



FLEXERA SOFTWARE™

FlexNet Manager® Suite for Enterprises

FlexNet Manager Suite 2015 R2 SP2

FlexNet Manager Suite Release 2 Service Pack 2

Release Notes

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Introduction

FlexNet Manager Suite provides software asset, hardware asset, and contract management for enterprises across 15,000 publishers and 170,000 applications. It reports detailed installed software, application usage, and purchase information, and reconciles these to provide a matching license position. It reports detail installed software, application usage, and purchase versus installed license reconciliation. It inventories virtual environments and Oracle databases, imports Microsoft System Center Configuration Manager (SCCM) inventory, including 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 850,000 Stock Keeping Units (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 SAP Applications
- FlexNet Manager for Microsoft
- FlexNet Manager for Symantec
- FlexNet Manager for IBM
- FlexNet Manager for Oracle
- 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

There are no new features included in this release:

Changes from Previous Releases

This section highlights important changes to consider when migrating from a previous FlexNet Manager Suite release.

Microsoft License Summary

Once a Microsoft License Summary has been uploaded into FlexNet Manager Suite, the document will be attached to each purchase that was created as a part of that import.

Compatibility with other products

Extended compatibility has been added for Citrix XenApp Server and XenDesktop 7.6.

FlexNet agent now supports Mac OSX 10.11 & Ubuntu 14 & 15.

Oracle Discovery and Inventory

A new chapter on Oracle Discovery and Inventory Collection has been added to the *System Reference* guide.

Software ID Tags

When un-installing Adobe applications, the `Software ID Tag` is typically not removed, which has resulted in recognising applications that are no longer installed. A fix has been introduced to ensure that this evidence is no longer imported. This is achieved by reading the status of the `EntitlementRequiredIndicator` in the tag file, and only importing evidence when this is set to `True`.

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 onto any of your computers or, if already installed, you must remove 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 R2 SP2 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 available from the [Product and License Center](#) that provide instructions for installing and upgrading to FlexNet Manager Suite 2015:

- “Installing FlexNet Manager Suite 2015 R2 SP2 On Premises”
- “Installing FlexNet Manager Suite 2015 R2 SP2 Multi-Tenant”
- “Upgrading FlexNet Manager Suite from 2014 Rx to 2015 R2 SP2 On Premises”
- “Migrating to FlexNet Manager Suite 2015 R2 SP2 On Premises” (covers migrating an installation from FlexNet Manager Platform 9.2 SP3 or earlier to FlexNet Manager Suite 2015 R2 SP2).

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.

Resolved Issues

The following issues have been resolved in **FlexNet Manager Suite 2015 R2 SP2** release since **FlexNet Manager Suite 2015 R2 SP1**.

Issue Number	Summary
FNMS-21252	ServiceNow adapter needs a method to enable a full and differential upload
FNMS-23002	Performance of custom report creation with search string needs improvement
FNMS-2316	Un-installed Adobe applications may still be recognised when SWID tag is not deleted
FNMS-23583	Cannot scroll "Duplicate Serial Number" pop-up dialog when over 21 duplicates are found
FNMS-23603	Batch scheduler host name configuration is overwritten with the default value during an upgrade
FNMS-23907	Inventory Error report field 'Problem Summary' is not properly formatted when Oracle inventory failed
FNMS-24926	Retirement creates unlinked history entries for every application on a computer
FNMS-25994	French translations are missing for Cognos model and reports
FNMS-26147	License history may show properties changing that are unrelated to the license type
FNMS-26421	Cognos custom report may return a Metadata error if it uses the License Computer Link insertable object
FNMS-26486	Retired licenses showing up in under-consumed licenses from Management Dashboard
FNMS-26945	The export to .csv for 'Show User License Recommendations' tab may time out in the SAP Simulations grid.
FNMS-27025	Logging into FNMP-C may be slow, or result in an "Unexpected Error", during high workload
FNMS-27069	Duplicate VMware inventory data prevents any data from being displayed in the VMware Inventory page
FNMS-27251	Active Directory upload will fail when data field is greater than 64 characters
FNMS-27380	"Alternate bulk user count" is the wrong name. Should be changed to "Additional bulk user count" for Oracle Named User Plus license > license properties > Consumption tab
FNMS-27395	PO Line items, created through MLS import with unit price = zero, is failing to generate "Purchase is missing Unit price....." alert message.

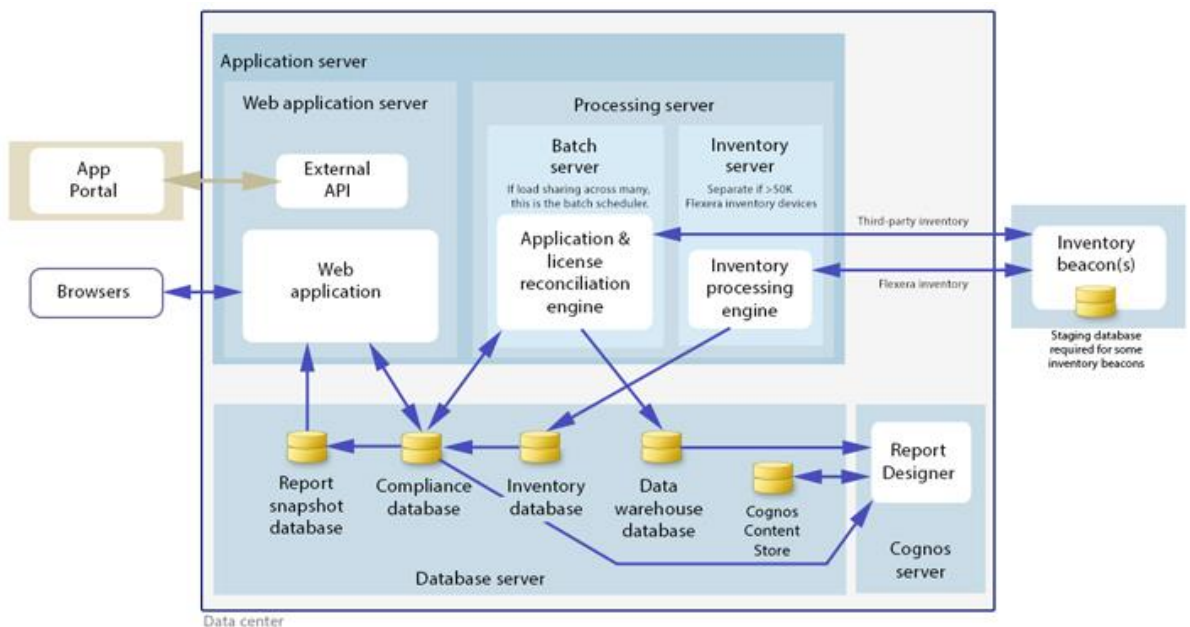
FNMS-27508	All Purchases Grid is calculating the Total Price Incorrectly when Unit price rate differs from Sales tax and / or Shipping and Handling rates
FNMS-27574	Installer evidence from Altiris adapter does not match standard ARL evidence patterns
FNMS-27579	Exchange Server edition information is not retrieved when the inventorySettings.xml file is missing an attribute
FNMS-27626	FlexNet Agent unable to download policy file due to unusually long file name
FNMS-27658	FNMS importer may fail when importing duplicate usage data
FNMS-27750	CSV/Spreadsheet import fails when tempdb and FNMP databases have different collation
FNMS-27774	History tables are displaying the "Add filter" option, which should not appear
FNMS-27776	License Reconcile may fail with a divide by zero error when unrelated use rights are set to 0
FNMS-27796	License Reconcile fails when ComputerName is NULL
FNMS-27798	False error recorded in beacon-services.log when the Beacon requests a policy
FNMS-27800	Accessing Data Inputs page results in database deadlock following upgrade to 2015 R2 SP1
FNMS-27831	Software license allocations are not removed after the MGSBI business data import.
FNMS-27832	Tivoli Computer.xml import error due to MAC address containing an empty string
FNMS-27895	App-V adapter can fail when user name is larger than 128 characters
FNMS-27896	HP DDMI adapter does not support unicode characters in key fields
FNMS-27911	Computer custom properties are not loaded when selecting multiple computer objects
FNMS-27918	An error description from the MLS upload does not state which spreadsheet (tab) is causing the issue, only the cell reference
FNMS-27920	Default file size setting is too small for some MLS upload customer files
FNMS-27961	Performance improvements for SAP reports
FNMS-28013	Slow loading of License Computer consumption page
FNMS-28016	System Settings > Assets fails to save when tracking certain asset combinations
FNMS-28037	Enhance the 'find-ability' of the help icon, which is currently blue on blue
FNMS-28055	Loading License Simulation page may take many minutes to open
FNMS-28063	Remote connection to Mac 10.11 and Ubuntu15 computers fails due to incompatibility with OpenSSH 6.9
FNMS-28091	UI performance of properties pages in Chrome is unacceptably slow
FNMS-28129	Slow loading of License properties in the consumption grid when displaying 10K+ rows
FNMS-28150	App Portal search of the FNMS ARL will not return applications where the version field is empty

FNMS-28161	Resolving an Inventory file fails when a package contains multiple rows
FNMS-28167	local oracle inventory would not work if SID contains UPPERCASE characters
FNMS-28298	Oracle Database User data not being displayed in FNMS 2015 R2 SP1
FNMS-28582	After FNMS 2015 R2 SP1 upgrade, beacon subnets imported from AD may be deleted
FNMS-28585	EdgeSight installer evidence can only link to a single XenApp installer evidence record
FNMS-28607	Suite recognition rule runs before precedence rule, resulting in some SQL Server applications remaining visible
FNMS-28614	Saving a license applies its contract inheritance to all other licenses

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 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, 1GB or higher recommended
- **Minimum free disk space:** 25MB

Pre-requisite software

The table below describes the supported operating systems and software pre-requisites of FlexNet Manager Suite 2015 R2 SP2 at the time of release. Please refer to Knowledge Base article [Supported Configurations for FlexNet Manager Suite 2015 R2 SP2](#) for the latest configuration information about this release, which may be more recent than the information below.

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• 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,

Component	Operating system	Pre-requisite software
		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"> Multi-tenant installations require the Enterprise Edition of SQL Server. Single-tenant installations can use any edition of SQL Server. 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
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 	<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 	<ul style="list-style-type: none"> Internet Explorer 9.0 to 11.0 (Windows platforms only)

Component	Operating system	Pre-requisite software
	<ul style="list-style-type: none"> 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, 5, 6 (Intel only) • Fedora 6 – 11 (Intel only) • Oracle Linux 4.5 – 6.6 (Intel only) • SuSE Professional 12, 13 (Intel only) • SuSE Enterprise Server 11 (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 • Windows 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

Component	Operating system	Pre-requisite software
		<p>is determined by the operating system, for 64 bit operating systems the 64 bit drivers are required.</p> <ul style="list-style-type: none"> PowerShell 3.0

Compatibility with other products

This section describes the compatibility of FlexNet Manager Suite 2015 R2 SP2 with other Flexera Software products at the time of release. Please refer to knowledge base article [Supported Configurations for FlexNet Manager Suite 2015 R2 SP2](#) 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 SP2 application server.

Component	Version that can be installed on the same server as FlexNet Manager Suite 2015 R2 SP2
FlexNet Inventory Agent	2015 R2 SP2
FlexNet Beacon	2015 R2 SP2
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
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.x (when running on an IBM DB2 database)
Microsoft Exchange ActiveSync	2007, 2010
Symantec Altiris	6.5, 7.1, 7.5

Product / component	Versions that can be imported from
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
Citrix XenApp EdgeSight	5.4
Citrix XenDesktop	5.6, 7.5, 7.6
Microsoft App-V	4.6, 5.0, 5.1 Note: 5.0 & 5.1 only supported when using SCCM inventory.
Oracle Database	8i, 9i, 10g, 11g, 11g Release 2, 12c
VMware vCenter	2.0 to 5.5
VMware ESX/ESXi Server	3.0 to 5.5 Note: As of ESXi 3.5 Update 4, remote inventory is not possible on the free license versions of ESXi
VMware vSphere	4.0 to 5.5
Hyper-V	Running on <ul style="list-style-type: none"> • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 x64 Server Core

Product / component	Versions that can be imported from
	<ul style="list-style-type: none"> 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 SP2.

Component	Compatible versions
FlexNet Beacon	2014, 2014 R2, 2014 R3, 2015, 2015 R2, 2015 R2 SP1, 2015 R2 SP2 Please refer to compatibility with Citrix below
FlexNet Inventory Agent (Windows)	8.4, 8.5, 8.6, 9.0, 9.1, 9.2, 2014, 2014 R2, 2014 R3, 2015, 2015 R2, 2015 R2 SP1, 2015 R2 SP2
FlexNet Inventory Agent (Linux)	
FlexNet Inventory Agent (Solaris)	
FlexNet Inventory Agent (Mac OS X)	
FlexNet Inventory Agent (AIX)	
FlexNet Inventory Agent (HP-UX)	
Citrix XenApp Server Agent	2014 R3, 2015, 2015 R2, 2015 R2 SP1, 2015 R2 SP2

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 SP2. 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 SP2.

Component	Compatible versions
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Component	Compatible versions
FlexNet Report Designer	2014 R2

Known Issues

A list of known issues for the FlexNet Manager Suite 2015 R2 SP2 release is available from the Flexera Software support site. Please refer to Knowledge Base article [Known Issues for FlexNet Manager Suite 2015 R2 SP2](#) for details.

Other Resources and Links

Documentation

Documentation for FlexNet Manager Suite 2015 R2 SP2 is provided as online help. From the web user interface, click the question mark icon to launch the help.

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 knowledge base	http://flexerasoftware.force.com/
Product downloads	Flexera Software Product and License Center	https://flexerasoftware.flexnetoperations.com/