



FLEXERA SOFTWARE™

FlexNet Manager® Suite for Enterprises

FlexNet Manager Suite 2015 R2 SP4

FlexNet Manager Suite 2015 Release 2 Service Pack 4

Release Notes

April 15, 2016

Contents

- Introduction 2**
- New Features 2**
 - Support for Microsoft Universal Application Platform 2
- Changes from Previous Releases 2**
 - Last used date column added to properties of user-based licenses 2
 - Additional Oracle Database inventory collection option 3
 - Removal of Windows directories from FlexNet Agent scans 3
 - Removal of redundant services FlexNet Inventory Agent 3
- License Agreement 3**
- Installation and Upgrade Procedures..... 4**
 - License compatibility 4
- Resolved Issues 4**
- System Requirements..... 6**
 - Hardware requirements 7
 - Pre-requisite software 8
 - Compatibility with other products 10
- Known Issues..... 13**
- Other Resources and Links 13**
 - Documentation..... 13
 - Other links 13

Introduction

FlexNet Manager Suite provides software asset, hardware asset, and contract management for enterprises across 15,000 publishers and 175,000 applications. It reports detailed installed software, application usage, and purchase information, and reconciles these to provide a matching license position. It inventories virtual environments and Oracle databases, imports inventory from Microsoft System Center Configuration Manager (SCCM) and other inventory tools through configurable adapters, and seamlessly integrates with Enterprise Resource Planning (ERP), Human Resources (HR), Active Directory (AD) and Purchase Order (PO) systems. With its built-in library of 975,000 Stock Keeping Unit numbers (SKUs), for automated PO to inventory reconciliation and support for the latest license models, FlexNet Manager Suite is used by enterprises to gain control of and optimize spend across their software estate.

These release notes contain information about FlexNet Manager Suite, covering:

- FlexNet Manager Platform
- FlexNet Manager for IBM
- FlexNet Manager for Microsoft
- FlexNet Manager for Oracle
- FlexNet Manager for SAP Applications
- FlexNet Manager for Symantec
- FlexNet Manager for VMware

The following products in the suite have their own separate release notes:

- FlexNet Manager for Engineering Applications
- Workflow Manager

New Features

Support for Microsoft Universal Application Platform

Inventory can now be collected for Microsoft's Universal Application Platform (UAP). This requires connection to System Center Configuration Manager (SCCM) version 1511 (2016). The Application Recognition Library (ARL) will be extended with the addition of these applications using the same process as other applications.

Changes from Previous Releases

Last used date column added to properties of user-based licenses

When viewing the related software licenses for a user, two additional columns for 'Last used date' and 'Access mode' have been added to this page.

Additional Oracle Database inventory collection option

The inventory collection component `ndtrack` has been enhanced with an option to collect the Oracle database inventory as an externally-authenticated (`non-sysdba`) user. You can achieve this by setting the following parameters:

- `OracleInventoryAsSysdba=false`
- `OracleInventoryUser =<OPS$ user>`

These values can be set as command-line options, or in the appropriate `config.ini` file. For more information, see the *Oracle Discovery and Inventory* chapter in the *FlexNet Manager Suite System Reference* guide.

Removal of Windows directories from FlexNet inventory agent scans

By default, the FlexNet Inventory Agent, Scanner and Zero-touch inventory will now exclude the Windows operating system directories when scanning for file evidence. This is achieved with a new default value `$(WindowsFolder)` for the `ExcludeDirectory` preference.

Removal of redundant services in FlexNet inventory agent

The following services are now redundant, so they have been removed from the FlexNet inventory agent for Windows:

Flexera Inventory Manager installation agent

Service Name: `ndGlobalLauncher`
The installation agent server

Flexera Inventory Manager peer-to-peer download service

Service Name: `mgsdl`
The peer-to-peer download service, once used for application deployment

License Agreement

If your company has purchased a license and signed a software license agreement with Flexera Software or an authorized Flexera Software reseller, the terms and conditions of that agreement govern all use of this software. Otherwise, use of this software, on either an evaluation or a fully-paid license basis, is subject to the terms and conditions of the FlexNet Manager “click-through” End User License Agreement, which can be found in the downloaded installation package.

If you do not agree with the terms of the applicable software license agreement, you may not install FlexNet Manager Suite onto any of your computers or, if already installed, you must remove it from all computers on which it is installed. You must also return or destroy all copies of the software in your possession.

Installation and Upgrade Procedures

This FlexNet Manager Suite 2015 R2 SP4 release contains all installation media required for a full installation of this product. It does not require the previous installation of FlexNet Manager Suite to be present.

Due to the scale of changes contained in this release, a full installation is required.

There are four documents that provide instructions for installing and upgrading to FlexNet Manager Suite 2015 R2 SP4.

- “Installing FlexNet Manager Suite 2015 R2 SP4 On Premises”
- “Installing FlexNet Manager Suite 2015 R2 SP4 for a Managed Service”
- “Upgrading FlexNet Manager Suite from 2014 Rx to 2015 R2 SP4 On Premises”. *This is designed for upgrades from FlexNet Manager Platform, version 2014 or later*
- “Migrating to FlexNet Manager Suite 2015 R2 SP4 On Premises”. *This covers migration from FlexNet Manager Platform 9.23 or earlier to FlexNet Manager Suite 2015 R2 SP4).*

These are contained in the **Installation Documentation for FlexNet Manager Suite 2015 R2 SP4** archive that is available from the [Product and License Center](#) and the [Customer Community Documentation](#) site. They are also available through the title page of online help for on premises implementations.

License compatibility

You can download licenses from the [Product and License Center](#). If you do not have a compatible license available, then please contact your account manager or Flexera Software Support who can request that it be added to your account.

Licenses for FlexNet Manager Platform 9.0 and later are compatible with FlexNet Manager Suite 2015 R2 SP4.

Resolved Issues

The following issues have been resolved in **FlexNet Manager Suite 2015 R2 SP4** release since the release of **FlexNet Manager Suite 2015 R2 SP3**.

Issue Number	Summary
FNMS-21210	"Device Assets without Inventory" is displayed as an "Inventory Device" when using custom views
FNMS-21501	Redundant application deployment peer-2-peer service to be removed from FlexNet Agent installer
FNMS-21664	Unprocessed purchases page fails with red error bar, and is unusable when multiple recommendations exist for a single purchase
FNMS-23572	Internal server configuration details are displayed if a one off upload fails
FNMS-24918	Enterprise group changes are not recorded in history

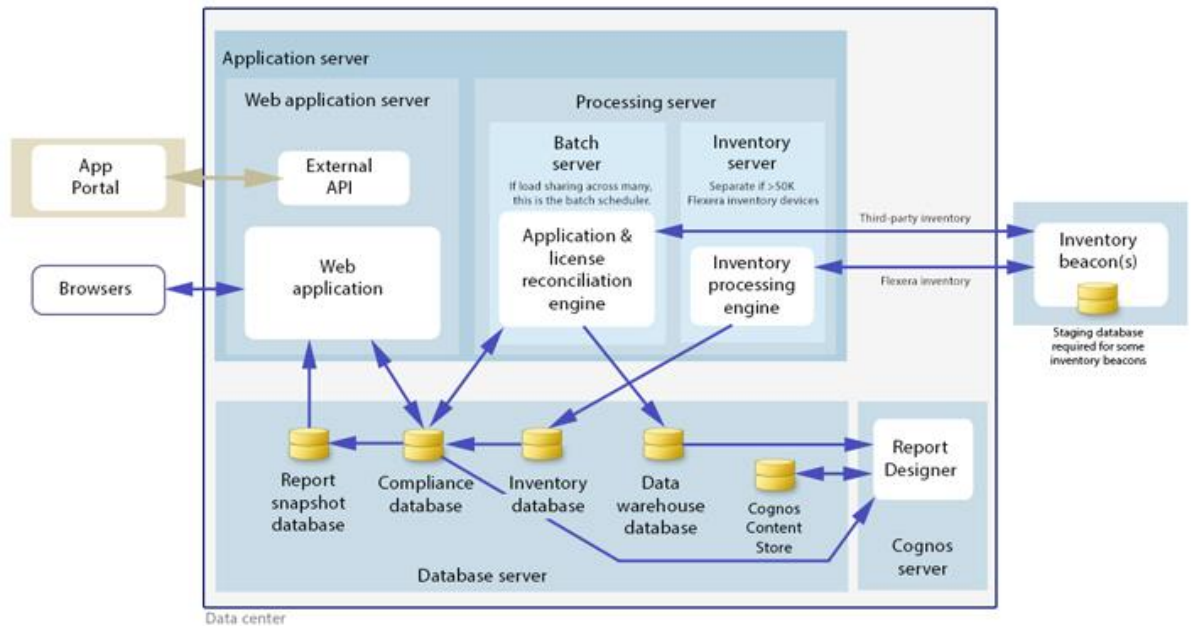
FNMS-26589	An export from ServiceNow to FlexNet Manager Suite does not finish with the status = Completed
FNMS-27104	A user may consume a Named User licence, to which they are not allocated, when their computer is used by another user
FNMS-27150	Some filters added in the Report Builder preview screen are not saved
FNMS-27236	Grid modifications of custom reports are not transferred to new report following 'Save as'
FNMS-27445	Active Directory writers may fail if info from one domain imported from multiple "ManageSoft" source databases
FNMS-27542	FlexNet Inventory Agent installation has the potential to restart the services of other applications on Windows
FNMS-27846	ServiceNow imports are limited to 500 rows of data
FNMS-28136	Manually linking a maintenance or upgrade purchase to a license through the purchase properties page does not set the correct entitlement transaction type
FNMS-28302	Setting the time zone to Moscow results in incorrect time displayed
FNMS-28311	Virtual Machines are reported as not having a host when the host is assigned to an existing orphan Virtual Machine manually
FNMS-2844	ILMT reader fails when database collation of Temp database and FNMP database are different
FNMS-28798	Error when creating a contract, of type other than General, and attempting to change the Evergreen property
FNMS-29247	Local Oracle inventory on Unix fails if instance is in oratab file but tnsnames.ora file or sqlnet.ora file is not in \$ORACLE_HOME/network/admin directory
FNMS-29364	The "Task type" column is no longer available in the System Tasks page after an upgrade to FlexNet Manager Suite 2015 R2 SP2
FNMS-29663	Non privileged users can use the installation agent to gain elevated privileges
FNMS-29671	The Beacon fails to download the recommendations for SAP when the SAPConsumption table contains an apostrophe in accountobjectdetails column
FNMS-29682	Inventory collection component crashes if the listener.ora file contains invalid syntax
FNMS-29770	Processed Purchase header text is inappropriate as manually linked licenses do not appear in processed purchases
FNMS-29781	An unexpected error message is displayed when accessing the 'Discovery & Inventory > Settings' page
FNMS-29808	An Active Directory import will fail when the objectSid property is empty
FNMS-29851	PVU Hardware inventory overwrites software inventory for the same device
FNMS-29935	Cross-site-scripting (XSS) security vulnerability on the Activity and System health pages, where the supplied URL, appended with a malicious script, could be returned without filtering the extension.

FNMS-29954	BatchProcessor.config file is not updated when upgrading a FlexNet Manager Suite installation
FNMS-29974	Third party inventory sources may have inconsistent domain data that can result in duplicate users
FNMS-29994	A third MLS baseline import will set the original assigned entitlements value to '0' if the baseline is older than the previous import
FNMS-30069	Missing translations for some strings in the "We have a problem" page
FNMS-30349	VDI Endpoint usage collection agent does not work on Citrix VDA version 7.0 and later due to modified registry keys
FNMS-30424	XenDesktop inventory returns a maximum of 250 VDI devices
FNMS-30581	Slow processing of .ndi (inventory) files when multiple files are copied to the incoming directory
FNMS-30635	Performance issue with SAP import in FlexNet Manager Suite Cloud
FNMS-30699	Inventory agent, zero footprint agent & lightweight scanner should exclude Windows directory from default scans
FNMS-30728	Maintenance only purchases, when linked to a license, wrongly appear to add license entitlements.
FNMS-30758	FlexNet Manager Suite 2015 R2 SP3 XenApp (Server Agent) adapter is not backwards compatible with pre 2015 R2 SP3 staging databases
FNMS-30803	SCCM adapter inventory imports Operating System file evidence, which is unnecessary.
FNMS-30809	In a multi-database system the web caching of static database tables could result in filter dropdowns showing values from other databases
FNMS-30818	File evidences may be discarded from an SCCM import if detected in directories other than the Windows OS directory
FNMS-30839	Local Oracle Inventory on Windows has been broken from version 2015 R2 SP1
FNMS-30982	FlexNet Inventory Agent may crash on upload when using MgsADSiteMatch NetSelector algorithm
FNMS-31008	One off uploads with an uploaded file name longer than 27 characters may break imports

System Requirements

The system requirements are based on typical implementations in the range of 10,000 to 200,000 devices. For larger implementations, please contact the Flexera Software Global Consulting Services team through your account manager for assistance in the implementation design and deployment.

The following diagram shows the structure of a typical implementation:



Please consult the “Installing FlexNet Manager Suite 2015 R2 SP4 On Premises” guide for recommendations on how many servers are appropriate for your implementation.

See the Knowledge Base article [FlexNet Manager for SAP Applications sizing guidelines](#) for information on sizing an implementation that uses only SAP-related functionality.

Hardware requirements

Application server

- **Processors:** 4 cores, with up to 8 cores if more than 100 operators
- **Memory:** 8GB
- **System drive:** 40GB

Database server

- **Processors:** 4 cores per 100 operators
- **Memory:** 8GB, with an additional 2GB per 10,000 devices over 50,000 devices
- **System drive:** 40GB
- **Data drives:** (typical figures based on “simple” database recovery model)
 - **Operations database data:** 4GB per 10,000 devices
 - **Operations database logs:** 20GB per 10,000 devices
 - **Report snapshot database data:** 5GB per 10,000 devices
 - **Report snapshot database logs:** 5GB per 10,000 devices
 - **Data warehouse database data:** 3GB per 10,000 devices
 - **Data warehouse database logs:** 1GB per 10,000 devices
 - **tempdb data:** 5GB per 10,000 devices
 - **tempdb logs:** 1GB per 10,000 devices
 - **Total:** 43.5GB per 10,000 devices

FlexNet Beacon

- **Memory:** 1GB minimum, 2GB or higher recommended
- **Minimum free disk space:** 1GB per 10,000 devices

FlexNet Inventory Agent

- **Memory:** 512MB minimum, 2GB or higher recommended
- **Minimum free disk space:** 25MB installation + 100MB workspace

Pre-requisite software

The table below describes the supported operating systems and software pre-requisites of FlexNet Manager Suite 2015 R2 SP4 at the time of release. Unless otherwise noted, support for a particular release includes support for all official service packs issued against the same release.

Component	Operating system	Pre-requisite software
Application server	<ul style="list-style-type: none"> • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 SP1-SP2 • Windows Server 2008 x64 SP1-SP2 	<ul style="list-style-type: none"> • .NET Framework 4.0 or 4.5.x • If using .NET Framework 4.0: Microsoft .NET Framework updates: KB2600211 and KB2836939 • Internet Explorer 9.0 to 11.0 • Microsoft Internet Information Services 7.0 to 8.5 • Microsoft Message Queuing (MSMQ) • Microsoft Access Database Engine (32 bit) • SQL Server features: Client Tools Connectivity, Management Tools
Database Server	<ul style="list-style-type: none"> • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 SP1 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP2 	<ul style="list-style-type: none"> • SQL Server 2014 • SQL Server 2012 • SQL Server 2008 R2 • SQL Server 2008 <p>Notes:</p> <ol style="list-style-type: none"> 1. Multi-tenant installations require the Enterprise Edition of SQL Server. Single-tenant installations can use any edition of SQL Server. 2. The FlexNet Report Designer (Cognos) database does not support SQL Server 2014.
Cognos server	<ul style="list-style-type: none"> • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 SP1 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP2 	<ul style="list-style-type: none"> • Apache 2.2.25 <p>Note: Cognos server is not supported in Multi-tenant installations</p>
Admin module transport for FlexNet Manager for SAP Applications	<ul style="list-style-type: none"> • SAP Basis release between 7.0 and 7.4 	<ul style="list-style-type: none"> • The SAP GUI matching the SAP release must be installed • ActiveX must be installed

Component	Operating system	Pre-requisite software
Satellite transport for FlexNet Manager for SAP Applications	<ul style="list-style-type: none"> • SAP Basis release between 4.6C and 7.4 	
Web browser	<ul style="list-style-type: none"> • Internet Explorer 9.0 to 11.0 (if not using FlexNet Report Designer) • Internet Explorer 9.0 (if using FlexNet Report Designer) • Edge 2 (if not using FlexNet Report Designer) • Firefox 24 and above • Chrome 34 and above • Safari 6, 7 <p>Note: A minimum viewing area of 1024 horizontal pixels is required.</p>	<ul style="list-style-type: none"> • Silverlight 5 is required for multi document upload support in Internet Explorer, Firefox and Chrome.
FlexNet Inventory Agent	<ul style="list-style-type: none"> • Windows Server 2012 R2 SP1 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 Server Core • Windows Server 2008 R2 x64 • Windows Server 2008 Server Core • Windows Server 2008 Server Core • Windows Server 2008 x64 Server Core • Windows Server 2008 x64 • Windows Server 2003 R2 • Windows Server 2003 R2 x64 • Windows Server 2003 • Windows Server 2003 x64 • Windows XP Professional • Windows XP Professional x64 • Windows XP Home • Windows Vista • Windows Vista x64 • Windows 7 • Windows 7 x64 • Windows 8 • Windows 8 x64 • Windows 10 • Windows 10 x64 • Ubuntu 12 - 15 (Intel only) • Debian 6, 7 (Intel only) • RedHat Linux 8 and 9 (Intel only) • RedHat Enterprise Linux 3, 4, 5, 6 (Intel only) • CentOS 4 – 7 (Intel only) • Fedora 6 – 11 & 18 – 23 (Intel only) 	

Component	Operating system	Pre-requisite software
	<ul style="list-style-type: none"> Oracle Linux 4.5 – 7.0 (Intel only) SuSE Professional 12, 13 (Intel only) SuSE Enterprise Server 11 & 12 (Intel only) Solaris 9, 10, 11 (Intel), Zones for versions 10 & 11 Solaris 8, 9, 10, 11 (SPARC), Zones for versions 10 & 11 Mac OS X 10.6, 10.7, 10.8, 10.9, 10.10, 10.11 AIX 5.2, 5.3, 6.1, 7.1, LPARs HP-UX 11.00, 11i, 11i v2, 11i v3, vPars/nPars 	
FlexNet Beacon	<ul style="list-style-type: none"> Windows Server 2012 R2 Windows Server 2012 Windows Server 2008 R2 x64 Windows Server 2008 Windows Server 2008 x64 Windows 7 Windows 7 x64 Windows 8 Windows 8 x64 Window 10 Windows 10 x64 	<ul style="list-style-type: none"> .NET Framework 4.0 or 4.5.x If using .NET Framework 4.0: Microsoft .NET Framework updates: KB2600211, KB2836939 and KB2468871 Internet Explorer 9.0 to 11.0 Oracle OLE DB Provider (32 bit), version 10.2.0.3 or later (for Oracle Database inventory) IBM OLE DB Provider (32 or 64 bit) (for connections to import data from DB2 databases). Whether the driver is 32 or 64 bit is determined by the operating system, for 64 bit operating systems the 64 bit drivers are required. PowerShell 3.0

Compatibility with other products

This section describes the compatibility of FlexNet Manager Suite 2015 R2 SP4 with other Flexera Software products at the time of release. Please refer to knowledge base article [Supported Configurations for FlexNet Manager Suite 2015 R2 SP4](#) for the latest configuration information about this release, which may be more recent than the information below.

Installation on the same server

The following table lists the supported versions of components that can be installed on the same server as a FlexNet Manager Suite 2015 R2 SP4 application server.

Component	Version that can be installed on the same server as FlexNet Manager Suite 2015 R2 SP4
FlexNet Inventory Agent	2015 R2 SP4
FlexNet Beacon	2015 R2 SP4

Component	Version that can be installed on the same server as FlexNet Manager Suite 2015 R2 SP4
FlexNet Report Designer	2014 R2

Integration with other products

FlexNet Manager Suite can import data from a number of other products / components. The following table details their supported versions:

Product / component	Versions that can be imported from
Deployment Manager / Flexera Inventory Manager	8.4, 8.5, 8.6, 9.0, 9.1, 9.2
Microsoft SMS/SCCM	2003, 2007, 2012, 2012 R2, 1511 (2016)
IBM License Metric Tool (ILMT)	7.2, 7.5, 9.0, 9.1 (when running on an IBM DB2 database)
IBM Software Usage Analysis (SUA)	9.0, 9.1 (when running on an IBM DB2 database)
Microsoft Exchange ActiveSync	2007, 2010
Symantec Altiris	6.5, 7.1, 7.5
BMC Atrium Discovery and Dependency Mapping (ADDM)	8.3, 9.0, 10.0, 10.1, 10.2
BMC Atrium CMDB	8.1 together with Atrium Integrator version 8.1
BMC Remedy ITSM Applications	7.6.04 SP4
HP Discovery and Dependency Mapping Inventory (DDMI)	9.10, 9.30
HP Universal Discovery (HPUD)	10.10, 10.11
BladeLogic Client Automation (Marimba)	8.2
Tivoli End Point Manager (BigFix)	8.2
ServiceNow	Fuji, Eureka, Dublin
IBM Passport Advantage	as of Nov 2014
FlexNet Manager for Engineering Applications	14, 15.1, 15.2, 15.3, 15.4, 15.5
FlexNet Manager for SAP Applications	5.6 – 2015 R2
Citrix XenApp Server	6.0, 6.5, 7.5, 7.6

Product / component	Versions that can be imported from
Citrix XenApp EdgeSight	5.4, 7.6 (requires a Platinum license)
Citrix XenDesktop	5.6, 7.5, 7.6
Microsoft App-V Integration Server	4.6, 5.0, 5.1
Oracle Database	8i, 9i, 10g, 11g, 11g Release 2, 12c
VMware vSphere vCenter ESX / ESXi	2.0 to 6.1 2.0 to 6.1 Note remote inventory is not possible on the free license versions of ESXi
Hyper-V	Running on <ul style="list-style-type: none"> • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 Server Core • Windows Server 2008 R2 x64 • Windows Server 2008 x64 Server Core • Windows Server 2008 x64
Oracle VM Server for x86	3.2, 3.3

Inventory components

The following table lists the versions of the FlexNet Beacon and FlexNet Inventory Agent that can be managed by FlexNet Manager Suite 2015 R2 SP4.

Component	Compatible versions
FlexNet Beacon	2014 to 2015 R2 SP4 Please refer to compatibility with Citrix below
FlexNet Inventory Agent (Windows)	8.4 to 9.2 and 2014 to 2015 R2 SP4
FlexNet Inventory Agent (Linux)	
FlexNet Inventory Agent (Solaris)	
FlexNet Inventory Agent (Mac OS X)	
FlexNet Inventory Agent (AIX)	
FlexNet Inventory Agent (HP-UX)	

Component	Compatible versions
Citrix XenApp Server Agent	2014 R3 to 2015 R2 SP4

Compatibility of FlexNet Beacon with Citrix XenApp

Gathering Citrix XenApp inventory is not supported with a FlexNet Beacon version 2014 when reporting to FlexNet Manager Suite 2015 R2 SP4. In this case, FlexNet Beacon must be upgraded to version 2014 R2 or later.

FlexNet Report Designer compatibility

The following versions of FlexNet Report Designer are compatible with FlexNet Manager Suite 2015 R2 SP4.

Component	Compatible versions
FlexNet Report Designer	2014 R2

Known Issues

A list of known issues for the FlexNet Manager Suite 2015 R2 SP4 release is available from the Flexera Software support site. Please refer to Knowledge Base article [Known Issues for FlexNet Manager Suite 2015 R2 SP4](#) for details.

Other Resources and Links

Documentation

Documentation for FlexNet Manager Suite 2015 R2 SP4 is provided as online help. From the web user interface, click the question mark icon to launch the help. Additional PDF documents are available from the title page of the online help. Note that both the online help and the additional PDF documents are customized for their different contexts, so that appropriate differences exist between the on premises and cloud versions of all documentation. On-premises customers can also access the additional PDF files from the [Product and Licensing Center](#).

For installation and upgrade documentation, please refer to the section in this document called [Installation and Upgrade Procedures](#).

Other links

Item	Description	Link
Flexera Software website	Information about Flexera Software	http://www.flexerasoftware.com
Support	Support website, including the	http://flexerasoftware.force.com/

Item	Description	Link
	knowledge base	
Product downloads	Flexera Software Product and License Center	https://flexerasoftware.flexnetoperations.com/
Email sign-up for product announcements	For notification of FlexNet Manager Suite software updates, including hot fixes	http://learn.flexerasoftware.com/SLO-FMS-Software-Content-Library-Updates?