does the following:
 - Better handles currently checked-out licenses.
 - Upon execution, applies option file updates.
 - Writes additional debug log file entries that describe Imreread results.(FNP-19801; Salesforce case 01661476)
- **License server performance improvements** — The client/server communication protocol has been simplified and improved to reduce the license checkout latency by 20% in high-checkout-rate scenarios. (FNP-20782)
- **OpenSSL update** — OpenSSL has been updated to version 1.1.0j. (FNP-20273)
- **Future start date license issue** — In previous releases, when a new INCREMENT line with a future start date was added to a license server and an Imreread was performed, subsequent license checkouts failed with a “-31 : Start date for feature not reached” error. This problem has been fixed. (FNP-20709; Salesforce case 01819594)

MGLS (Linux) Changes

This release may contain supported platform changes or DR/ER information.

Changes to Supported Platforms

This release adds support for RHEL 8.

DRs/ERs Addressed in This Release

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

PCLS (Windows) Changes

This release may contain supported platform changes or DR/ER information.

Changes to Supported Platforms

No changes to supported Windows platforms are in this release.

DRs/ERs Addressed in This Release

This release addresses the following DRs/ERs:

- **Improve license consumption (DR 1384338)** — Under some circumstances, a subsequent license request was not shared with a license that was already checked out, which resulted in overconsumption. This problem has been fixed.
- **Address license queuing issue while connected via VPN (DR 1386344)** — Instead of queuing until a license was available, a queued license was dequeued after two hours when an application was running over a VPN. This problem has been fixed.

Known Licensing Problems

This release contains known licensing issues.

- **lmdiag displays incorrect error message in the case of multiple vendors** — If a single license server manager, such as lmgrd, serves multiple vendor daemons, lmdiag shows an incorrect error message (“No such feature exists”) for features that are served by one of the valid daemons. (FNP-19617; Salesforce case 01202287)
- **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.

- **lmgrd and lmreread feature expiration limitations** — If after doing a server reread, the same license pool is available but the new number of licenses is not sufficient to serve all active clients, some of the clients will be removed with the error “LM_MAXUSERS.” Client removal is LIFO. That is, the last clients to check out licenses are the first to receive the error.

If the active clients being removed have multiple checkouts from the same job handle, all features checked out from that job handle are also removed from the server. (FNP-19801; Salesforce case 01661476)

- **lmreread limitations** — When a single job checks out multiple licenses of different features or pools, and one or more supported features are dropped after a reread, all existing checkouts go through the reconnection process. If any jobs are queued for the same features, they may consume the released licenses.

After reread, when a single license pool cannot serve all of the licenses to a reconnecting client (a partial checked out license is upgraded before the reread), the client exits except in the case of a bulk checkout. (FNP-19625)

Supported Platforms

This release of Mentor licensing supports a variety of platforms.

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 SUSE SLES 15 |
| Linux 64-bit | x86_64 | Red Hat Enterprise 6 Red Hat Enterprise 7 Red Hat Enterprise 8 SUSE SLES 11 SUSE SLES 12 SUSE SLES 15 |
| Linux 64-bit | AArch64 (ARMv8-A) | Red Hat Enterprise 7 |
| Windows 32-bit | x86 | Windows 7 SP1 (Professional, Enterprise, Ultimate) Windows 10 |
| Windows 64-bit | x86_64 | Windows 7 64 SP1 (Professional, Enterprise, Ultimate) Windows 10 Windows Server 2016 Windows Server 2019 |

Supporting Licensing Documentation

Refer to the licensing manuals for licensing installation and configuration information.

- *Mentor Standard Licensing Manual*, v2019_3
- Flexera's *FlexNet Publisher 2019 R2 (11.16.4) 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.

<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

