FlexNet Manager for Engineering Applications 2020 R1 Release Notes

August 2020

📄

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 on the Flexera Product Documentation site, docs.flexera.com.*

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

FlexNet Manager for Engineeering Applications 2020 R1 includes the following new features:

- PostgreSQL Support
- TLS 1.3 Support
- More Frequent Log Rotation

PostgreSQL Support

Support for a new open source object-relational database PostgreSQL version 10.0 and later is available for the admin and reporting databases. In this release partitioning of the reporting databases when using PostgreSQL is not supported.

TLS 1.3 Support

The latest and most secure TLS 1.3 version is now supported.

More Frequent Log Rotation

Support for more frequent log rotation intervals of 30 seconds and 1 minute is now available.

📄

Note • *This feature is only supported by FlexNet Manager For Engineeering Agent version 5.7 and above.*

Changes from Previous Releases

The following are changes from previous releases:

- FlexNet Analytics 2020 R1
- Agent Support on Solaris 11.x
- Duplicates and Total Used Columns is added in Usage Summary Report

FlexNet Analytics 2020 R1

Flexera Analytics now utilizes the Long Term Support version 11.0.13 Fix Pack 3.

Agent Support on Solaris 11.x

FlexNet Manager For Engineering Agent 5.7 is now available for the Solaris 11.x SPARC.

Duplicates and Total Used Columns is added in Usage Summary Report

Duplicates

A column "Duplicates" added to Usage Summary Report. The value in this column is the number of licenses requests where duplicate grouping was used to prevent the need to use a new license.

Total Used

A column "Total Used" added to Usage Summary Report.The value in this column is Total number of license hours used. Unlike **Hours**, this includes license hours where the usage was reduced due to duplicate-grouping, and as such may be greater than **Hrs Avail**.

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 2020 R1.

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 2020 R1.

Upgrade Procedures

Upgrading to FlexNet Manager for Engineering Applications 2020 R1 requires that you start with FlexNet Manager for Engineering Applications 15.3 or later.

You can install FlexNet Manager for Engineering Applications 2020 R1 as an upgrade using your existing hardware. However, for optimal performance, use the specifications described in the section, System Requirements, on page 4.

See the *FlexNet Manager for Engineering Applications 2020 R1* 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 2020 R1 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 2020 R1 until they have been migrated.*

Resolved Issues

The following issues were resolved in the FlexNet Manager for Engineering Applications 2020 R1 release:

Issue Number	Description
IOJ-2082186	Scheduling a report in Cognos fails
IOJ-2094705	Usage Summary Report not correct when using breakdowns on data that includes Duplicate Grouping
IOJ-1865316	"Next" button is missing in 'Add Groups' view
IOJ-1737277	A user of "View and Subscribe Alerts" role is able to add agent or delete license
IOJ-2110540	Results are not displayed in "Concurrent by Feature Summary" Page
IOJ-1755542	Unable to delete nodes from an org structure that has been imported from xml
IOJ-2093664	FOREIGN KEY constraint errors in flexnet.log

System Requirements

To install and configure FlexNet Manager for Engineering Applications 2020 R1, you need a basic understanding of the system environment. The following sections describe the specific requirements.

- CPU Cores

- Servers

- RAM

- Hard Drive Space

- Web Browsers

- Web Servers (for Flexera Analytics 2020 R1)

Important • For upgrade installations, you can install FlexNet Manager for Engineering Applications 2020 R1 using your existing hardware. However, for optimal performance, use the specifications described in this section.

CPU Cores

FlexNet Manager for Engineering Applications 2020 R1 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 2020 R1 Admin server	• 8 GB (64-bit JVM) is required • 16 GB is recommended
FlexNet Manager for Engineering Applications 2020 R1 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	• 16 GB for Admin server • 16 GB for Reporting server
Flexera Analytics 2020 R1	16 GB

Hard Drive Space

The following sections list the hard drive space system requirements:

- FlexNet Manager for Engineering Applications and Flexera Analytics
- Database Servers

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 × total size of all report log files) + (2 x 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 2020 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 Flexera Analytics.

  - **Classic reporting**—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.

  - **Flexera Analytics**—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

- Microsoft Edge

> 📄 **Note** • *Ensure that Microsoft Internet Explorer is not configured to display FlexNet Manager for Engineering Applications in compatibility view. To check this:*
>
> **a.** *From within the browser window, click Tools, then click* **Compatibility View settings**.
>
> **b.** *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.*
>
> **c.** *Clear the* **Display intranet sites in Compatibility View** *check box.*
>
> **d.** *Click* **Close**.

Web Servers (for Flexera Analytics 2020 R1)

Historically, FlexNet Report Designer used third party web servers.

Flexera Analytics 2020 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 2020 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 Flexera Analytics 2020 R1 and FlexNet Manager for Engineering Applications without Flexera Analytics 2020 R1.

FlexNet Manager for Engineering Applications 2020 R1 and Flexera Analytics 2020 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 2020 R1 and/or Flexera Analytics 2020 R1.

See the section, Supported Databases, for a list of the databases supported for use with both FlexNet Manager for Engineering Applications 2020 R1 and Flexera Analytics 2020 R1.

FlexNet Manager for Engineering Applications with Flexera Analytics 2020 R1

> 📄 **Important** • *FlexNet Manager for Engineering Applications 2020 R1 requires Flexera Analytics 2020 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 2020 R1.

- You must install Flexera Analytics 2020 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 2020 R1.

Supported and Compatible Operating-System Versions Using Flexera Analytics 2020 R1

Flexera Analytics 2020 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.

The following sections list the supported and compatible operating system version using Flexera Analytics 2020 R1:

- Supported Microsoft Windows Versions

- Compatible Microsoft Windows Versions

- Supported Linux Versions

- Compatible Linux Versions

Supported Microsoft Windows Versions

Flexera Analytics 2020 R1 is supported for use with the following versions of Microsoft Windows:

- Microsoft Windows Server 2019 (Standard and Datacenter editions)

- 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 2020 R1 is compatible for use with the versions of Microsoft Windows listed on the Detailed System Requirements page for Cognos Analytics 11.0.13 Fix Pack 3:

https://www.ibm.com/software/reports/compatibility/clarity-reports/report/html/softwareReqsForProduct?deliverableId=133544F0545D11E88CA35FB9AF6FA368&osPlatform=Windows

Supported Linux Versions

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

Flexera Analytics 2020 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 2020 R1 is compatible for use with the versions of Linux listed on the Detailed System Requirements page for Cognos Analytics 11.0.13 Fix Pack 3:

https://www.ibm.com/software/reports/compatibility/clarity-reports/report/html/softwareReqsForProduct?deliverableId=133544F0545D11E88CA35FB9AF6FA368&osPlatform=Linux

FlexNet Manager for Engineering Applications without Flexera Analytics 2020 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 2020 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 2019 (Standard and Datacenter editions)
- Microsoft Windows Server 2016
- Microsoft Windows Server 2012 R2 (Standard and Datacenter editions)
- Microsoft Windows Server 2012 (Standard and Datacenter editions)

Red Hat Enterprise 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 2020 R1 components (Admin and Reporting), and with Flexera Analytics 2020 R1.

FlexNet Manager for Engineering Applications 2020 R1 and Flexera Analytics 2020 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 2020 R1 and/or Flexera Analytics 2020 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
- Supported Versions for Use With Partitioning and Data Compression

Supported Versions for Use Without Partitioning and Data Compression

The following table lists the supported database versions for use *without* partitioning and data compressions:

Database	Version	Edition
Microsoft SQL Server	2012	- Standard - Enterprise
	2014	- Standard - Enterprise
	2016	- Standard - Enterprise
	2017	- Standard - Enterprise
	2019	- Standard - Enterprise
Oracle	12c Release 2	- Standard - Enterprise
	19c	- Standard - Enterprise
PostgreSQL	12.0	
	10.0	

Supported Versions for Use With Partitioning and Data Compression

The following table lists the supported database versions for use *with* partitioning and data compressions.

Database	Version	Edition
Microsoft SQL Server	2012	Enterprise only
	2014	Enterprise only
	2016	Enterprise only
	2017	Enterprise only
	2019	Enterprise only
Oracle	12c Release 2	• Standard • Enterprise
	19c	• 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 2020 R1 supports the following FlexNet Publisher license servers:

● FlexNet Publisher 11.0 through FlexNet Publisher 11.17.0

● FlexNet Publisher 10.0 through FlexNet Publisher 10.8.10

● FlexNet Publisher 9.2

Supported FlexNet Agents

FlexNet Manager for Engineering Applications 2020 R1 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 2020 R1. 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 2020 R1 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 2020 R1 is supported for use only with Flexera Analytics 2020 R1. If your organization uses earlier Flexera Analytics version or older FlexNet Report Designer version , you will need to upgrade to Flexera Analytics 2020 R1. We recommend that you download and apply the new Flexera Analytics package.

For full compatibility with FlexNet Manager for Engineering Applications 2020 R1, 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 2020 R1 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.

Legal Information

Copyright Notice

Flexera is strictly prohibited. Except where expressly provided by Flexera in writing, possession of this publication shall not be construed to confer any license or rights under any Flexera intellectual property rights, whether by estoppel, implication, or otherwise.

All copies of the technology and related information, if allowed by Flexera, must display this notice of copyright and ownership in full.

Intellectual Property

For a list of trademarks and patents that are owned by Flexera, see https://www.flexera.com/legal/intellectual-property.html. All other brand and product names mentioned in Flexera products, product documentation, and marketing materials are the trademarks and registered trademarks of their respective owners.

Restricted Rights Legend

The Software is commercial computer software. If the user or licensee of the Software is an agency, department, or other entity of the United States Government, the use, duplication, reproduction, release, modification, disclosure, or transfer of the Software, or any related documentation of any kind, including technical data and manuals, is restricted by a license agreement or by the terms of this Agreement in accordance with Federal Acquisition Regulation 12.212 for civilian purposes and Defense Federal Acquisition Regulation Supplement 227.7202 for military purposes. The Software was developed fully at private expense. All other use is prohibited.