



FLEXERA SOFTWARE™

# FlexNet Manager®

for Engineering Applications

## FlexNet Manager for Engineering Applications 15.2 Release Notes

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**Note** • These release notes are not cumulative. If you are upgrading from a release other than the most recent release, also consult the release notes that accompany the intermediate releases. You can access the release notes archive from Flexera Software's download site, *FlexNet Operations On Demand* (<https://flexerasoftware.subscribenet.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 15.2 includes the following new features:

- [Organizational Structure Integration with LDAP](#)
- [Third-Party License Server Administration](#)
- [Borrowed License Reporting](#)

## Organizational Structure Integration with LDAP

With this release, FlexNet Manager for Engineering Applications provides a mechanism for importing and updating your organizational structures via a direct connection to an LDAP server (in addition to XML import).

**For more information**—See the section, *Importing Organizational-Structure Data from LDAP*, in the *FlexNet Manager for Engineering Applications 15.2 Online Help Library* or the *FlexNet Manager for Engineering Applications 15.2 User Guide*.

## Third-Party License Server Administration

FlexNet Manager for Engineering Applications 15.2 introduces support for managing *third-party license servers* (license servers other than FlexNet Publisher and IBM LUM). This release provides a development platform for the Flexera Software Global Consulting Services team to deliver customizations to support active management of third-party licensing systems on a case-by-case basis.

**For more information**—See the section, *Managing Third-Party License Servers*, in the *FlexNet Manager for Engineering Applications 15.2 Online Help Library* or the *FlexNet Manager for Engineering Applications 15.2 User Guide*.

Contact Flexera Software for information about engaging Global Consulting Services.

# Borrowed License Reporting

FlexNet Manager for Engineering Applications 15.2 introduces expanded reporting and analysis capabilities for usage-based licenses to include reporting on borrowed licenses. This release includes four new reports that provide information about borrowed licenses, and two new properties in the data model—Borrowed Usage Events and Peak Borrowed Licenses.

**For more information**—See the following report descriptions in the *FlexNet Report Designer 15.2 Guide (Package 2012, Version 1.0.01)*: Peak Borrowed Licenses by Feature, Peak Borrowed Licenses vs. Total Peak Licenses, Users with Borrowed Licenses List, and Tier Borrowed License Usage. This document also contains descriptions of the properties Borrowed Usage Events and Peak Borrowed Licenses.

# Upgrade Procedures

Upgrading to FlexNet Manager for Engineering Applications 15.2 requires that you start with FlexNet Manager for Engineering Applications 15.x, 14.x, or FlexNet Manager for Engineering Applications 12. See the *FlexNet Manager for Engineering Applications 15.2 Installation Guide* for upgrade instructions.

Contact Flexera Software Support if you need to upgrade from a version of FlexNet Manager for Engineering Applications that is earlier than 12.

# Resolved Issues

The following issues were resolved in the FlexNet Manager for Engineering Applications 15.2 release.

Issue Number	Description
<b>IOC-000088376</b>	In an organizational structure, a user cannot specify the same node name in multiple organizations (for example, when the same department appears in multiple divisions within an enterprise). An enterprise should be able to specify the same intermediate node name—there may be multiple Engineering nodes, each part of a different geographic location.
<b>IOB-000061457</b>	Enable users to export custom Cognos reports using export functionality available from the IBM Cognos Administration screen.
<b>IOA-000066928</b>	While aggregating report data, FlexNet Manager for Engineering Applications displays debug messages for tier-based aggregation, when the “Tier-Based Reporting” setting in System Configuration   Reporting is not selected.

# Enhancements

The following customer-requested enhancements are available in FlexNet Manager for Engineering Applications 15.2.

Issue Number	Description
<b>IOB-000048595</b> <b>IOB-000047981</b>	LDAP integration—Provide integration with LDAP for organizational-structure information and to enable customers to use LDAP information in reports.
<b>IOC-000005983</b> <b>IOC-000085972</b> <b>IOB-000059337</b> <b>IOC-000005982</b>	Borrowed license reporting—Enable customers to report on licenses that have been borrowed.

## System Requirements

To install and configure FlexNet Manager for Engineering Applications 15.2, you need a basic understanding of the system environment. The following sections describe the specific requirements.

### 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 can be installed on the same machine or on separate machines; however, it is recommended that you install the servers on separate machines if your licensing environment has more than 100 vendor daemons.
- The database server machine should not be shared with FlexNet Manager for Engineering Applications servers.

### RAM

RAM requirements for each component include:

- **FlexNet Manager for Engineering Applications Admin server**—At least 1.5 GB RAM (32-bit JVM). 4 GB (64-bit JVM) is recommended for a licensing environment with more than 100 vendor daemons.
- **Database server**—At least 4 GB RAM (more RAM may be required if the database server has additional load from other applications).
- **FlexNet Manager for Engineering Applications Reporting server**—If your enterprise has more than 300 users using engineering applications, it is recommended that the FlexNet Manager for Engineering Applications Reporting server run on a 64-bit server with 4 GB RAM.



**Note** • If your enterprise needs to use more than 2 GB of RAM with either the Reporting or the Admin server, it is recommended that you run the server as a 64-bit application to improve performance. See the *FlexNet Manager for Engineering Applications 15.2 Installation Guide* for instructions on running FlexNet Manager for Engineering Applications as a 64-bit application.

## Hard Drive Space

Hard drive space requirements include:

- **FlexNet Manager for Engineering Applications server**—Required space depends upon the volume of report data. Flexera Software recommends the following calculation to help you determine the required hard drive space:

$(1 \times \text{total size of all report log files}) + (2 \times \text{size of report output})$

- **Database server**—Required space depends upon the volume of report data. Flexera Software recommends the following calculation to help you determine the required hard drive space:
  - **When using only Classic Reporting:**  $4 \times \text{total size of all report log files}$
  - **When using Report Designer (Cognos):** Aggregated data for serving Report Designer (Cognos) 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, but typically could double the database server space requirement to  $8 \times \text{total size of all report log files}$ . 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).

See system requirements from your database vendor and the database-specific appendices in the *FlexNet Manager for Engineering Applications 15.2 Installation Guide* for memory and space recommendations for the machine that hosts the database.

## Web Browsers

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

- Microsoft Internet Explorer, version 7.x and 8.x
- Mozilla Firefox, version 3.5 and 3.6

# Supported Operating Systems for FlexNet Manager for Engineering Applications Configurations

FlexNet Manager for Engineering Applications 15.2 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](#) and [FlexNet Manager for Engineering Applications Core Modules Only](#).

FlexNet Manager for Engineering Applications 15.2 and FlexNet Report Designer 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 15.2 and/or FlexNet Report Designer.

See the section, [Supported Databases](#), for a list of the databases supported for use with both FlexNet Manager for Engineering Applications 15.2 and FlexNet Report Designer.

## FlexNet Manager for Engineering Applications with FlexNet Report Designer

This configuration includes the core FlexNet Manager for Engineering Applications components (Admin and Reporting), as well as FlexNet Report Designer, which is powered by Cognos. The supported operating systems for this configuration depend on whether you are installing FlexNet Report Designer to the same machine as the FlexNet Manager for Engineering Applications components.

- **Installing to a single server**—If you are installing all components to the same machine, FlexNet Manager for Engineering Applications with FlexNet Report Designer is supported for installation on specified versions of Microsoft Windows and Red Hat Enterprise Linux. See one of the following sections—[Supported and Compatible Microsoft Windows Versions for FlexNet Report Designer](#) or [Supported Red Hat Enterprise Linux \(RHEL\) Versions for FlexNet Report Designer](#)—for a list of supported OS versions.
- **Installing to separate servers**—If you are installing FlexNet Report Designer to a separate machine, you can install the FlexNet Manager for Engineering Applications components (Admin and Reporting) to a machine 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 to one of the Microsoft Windows or Red Hat Enterprise Linux versions listed in one of the sections: [Supported and Compatible Microsoft Windows Versions for FlexNet Report Designer](#) or [Supported Red Hat Enterprise Linux \(RHEL\) Versions for FlexNet Report Designer](#).

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

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

- Microsoft Windows Server 2008 R2 (Standard and Enterprise Editions)
- Microsoft Windows Server 2008 SP2 (Standard)

## 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 is compatible for use with the following versions of Microsoft Windows:

- Microsoft Windows Server 2008 R2 (Web and Datacenter Editions)
- Microsoft Windows Server 2008 SP2 (Enterprise Editions)
- Microsoft Windows Server 2008 SP2 (Web, Enterprise, and Datacenter Editions)
- Microsoft Windows Server 2008 (Standard and Enterprise Editions)
- Microsoft Windows Server 2008 (Web and Datacenter Editions)
- Microsoft Windows Server 2003 SP2 (Standard and Enterprise Editions) with required patches
- Microsoft Windows Server 2003 SP2 (Web and Datacenter Editions) with required patches
- Microsoft Windows Server 2003 R2 SP2 (Standard and Enterprise Editions) with required patches
- Microsoft Windows Server 2003 R2 SP2 (Web and Datacenter Editions) with required patches
- Microsoft Windows XP Professional SP3

## Supported Red Hat Enterprise Linux (RHEL) Versions for FlexNet Report Designer

FlexNet Report Designer is supported for use only on the listed RHEL versions. Supported operating systems are those which are currently tested by Flexera Software.

- Red Hat Enterprise Linux 5.x (x86) (with required patches)
- Red Hat Enterprise Linux 4.6 (x86) (with required patches)

## FlexNet Manager for Engineering Applications Core Modules Only

This configuration includes only the core FlexNet Manager for Engineering Applications modules—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 modules, without Report Designer, the supported operating systems are [Microsoft Windows](#), [Red Hat Enterprise Linux](#), and [Sun Solaris](#).

## Microsoft Windows

- 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)
- Microsoft Windows Server 2003 SP3 (Standard, Enterprise, Web, Datacenter Editions) (with required patches)
- Microsoft Windows 7
- Microsoft Windows Vista SP1 and SP2
- Microsoft Windows XP Professional SP3

## Red Hat Enterprise Linux (RHEL)

- Red Hat Enterprise Linux 5.x (x86, x86\_64) (with required patches)
- Red Hat Enterprise Linux 4.x (x86, x86\_64) (with required patches)

## Sun Solaris

- Sun Solaris 10 SPARC
- Sun Solaris 9 SPARC

## Supported Databases

FlexNet Manager for Engineering Applications 15.2 and FlexNet Report Designer both require database servers to operate. The following databases and versions are supported for use with the FlexNet Manager for Engineering Applications components (Admin and Reporting) and with FlexNet Report Designer.

FlexNet Manager for Engineering Applications 15.2 and FlexNet Report Designer 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 15.2 and/or FlexNet Report Designer.



## Microsoft SQL Server



**Note** • The use of Microsoft SQL Server is not supported if FlexNet Report Designer is installed on a system running RHEL.

- Microsoft SQL Server 2008 R2
- Microsoft SQL Server 2008
- Microsoft SQL Server 2005 R2
- Microsoft SQL Server 2005

## Oracle

- Oracle 11g Release 2—For FlexNet Report Designer, the Oracle 11g Release 2 client is required on the machine where FlexNet Report Designer is installed.
- Oracle 11g Release 1—For FlexNet Report Designer, the Oracle 11g Release 1 client is required on the machine where FlexNet Report Designer is installed.
- Oracle 10g Release 2—For FlexNet Report Designer, the Oracle 10g Release 2 client is required on the machine where FlexNet Report Designer is installed.
- Oracle 10g Release 1—For FlexNet Report Designer, the Oracle 10g Release 1 client is required on the machine where FlexNet Report Designer is installed.

## Virtualization Support

FlexNet Manager for Engineering Applications is supported for use with Microsoft HyperV and VMware 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 FlexNet Manager for Engineering Applications Configurations](#), for information.

## Supported FlexNet Publisher License Servers

FlexNet Manager for Engineering Applications 15.2 supports the following FlexNet Publisher license servers:

- FlexNet Publisher 11.0 through FlexNet Publisher 11.10.1
- 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 15.2 is supported for use with FlexNet Agent version 4.0 and later.

## Known Issues

A list of known issues for the FlexNet Manager for Engineering Applications 15.2 release is available from the Flexera Software support site. To see the list, sign in to <http://support.flexerasoftware.com/main/Default.aspx> with your support user name and password and then [click here](#) to view Knowledge Base article Q207771, which lists known issues for the current release.