

Flexera

Release Notes

FlexNet Manager for Engineering
Applications 2019 R2

October 2019, Version 1.0



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Note • These release notes are not cumulative. If you are upgrading from a release other than the most recent release, consult the release notes that accompany the intermediate releases. You can access the release notes archive from [Flexera Helpnet](#).

Updates: The latest publication of the Release Notes can also be accessed there.

Introduction

FlexNet Manager for Engineering Applications enables enterprises to gain a greater understanding of how concurrent software licenses are being used globally, by providing the information needed to centralize and accurately report on license usage. This results in reduced software expenses, increased employee productivity, reduced administrative costs, and improved compliance with software license contracts.

New Features

Finish & Run button in Classic Reporting

A new “Finish & Run” button is available in the configuration of Classic Reports. This allows you to immediately run the report you are configuring, instead of having to find it first and then run it.

Changes from Previous Releases

Organization Structure Start Date is now drawn from XML

Formerly, when creating an Organization Structure from an XML file, the Start Date of each node in the structure was set to 01 January 2000.

Now it is drawn from the XML file on import as expected. There is one exception: for start dates in the XML file that are older than 01 January 2000, the start date will be set to 01 January 2000.

Active MQ update in FlexNet Agent improves security

FlexNet Agent 5.5 incorporated version 5.10.0 of Active MQ (an open source message broker built by Apache). Due to a security vulnerability in that version of Active MQ, we have upgraded it to version 5.15.9 in FlexNet Agent, 5.6.

FlexNet Agent 5.6 is being released with FlexNet Manager for Engineering Applications 2019 R2.

This issue fix addresses these CVE items:

- <https://nvd.nist.gov/vuln/detail/CVE-2016-3088>
- <https://nvd.nist.gov/vuln/detail/CVE-2015-1830>
- <https://nvd.nist.gov/vuln/detail/CVE-2015-5254>



Note • FlexNet Agent 5.6 is not compatible with previous versions of FlexNet Manager for Engineering Applications, but the Manager component of FlexNet Manager for Engineering Applications 2019 R2 will work with FlexNet Agent 5.x.

Token Capability Reports are fixed in Flexera Analytics

Previously, the Token Capability reports did not show any data in XML or CSV formats.

The affected reports were:

- Token Capability Day Report
- Token Capability User Report
- Token Capability Top Usage Report

A new FlexNetManagerSuite.zip package has been created to fix this issue.



Note • You need to import the new package to apply the fix in your environment.

Microsoft JDBC Driver for SQL Server is updated to 7.2 for Admin and Reporting

The version of the JDBC driver has been upgraded due to some known Microsoft issues being fixed.

Version upgrade of commons-fileupload to 1.3.3

The version of the commons-fileupload has been upgraded to prevent an access vulnerability.

Refer to <https://nvd.nist.gov/vuln/detail/CVE-2016-1000031> for more details.

Improved audit trail/history tracking for users that move between Org Structures

When a user is moved between org structures and nodes, these changes are now logged as an audit trail for the user until they are removed from the source data.

License Compatibility

This release does not require an updated license when upgrading from FlexNet Manager for Engineering Applications 2018 R1 (15.8) or FlexNet Manager for Engineering Applications 2016 R2 (15.7). Performing an upgrade from any earlier release will require an updated license to install FlexNet Manager for Engineering Applications 2019 R2.

If you require a new license key, please contact support@flexera.com. Once the license has been created, it will be emailed to the requester, and a copy stored in the Product and License Center. The updated license must then be imported into FlexNet Manager for Engineering Applications 2019 R2.

Upgrade Procedures

Upgrading to FlexNet Manager for Engineering Applications 2019 R2 requires that you start with FlexNet Manager for Engineering Applications 15.3 or later.

You can install FlexNet Manager for Engineering Applications 2019 R2 as an upgrade using your existing hardware. However, for optimal performance, use the specifications described in the section, [System Requirements](#), on page 5.

See the *FlexNet Manager for Engineering Applications 2019 R2 Installation Guide* for upgrade instructions.



Note • Please contact Flexera Support if you need to upgrade from a version of FlexNet Manager for Engineering Applications that is earlier than 15.3.



Important • FlexNet Manager for Engineering Applications 2019 R2 does not support the use of FlexNet Agents before 5.x. It is **strongly** recommended that you migrate all your agents to version 5.x before upgrading the Manager. Any FlexNet Agents that are not migrated before upgrading will be unable to communicate with FlexNet Manager for Engineering Applications 2019 R2 until they have been migrated.

Resolved Issues

The following issues were resolved in the FlexNet Manager for Engineering Applications 2019 R2 release:

Issue Number	Description
IOJ-1754637	Stopping the Admin and Reporting components on Windows does not work when they are running as a service.
IOJ-1757349	FlexNet Manager for Engineering Applications Manager is not starting as a service after it is installed as a service from the command prompt.
IOJ-1818454	Usage Summary Reports do not match across different timeframes.
IOJ-1842502	The "Display_Name" column in the "RPTRT_FEATURE_USER_ACTIVITY" table within the Admin database is not created with the correct length.
IOJ-1852843	Under certain scenarios the Cognos Token Peak report values are higher than expected.
IOJ-1894658	Not closing prepared statements leads to MSSQL memory leaks.
IOJ-1898189	Not all prepared cursors are being closed when necessary, leading to memory leaks.
IOJ-1898709	"Setting Earliest Date in Data Warehouse" parameter is not being considered by aggregation, resulting in aggregation being cancelled.
IOJ-1908164	Cognos Daily and weekly total hours lower than expected after aggregation for Token reports.

Issue Number	Description
IOJ-1988083	Error when running aggregation: "The result set is closed."
IOJ-2071353	Unable to run the specified number of concurrent reports set in the UI. The default setting of 10 is used instead.

System Requirements

To install and configure FlexNet Manager for Engineering Applications 2019 R2, you need a basic understanding of the system environment. The following sections describe the specific requirements.



Important • For upgrade installations, you can install FlexNet Manager for Engineering Applications 2019 R2 using your existing hardware. However, for optimal performance, use the specifications described in this section.

CPU Cores

FlexNet Manager for Engineering Applications 2019 R2 has the following minimum CPU-core requirements. These are separate requirements for each machine.

Server machine	Minimum CPU core requirement
Admin	8-core CPU
Reporting	8-core CPU

Servers

Determine the number of required servers based on the following:

- FlexNet Manager for Engineering Applications has two servers (Admin and Reporting). These two servers should be installed on physically separate machines—the servers *should not share the same hardware*.
- It is recommended that you have a dedicated database server for *each* FlexNet Manager for Engineering Applications server (one database server for Admin and one database server for Reporting).
 - The database server machines should not be shared with FlexNet Manager for Engineering Applications servers.
 - They should be on physically separate hardware from the FlexNet Manager for Engineering Applications servers.

RAM

RAM requirements and recommendations for each component include the following.

Component	RAM requirement
FlexNet Manager for Engineering Applications 2019 R2 Admin server	<ul style="list-style-type: none">8 GB (64-bit JVM) is required16 GB is recommended
FlexNet Manager for Engineering Applications 2019 R2 Reporting server	16 GB High-load: For organizations with a heavy reporting load, it is recommended that the Reporting server run on a 64-bit server with 32 GB RAM.
Database servers	<ul style="list-style-type: none">16 GB for Admin server16 GB for Reporting server
Flexera Analytics 2018 R1	16 GB

Hard Drive Space

FlexNet Manager for Engineering Applications and Flexera Analytics

These are the minimum requirements for hard-drive space.

- FlexNet Manager for Engineering Applications Admin server**—1 GB
- FlexNet Manager for Engineering Applications Reporting server**—1 GB
- Flexera Analytics**—5 GB
- Data directory**—The required space depends upon the volume of report data.
 - If you know the approximate volume of your organization's report data, Flexera recommends the following calculation to help you determine the required hard drive space:
 $(1 \times \text{total size of all report log files}) + (2 \times \text{size of report output})$
 - If you do not know the approximate volume of your organization's report data, 100 GB is the recommended minimum size.

Database Servers

These are the minimum requirements for hard-drive space.



Note • Refer to system requirements from your database vendor and the database-specific appendices in the FlexNet Manager for Engineering Applications 2019 R2 Installation Guide for memory and space recommendations for the machines that hosts the databases.

- **FlexNet Manager for Engineering Applications Admin database**—20 GB
- **FlexNet Manager for Engineering Applications Reporting database**—The required space depends upon the volume of report data and whether your organization uses Flexera Analytics.
 - If you are using only Classic reporting:
 - If you know the approximate volume of your organization’s report data, Flexera recommends the following calculation to help you determine the required hard drive space:
4 × total size of all report log files
 - If you do not know the approximate volume of your organization’s report data, 500 GB is the recommended minimum size.
 - If you are using Flexera Analytics:
 - If you know the approximate volume of your organization’s report data, Flexera recommends the following calculation to help you determine the required hard drive space:
8 × total size of all report log files
 - If you do not know the approximate volume of your organization’s report data, 1 TB is the recommended minimum size.
 - Regardless of the report-data volume, the minimum hard-drive requirement for the Cognos content store is 150 MB.



Tip • Aggregated data for serving Flexera Analytics reports require additional database hard-drive space. The required hard-drive space depends upon the number of organizational structures and your enterprise’s use of Investment Planner functionality. You can manage this space requirement according to your business needs and can reduce it by defining a Usage Data Retention policy using the **Usage Data Maintenance** screen (available under the **Reporting** tab in the FlexNet Manager for Engineering Applications user interface).

Web Browsers

Connect to FlexNet Manager for Engineering Applications using the latest version of one of the following supported Web browsers:

- Google Chrome
- Mozilla Firefox
- Microsoft Internet Explorer



Note • Ensure that Microsoft Internet Explorer is not configured to display FlexNet Manager for Engineering Applications in compatibility view. To check this:

1. From within the browser window, click Tools, then click **Compatibility View settings**.
2. In the **Compatibility View Settings** dialog, ensure that the FlexNet Manager for Engineering Applications Admin website is not listed in the **Websites you’ve added to Compatibility View** box.
3. Clear the **Display intranet sites in Compatibility View** check box.

4. Click **Close**.

Web Servers (for Flexera Analytics 2018 R1)

Historically, FlexNet Report Designer used third party web servers.

Flexera Analytics 2018 R1, however, uses a built-in web server. Third party web servers are therefore not required.

Supported Operating Systems for Different Configurations

FlexNet Manager for Engineering Applications 2019 R2 is compatible with the following operating systems, depending on the FlexNet Manager for Engineering Applications configuration your enterprise deploys. Two FlexNet Manager for Engineering Applications configurations are supported—[FlexNet Manager for Engineering Applications with Flexera Analytics 2018 R1](#) and [FlexNet Manager for Engineering Applications without Flexera Analytics 2018 R1](#).

FlexNet Manager for Engineering Applications 2019 R2 and Flexera Analytics 2018 R1 are only supported for operation with the operating systems listed below. Consult the appropriate third-party documentation for installation and usage information. Flexera assumes that you have an in-depth understanding of your system environment and the operation of these operating systems prior to installing FlexNet Manager for Engineering Applications 2019 R2 and/or Flexera Analytics 2018 R1.

See the section, [Supported Databases](#), for a list of the databases supported for use with both FlexNet Manager for Engineering Applications 2019 R2 and Flexera Analytics 2018 R1.

FlexNet Manager for Engineering Applications with Flexera Analytics 2018 R1



Important • *FlexNet Manager for Engineering Applications 2019 R2 requires Flexera Analytics 2018 R1, if you want to use Flexera Analytics functionality.*

This configuration includes the core FlexNet Manager for Engineering Applications components (Admin and Reporting), as well as Flexera Analytics.

- You can install the FlexNet Manager for Engineering Applications components (Admin and Reporting) to physically separate machines running any of the supported operating systems listed in the section, [Supported Operating Systems Not Using Flexera Analytics 2018 R1](#).
- You must install Flexera Analytics 2018 R1 to a system running one of the supported Microsoft Windows or Linux versions. See the following section, [Supported and Compatible Operating-System Versions Using Flexera Analytics 2018 R1](#).

Supported and Compatible Operating-System Versions Using Flexera Analytics 2018 R1

Flexera Analytics 2018 R1 is supported for use on the listed Microsoft Windows and Red Hat Enterprise Linux (RHEL) versions.

With regard to the use of Flexera Analytics, Flexera distinguishes between *supported* and *compatible* operating systems.

- **Supported operating systems** are those which are currently tested by Flexera.
- **Compatible operating systems** are based on limited testing by Flexera, or on compatibility statements from Flexera partners and/or third-party vendors.

Supported Microsoft Windows Versions

Flexera Analytics 2018 R1 is supported for use with the following versions of Microsoft Windows:

- Microsoft Windows Server 2016
- Microsoft Windows Server 2012 R2 (Standard and Datacenter editions)
- Microsoft Windows Server 2012 (Standard and Datacenter editions)

Compatible Microsoft Windows Versions

Flexera Analytics 2018 R1 is compatible for use with the versions of Microsoft Windows listed on the [Detailed System Requirements](#) page for Cognos Analytics 11.0.11:

<https://www.ibm.com/software/reports/compatibility/clarity-reports/report/html/softwareReqsForProduct?deliverableId=87ECD4B031EF11E8B9DA1016CAD92E2B&osPlatform=Windows>

Supported Linux Versions

Supported operating systems are those which are currently tested by Flexera.

Flexera Analytics 2018 R1 is supported for use with the following versions of Linux:

- Red Hat Enterprise Linux 7.x (x86_64) (with required patches)
- Red Hat Enterprise Linux 6.x (x86_64) (with required patches)

Compatible Linux Versions

Flexera Analytics 2018 R1 is compatible for use with the versions of Linux listed on the [Detailed System Requirements](#) page for Cognos Analytics 11.0.11:

<https://www.ibm.com/software/reports/compatibility/clarity-reports/report/html/softwareReqsForProduct?deliverableId=87ECD4B031EF11E8B9DA1016CAD92E2B&osPlatform=Linux>

FlexNet Manager for Engineering Applications without Flexera Analytics 2018 R1

This configuration includes only the core FlexNet Manager for Engineering Applications components—FlexNet Manager for Engineering Applications Admin and FlexNet Manager for Engineering Applications Reporting. It does not include Flexera Analytics.

Supported Operating Systems Not Using Flexera Analytics 2018 R1

When deploying only the FlexNet Manager for Engineering Applications core components, without Flexera Analytics, the supported operating systems are [Microsoft Windows](#) and [Red Hat Enterprise Linux](#).

Microsoft Windows

- Microsoft Windows Server 2016
- Microsoft Windows Server 2012 R2 (Standard and Datacenter editions)
- Microsoft Windows Server 2012 (Standard and Datacenter editions)

Linux

- Red Hat Enterprise Linux 7.x (x86_64) (with required patches)
- Red Hat Enterprise Linux 6.x (x86_64) (with required patches)

Supported Databases

The following databases and versions are supported for use with the FlexNet Manager for Engineering Applications 2019 R2 components (Admin and Reporting), and with Flexera Analytics 2018 R1.

FlexNet Manager for Engineering Applications 2019 R2 and Flexera Analytics 2018 R1 *are not supported* for operation with other versions of these databases. Consult the appropriate third-party documentation for installation and usage information. Flexera assumes that you have an in-depth understanding of your system environment and the operation of these databases prior to installing FlexNet Manager for Engineering Applications 2019 R2 and/or Flexera Analytics 2018 R1.

If your enterprise plans to use database partitioning and data compression, note the database versions that are required to support partitioning.

Supported Versions for Use Without Partitioning and Data Compression

Database	Version	Edition
Microsoft SQL Server	2016	<ul style="list-style-type: none">• Standard• Enterprise
	2014	<ul style="list-style-type: none">• Standard• Enterprise
	2012	<ul style="list-style-type: none">• Standard• Enterprise
Oracle	12c Release 2	<ul style="list-style-type: none">• Standard• Enterprise

Supported Versions for Use With Partitioning and Data Compression

Database	Version	Edition
Microsoft SQL Server	2016	Enterprise only
	2014	Enterprise only
	2012	Enterprise only
Oracle	12c Release 2	<ul style="list-style-type: none">• Standard• Enterprise



Important • It is strongly recommended that you check with your organization's IT department to determine whether use of these database features will result in an additional cost.

Virtualization Support

FlexNet Manager for Engineering Applications is supported for use with virtualization technologies. Consult your vendor's website to confirm that the operating system compatibility corresponds with the supported operating systems for FlexNet Manager for Engineering Applications.

See the section, [Supported Operating Systems for Different Configurations](#), for information.

If using a cloud provider to provision the infrastructure to run FlexNet Manager for Engineering Applications, make sure that the provider's services meet the minimum standards outlined above for hardware and software. If using a cloud service for the database, be sure that it provides the needed level of access to create and modify the FlexNet Manager for Engineering Applications database.

Supported FlexNet Publisher License Servers

FlexNet Manager for Engineering Applications 2019 R2 supports the following FlexNet Publisher license servers:

- FlexNet Publisher 11.0 through FlexNet Publisher 11.16.1
- FlexNet Publisher 10.0 through FlexNet Publisher 10.8.10
- FlexNet Publisher 9.2

Supported FlexNet Agents

FlexNet Manager for Engineering Applications 2019 R2 is supported for use with the following FlexNet Agent versions:

- FlexNet Agent 5.3.2 and later.

FlexNet Agent 5.5 (or later) is recommended, to ensure compatibility with the broadest range of FlexNet Publisher versions.



Important • FlexNet Agent 4.x is not supported in FlexNet Manager for Engineering Applications 2019 R2. It is **strongly** recommended that you migrate all your agents to version 5.x before upgrading the Manager. Any FlexNet Agents that are not migrated before upgrading will be unable to communicate with FlexNet Manager for Engineering Applications 2019 R2 until they have been migrated.



Note • The **Enable support for managing FlexNet Agent 5.x** option is no longer present in this release, because FlexNet Agent 5.x is enabled by default.

Supported Flexera Analytics Version

FlexNet Manager for Engineering Applications 2019 R2 is supported for use only with Flexera Analytics 2018 R1. If your organization uses Flexera Analytics and you have an earlier version of FlexNet Report Designer deployed, you will need to upgrade to Flexera Analytics 2018 R1.

For full compatibility with FlexNet Manager for Engineering Applications 2019 R2, we recommend that you download and apply this Flexera Analytics package: **FlexNetManagerSuite.zip**. You can find this package For instructions on how to deploy this package, refer to Chapter 5 of the FlexNet Manager for Engineering Applications 2019 R2 Installation Guide, in the “Configure FlexNet Manager for Engineering Applications to work with Flexera Analytics” section.



Important • FlexNet Manager for Engineering Applications Foundation Edition does not include Flexera Analytics.

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