

# FlexNet Manager for Engineering Applications 2016 R1 Release Notes

April 2016

<b>Introduction</b> .....	<b>page 2</b>
<b>New Features</b> .....	<b>page 2</b>
<b>Usage Statistics Reports for Renewals and Remixes</b> .....	page 2
<b>Updated User Interface</b> .....	page 3
<b>Integration with FlexNet Manager for Cloud Infrastructure</b> .....	page 3
<b>Supportability Improvements</b> .....	page 3
<b>HTTPS Support for FlexNet Manager for Engineering Applications Components</b> .....	page 3
<b>SSL Communication Support for Cognos</b> .....	page 3
<b>Upgrade Procedures</b> .....	<b>page 4</b>
<b>Resolved Issues</b> .....	<b>page 4</b>
<b>Enhancements</b> .....	<b>page 5</b>
<b>System Requirements</b> .....	<b>page 5</b>
<b>CPU Cores</b> .....	page 5
<b>Servers</b> .....	page 5
<b>RAM</b> .....	page 6
<b>Hard Drive Space</b> .....	page 6
FlexNet Manager for Engineering Applications and FlexNet Report Designer .....	page 6
Database Servers .....	page 7
<b>Web Browsers</b> .....	page 7
<b>Web Servers (for FlexNet Report Designer 2016 R1)</b> .....	page 8
Supported Web Servers .....	page 8
Compatible Web Servers .....	page 8
<b>Supported Operating Systems for Different Configurations</b> .....	<b>page 9</b>
<b>FlexNet Manager for Engineering Applications with FlexNet Report Designer 2016 R1</b> .....	<b>page 9</b>
Supported and Compatible Microsoft Windows Versions for FlexNet Report Designer 2016 R1 .....	page 9
Supported Microsoft Windows Versions .....	page 10
Compatible Microsoft Windows Versions .....	page 10
<b>FlexNet Manager for Engineering Applications Only</b> .....	<b>page 10</b>
Supported Operating Systems for FlexNet Manager for Engineering Applications Components (Admin and Reporting) .....	page 10
Microsoft Windows .....	page 10

Red Hat Enterprise Linux (RHEL).....	page 10
<b>Supported Databases.....</b>	<b>page 11</b>
<b>Microsoft SQL Server.....</b>	<b>page 11</b>
<b>Oracle.....</b>	<b>page 11</b>
<b>Virtualization Support.....</b>	<b>page 11</b>
<b>Supported FlexNet Publisher License Servers .....</b>	<b>page 12</b>
<b>Supported FlexNet Agents.....</b>	<b>page 12</b>
<b>Legal Information.....</b>	<b>page 12</b>



**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 Software's Product and License Center: <https://flexerasoftware.flexnetoperations.com>.

## Introduction

FlexNet Manager for Engineering Applications enables enterprises to gain a greater understanding of how 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

FlexNet Manager for Engineering Applications 2016 R1 includes the following new features:

- Usage Statistics Reports for Renewals and Remixes
- Updated User Interface
- Integration with FlexNet Manager for Cloud Infrastructure
- Supportability Improvements
- HTTPS Support for FlexNet Manager for Engineering Applications Components
- SSL Communication Support for Cognos

## Usage Statistics Reports for Renewals and Remixes

Developed in conjunction with our customers, FlexNet Manager for Engineering Applications 2016 R1 introduces a new set of usage-statistics reports that can be used for renewal and remix purposes. These 10 new reports provide data on products and features, and include the following:

- Feature Daily Denials and Denials Details
- Product Daily Denials and Denials Details

- Product Peak Count
- Feature Peak Count

## Updated User Interface

FlexNet Manager for Engineering Applications 2016 R1 introduces an updated user interface. In addition, the UI provides an improved navigation bar that enables you to access the page you want in a single click. You can access context-sensitive Help from every page by clicking the Help icon on the right side of the navigation bar.

## Integration with FlexNet Manager for Cloud Infrastructure

Flexera Software's new product, **FlexNet Manager for Cloud Infrastructure**, is fully integrated into the FlexNet Manager for Engineering Applications 2016 R1 product. FlexNet Manager for Cloud Infrastructure enables organizations to track and manage their *public cloud infrastructure* spending and usage by providing data that can be used for chargeback purposes and for resource planning.

**For more information**—Contact Flexera Software Sales.

## Supportability Improvements

FlexNet Manager for Engineering Applications 2016 R1 introduces supportability improvements that will provide a stronger, more streamlined Customer Service experience. Supportability enhancements include the collection of system metrics for a rolling 30-day period. These metrics will assist Flexera Software in providing top-level Customer Support to FlexNet Manager for Engineering Applications customers.

## HTTPS Support for FlexNet Manager for Engineering Applications Components

FlexNet Manager for Engineering Applications 2016 R1 offers support for HTTPS communication between the Admin and Reporting servers.

## SSL Communication Support for Cognos

FlexNet Manager for Engineering Applications 2016 R1 provides support for SSL communication between FlexNet Manager for Engineering Applications and FlexNet Report Designer 2016 R1.

**For more information**—See the *FlexNet Manager for Engineering Applications 2016 R1 Installation Guide*.

# Upgrade Procedures

Upgrading to FlexNet Manager for Engineering Applications 2016 R1 requires that you start with FlexNet Manager for Engineering Applications 15.3 or later.

See the *FlexNet Manager for Engineering Applications 2016 R1 Installation Guide* for upgrade instructions.



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

## Resolved Issues

The following issues were resolved in the FlexNet Manager for Engineering Applications 2016 R1 release.

Issue Number	Description
<b>IOJ-1749200</b>	Report-log rotation fails when files of 0 bytes are contained in report-log directory.
<b>IOJ-1743871</b>	The DISPLAY_NAME column in the RPTRT_FEATURE_USER_ACTIVITY table is limited to 64 characters.
<b>IOJ-1743316</b>	Vulnerabilities found with bundled installation of Cognos and Apache. Removed Apache from the Cognos 10.2.2 installer.
<b>IOJ-1740149</b>	“Agent down” alert error due to missing FlexNet Agent IP address.
<b>IOJ-1738416</b>	Exception triggered when license file name contains spaces.
<b>IOJ-1736824</b>	For license-server-triad creation, user is able to create “triads” with fewer than and more than three license servers.
<b>IOJ-1734229</b>	“Execute reread license server scheduler job” message in server.log file is displayed as ERROR, when it should be displayed as INFO.
<b>IOJ-1724258</b>	Classic reports: Unique User report sometimes fails with “Unknown error” exception.
<b>IOJ-1744746</b>	Aggregation produces no report data when data repository contains less than 2 MB of data.

# Enhancements

The following customer-requested enhancements are available in FlexNet Manager for Engineering Applications 2016 R1.

Issue Number	Description
<b>IOJ-1737685</b>	Add support for Oracle 12c.
<b>IOJ-1722880</b>	Enable FlexNet Report Designer to run over SSL.

# System Requirements

To install and configure FlexNet Manager for Engineering Applications 2016 R1, you need a basic understanding of the system environment. The following sections describe the specific requirements.

## CPU Cores

FlexNet Manager for Engineering Applications 2016 R1 has the following minimum CPU-core requirements. These are separate requirements for each machine.

Server machine	Minimum CPU core requirement
<b>Admin</b>	8-core CPU
<b>Reporting</b>	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
<b>FlexNet Manager for Engineering Applications 2016 R1 Admin server</b>	<ul style="list-style-type: none"><li>8 GB (64-bit JVM) is required</li><li>16 GB is recommended</li></ul>
<b>FlexNet Manager for Engineering Applications 2016 R1 Reporting server</b>	16 GB <b>High-load:</b> For organizations with a heavy reporting load, it is recommended that the Reporting server run on a 64-bit server with 32 GB RAM.
<b>Database servers</b>	<ul style="list-style-type: none"><li>16 GB for Admin server</li><li>16 GB for Reporting server</li></ul>
<b>FlexNet Report Designer 2016 R1</b>	4 GB

## Hard Drive Space

Hard-drive-space requirements for FlexNet Manager for Engineering Applications components and database servers depend on the volume of reporting data.

## FlexNet Manager for Engineering Applications and FlexNet Report Designer

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
- FlexNet Report Designer**—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 Software 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.



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**Note** • Refer to system requirements from your database vendor and the database-specific appendices in the FlexNet Manager for Engineering Applications 2016 R1 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 FlexNet Report Designer.
  - If you are using only Classic reporting:
    - If you know the approximate volume of your organization's report data, Flexera Software recommends the following calculation to help you determine the required hard drive space:  
 $4 \times$  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 FlexNet Report Designer:
    - If you know the approximate volume of your organization's report data, Flexera Software recommends the following calculation to help you determine the required hard drive space:  
 $8 \times$  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.



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**Tip** • Aggregated data for serving FlexNet Report Designer 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 one of the following supported Web browsers:

- Mozilla Firefox, version 40 (and future fix packs)
- Microsoft Internet Explorer, version 11.x (and future fix packs)



**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 FlexNet Report Designer 2016 R1)

If you are using FlexNet Report Designer 2016 R1, you must install, configure, and test a supported web server.

FlexNet Report Designer 2016 R1 is supported for use only on the following web servers. With regard to the use of FlexNet Report Designer, Flexera Software distinguishes between *supported* and *compatible* web servers.

Refer to the installation, configuration, and testing documentation provided by the web-server vendor.

### Supported Web Servers

Supported web servers are those which are currently tested by Flexera Software.

- Apache HTTP Server, 2.2 and future fix packs
- Microsoft Internet Information Services 7.0, 7.5, 8.0, 8.5, and their future fix packs

### Compatible Web Servers

Compatibility is based on limited testing by Flexera Software or on compatibility statements from Flexera Software partners and/or third-party vendors.

FlexNet Report Designer 2016 R1 is compatible for use with the web servers and versions listed on the Detailed System Requirements page for Cognos Business Intelligence 10.2.2.0:

<http://www-969.ibm.com/software/reports/compatibility/clarity-reports/report/html/prereqsForProduct?deliverableId=1391013543612#sw-18>

To view the web servers, click the **Supported Software** tab, then click the **Web Servers** link.



# Supported Operating Systems for Different Configurations

FlexNet Manager for Engineering Applications 2016 R1 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 FlexNet Report Designer 2016 R1](#) and [FlexNet Manager for Engineering Applications Only](#).

FlexNet Manager for Engineering Applications 2016 R1 and FlexNet Report Designer 2016 R1 are not supported for operation with other versions of these operating systems. Consult the appropriate third-party documentation for installation and usage information. Flexera Software 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 2016 R1 and/or FlexNet Report Designer 2016 R1.

See the section, [Supported Databases](#), for a list of the databases supported for use with both FlexNet Manager for Engineering Applications 2016 R1 and FlexNet Report Designer 2016 R1.

## FlexNet Manager for Engineering Applications with FlexNet Report Designer 2016 R1



**Important** • *FlexNet Manager for Engineering Applications 2016 R1 requires FlexNet Report Designer 2016 R1, if you want to use FlexNet Report Designer functionality.*

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

- 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 for FlexNet Manager for Engineering Applications Components \(Admin and Reporting\)](#).
- You must install FlexNet Report Designer 2016 R1 to a system running one of the supported Microsoft Windows versions. See the following section, [Supported and Compatible Microsoft Windows Versions for FlexNet Report Designer 2016 R1](#).

## Supported and Compatible Microsoft Windows Versions for FlexNet Report Designer 2016 R1

FlexNet Report Designer 2016 R1 is supported for use only on the listed Microsoft Windows versions. With regard to the use of FlexNet Report Designer, Flexera Software distinguishes between *supported* and *compatible* operating systems.

## Supported Microsoft Windows Versions

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

FlexNet Report Designer 2016 R1 is supported for use with the following versions of Microsoft Windows:

- Windows server 2008 R2 Enterprise SP1
- Windows server 2008 Enterprise SP2
- Windows server 2012 (Standard and Datacenter editions)
- Windows server 2012 R2 (Standard and Datacenter editions)

## Compatible Microsoft Windows Versions

Compatibility is based on limited testing by Flexera Software or on compatibility statements from Flexera Software partners and/or third-party vendors.

FlexNet Report Designer 2016 R1 is compatible for use with the versions of Microsoft Windows listed on the Detailed System Requirements page for Cognos Business Intelligence 10.2.2.0:

<http://www-969.ibm.com/software/reports/compatibility/clarity-reports/report/html/softwareReqsForProduct?deliverableId=1391013543612&osPlatform=Windows>

# FlexNet Manager for Engineering Applications Only

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 FlexNet Report Designer.

## Supported Operating Systems for FlexNet Manager for Engineering Applications Components (Admin and Reporting)

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

### Microsoft Windows

- Microsoft Windows Server 2012 (Standard, Enterprise, Web, Datacenter Editions)
- Microsoft Windows Server 2008 R2 (Standard, Enterprise, Web, Datacenter Editions)
- Microsoft Windows Server 2008 SP2 (Standard, Enterprise, Web, Datacenter Editions)
- Microsoft Windows Server 2008 (Standard, Enterprise, Web, Datacenter Editions)

### Red Hat Enterprise Linux (RHEL)

- Red Hat Enterprise Linux 7.x (x86\_64) (with required patches)
- Red Hat Enterprise Linux 6.x (x86\_64) (with required patches)

# Supported Databases

FlexNet Manager for Engineering Applications 2016 R1 and FlexNet Report Designer 2016 R1 both require database servers to operate. The following databases and versions are supported for use with the FlexNet Manager for Engineering Applications 2016 R1 components (Admin and Reporting), and with FlexNet Report Designer 2016 R1.

FlexNet Manager for Engineering Applications 2016 R1 and FlexNet Report Designer 2016 R1 *are not supported* for operation with other versions of these databases. Consult the appropriate third-party documentation for installation and usage information. Flexera Software 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 2016 R1 and/or FlexNet Report Designer 2016 R1.

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

## Microsoft SQL Server

### Supported Versions for Use Without Partitioning and Data Compression

- Microsoft SQL Server 2014, Standard and Enterprise Editions
- Microsoft SQL Server 2012, Standard and Enterprise Editions

### Supported Versions for Use With Partitioning and Data Compression

- Microsoft SQL Server 2014 Enterprise Edition
- Microsoft SQL Server 2012 Enterprise Edition

## Oracle

The use of database partitioning and data compression is supported by Oracle 12c, Standard and Enterprise editions.

Oracle 12c, Standard and Enterprise editions—For FlexNet Report Designer, the Oracle 12c client is required on the machine where FlexNet Report Designer is installed.



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**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.

# Supported FlexNet Publisher License Servers

FlexNet Manager for Engineering Applications 2016 R1 supports the following FlexNet Publisher license servers:

- FlexNet Publisher 11.0 through FlexNet Publisher 11.13.1
- FlexNet Publisher 10.0 through FlexNet Publisher 10.8.10
- FlexNet Publisher 9.x
- FlexNet Publisher 8.x

## Supported FlexNet Agents

FlexNet Manager for Engineering Applications 2016 R1 is supported for use with the following FlexNet Agent versions:

- FlexNet Agent 5.3.x and later. FlexNet Agent 5.3.2 (or later) is recommended, to ensure compatibility with the broadest range of FlexNet Publisher versions.
- FlexNet Agent 4.x. The most recent FlexNet Agent 4.x release is recommended, to ensure compatibility with the broadest range of FlexNet Publisher versions.



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**Important** • It is recommended that you deploy either FlexNet Agent 4.x or FlexNet Agent 5.x, but **do not** have a mixed deployment of both versions.

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