



FLEXERA SOFTWARE™

FlexNet Manager® Suite for Enterprises

FlexNet Manager Suite 2015

Release Notes

Updated April 20, 2016

Contents

Introduction	2
New Features	2
IBM Acceptance of Processor Value Unit (PVU) Sub-Capacity Calculations.....	2
Changes from previous releases	3
Key components of the application server and beacon are now 64-bit.....	3
Batch Scheduler.....	3
Built-in additional language support	3
Multi-Edit of Licenses	4
Grid usability improvements	4
One-off purchase imports	4
LDAPS Support.....	4
License Agreement	4
Installation and Upgrade Procedures.....	4
License compatibility	5
Resolved Issues	5
System Requirements.....	6
Hardware requirements	6
Pre-requisite software	7
Compatibility with other products	9
Known Issues.....	11
Other Resources and Links	12
Documentation.....	12

Introduction

FlexNet Manager Suite provides software asset, hardware asset, and contract management for enterprises across 15,000 publishers and 150,000 applications. 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, and seamlessly integrates with Enterprise Resource Planning (ERP), Human Resources (HR), and Purchase Order (PO) systems. With its built-in 700,000 Stock Keeping Unit (SKU) library 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 Adobe
- 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

FlexNet Manager for IBM 2015 includes the following new features:

IBM Acceptance of Processor Value Unit (PVU) Sub-Capacity Calculations

FlexNet Manager for IBM 2015 data used to determine a license position on IBM software is accepted by IBM for sub-capacity reporting in lieu of IBM License Metric Tool (ILMT), Tivoli Asset Discovery for Distributed (TADd) or IBM Software Usage Analysis (SUA).

The IBM PVU License Consumption report has been enhanced for record keeping purposes and two new reports introduced

- IBM PVU Out-Of-Date Inventory
- IBM PVU Overridden Inventory

In the event where multiple inventory data sources are used, the Flexera inventory must be configured as the primary source.

The FlexNet agent has been enhanced so that a hardware inventory scan can be performed multiple times per day, with a default frequency of every 30 minutes. This is to ensure that hardware changes impacting the calculation of “Peak” PVU consumption are tracked on a timely basis. To minimize server performance and network traffic, the FlexNet agent only uploads the hardware inventory if something has changed.

Changes from previous releases

This section highlights important changes that customers migrating from a previous FlexNet Manager Suite release should be aware of

Key components of the application server and beacon are now 64-bit

Key components of application server and beacon are now native 64-bit executables. As a result, the application server must be installed on a 64-bit operating system. The beacon and agents continue to support both 32 and 64 bit operating systems. This change improves the reliability of very large data grid exports, SAP imports and the scale of the license reconcile process.

If inventory connections are configured to read from an IBM DB2 database (e.g. ILMT) on a 64-bit operating system, 64-bit versions of the DB2 drivers must be installed on the application server or beacon.

Batch Scheduler

All batch processing tasks on the FlexNet Manager Suite server now run via the batch scheduler service. The batch scheduler takes care of prioritizing tasks and running them in parallel where possible.

The batch scheduler now requires the Microsoft Message Queuing (MSMQ) component.

Custom Microsoft Task Scheduler tasks will need to be reviewed and updated after upgrading to FlexNet Manager Suite 2015.

Microsoft Task Scheduler results now only indicate success or failure to schedule the task in the queue. The success or failure of a task should be reviewed in the web interface.

Built-in additional language support

German and Japanese language support is now included directly in the FlexNet Manager Suite installer. No additional language pack installers are required.

Before upgrading to FlexNet Manager Suite 2015, any language pack installs should be uninstalled.

Multi-Edit of Licenses

Multiple licenses of the same type may be selected and opened for editing.

Grid usability improvements

The grid actions, header and footer are now always visible when the scrolling large grids.

Date filters now support date ranges. To specify a date range, simply enter two dates separated by a dash.

One-off purchase imports

The purchasing CSV/Excel templates used for one off uploads now has support to import additional fields, including the Publisher, Contract Number, Quantity Per Unit, Invoice Date, Agreement Date and Expiry Date.

LDAPS Support

The AD import from a FlexNet Beacon now support LDAPS (LDAP over SSL) connections to AD.

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

There are three 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 On Premises”
- “Upgrading FlexNet Manager Suite from 2014 Rx to 2015 On Premises”
- “Migrating to FlexNet Manager Suite 2015 On Premises”

The third document is for customers who are on 9.2 SP3 or earlier.

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 support who can request that it be added to your account.

Resolved Issues

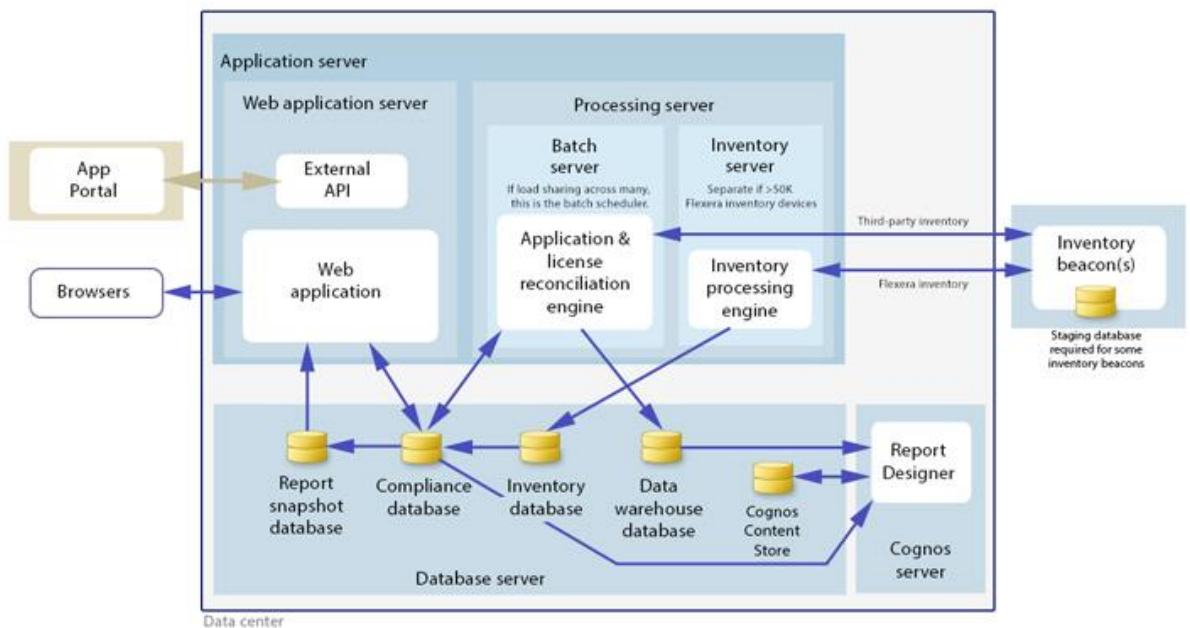
The following issues were resolved in the FlexNet Manager Suite 2015 release.

Issue number	Summary
FNMS-3384	Active Directory Import fails on IPv6 subnets
FNMS-17579	Application "Name" shown in "Product" column
FNMS-18587	Add Calculated User to the asset views
FNMS-19616	Unexpected error when exporting from large grids
FNMS-20779	PowerShell scripts are not updating existing configuration settings in the [BeaconPolicyPropertyValue] table
FNMS-20837	"Activity Log" function may time out
FNMS-20865	Beacon installer does not honour the value in HKLM\..\Beacon\CurrentVersion\BaseDirectory
FNMS-20883	EcmCreateUsageApplications step in "ManageSoft daily Software Usage History update" sql job should be removed
FNMS-21144	AD import may fail on invalid XML characters
FNMS-21167	Beacon may be missing files and configuration after self-upgrade
FNMS-21213	Imported PO numbers appear as scientific number
FNMS-21229	Beacons not able to communicate Anonymously to processing server for inventory-beacon url
FNMS-21231	Grid export may fail with a red error bar due to an out of memory condition
FNMS-21236	OEM connector may report Oracle servers on an incorrect port
FNMS-21282	Spelling mistake in Cognos FNMP data model ("Compliance Status")
FNMS-21333	All Inventory page shows a "0" in the Processors and Cores columns when the value in the database is NULL.
FNMS-21382	Scope to OS should be editable on SCCM license types
FNMS-21487	Inventory import may fail with an FK_InstalledSoftwareData_SoftwareLicenseAllocation constraint violation
FNMS-21491	Business Data last import duration may not factor in timezone correctly
FNMS-21498	Invalid date causes failure of Altiris adapter execution
FNMS-21528	Oracle inventory importer should be case sensitive for user names
FNMS-21546	Dropdown filters in reports may only show the first 50 results
FNMS-21641	Maintenance checkbox should be selectable for Purchases other than "Software Maintenance"
FNMS-21895	License availability reported by WebAPI ignores reservations during license reconcile
FNMS-21979	"An error has occurred while retrieving information; you may need to refresh the page." message received when select the subnets tab on the Beacon Properties page.
FNMS-22379	Batch scheduler cannot automatically recover from a temporarily dropped SQL

System Requirements

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

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:** 0.5GB per 10,000 devices
- **Total:** 43.5GB per 10,000 devices

FlexNet Beacon

- **Minimum memory:** 1GB
- **Recommended memory:** 2GB or higher
- **Minimum free disk space:** 1GB per 10,000 devices

FlexNet Agent

- **Minimum memory:** 512MB
- **Recommended memory:** 1GB or higher
- **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 at the time of release. Please refer to Knowledge Base article [Supported Configurations for FlexNet Manager Suite 2015](#) 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, 4.5 ● Internet Explorer 9.0 to 11.0 ● Microsoft Internet Information Services 7.0 to 8.5 ● Microsoft 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 2008** ● SQL Server 2008 R2** ● SQL Server 2012** ● SQL Server 2014** ● .NET Framework 4.0, 4.5
Cognos server	<ul style="list-style-type: none"> ● 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 2008 ● SQL Server 2008 R2 ● SQL Server 2012

Component	Operating system	Pre-requisite software
	<ul style="list-style-type: none"> Windows Server 2012 Windows Server 2012 R2 	<ul style="list-style-type: none"> Apache 2.2.25
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 (FlexNet Report Designer reports is not available on IE10 or IE11) 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 IE, Firefox and Chrome.
FlexNet Agent	<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 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 Ubuntu 12, 13 Debian 6, 7 RedHat Linux 8 and 9 RedHat Enterprise Linux 3, 4, 5, 6 CentOS 4, 5, 6 	<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"> • Fedora 6 - 11 • Oracle Linux 4.5 – 6.6 (Intel only) • SuSE Professional 12, 13 • SuSE Enterprise Server (SLES) 11 • Solaris 9, 10, 11 (Intel) • Solaris 8, 9, 10, 11 (SPARC) • Mac OS X 10.6, 10.7, 10.8, 10.9 • AIX 5.2, 5.3, 6.1, 7.1 • HP-UX 11.00, 11i, 11i v2, 11i v3 	
Virtualization inventory	<ul style="list-style-type: none"> • VMware vCenter 2.0 – 5.5 • VMware ESX/ESXi Server 3.0 – 5.5 *** • VMware vSphere 4.0 – 5.5 • Hyper-V running on <ul style="list-style-type: none"> • Windows Server 2008 R2 x64 Server Core • Windows Server 2008 R2 x64 • Windows Server 2008 x64 Server Core • Windows Server 2008 x64 • Windows Server 2012 • Windows Server 2012 R2 	
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 	<ul style="list-style-type: none"> • .NET Framework 4.0, 4.5**** • 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 (64 bit) (for DB2 based inventory connections) • PowerShell 3.0

* Requires the **Windows Authentication Security** role to be installed for IIS

** Multitenant configurations require the Enterprise Edition of SQL Server

*** As of ESXi 3.5 Update 4 remote inventory is not possible on the free license versions of ESXi

**** Oracle VM exposes a TLS version intolerance (TLS 1.1 and TLS 1.2 which is found in .NET 4.5).

Refer to [Known Issues List](#).

Compatibility with other products

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

Component	Version that can be installed on the same server as FlexNet Manager Suite 2015
Flexera inventory agent	2015

Integration with other products

FlexNet Manager Suite can import data from a number of other products / components. The following table defines 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
ILMT	7.2, 7.5, 9.0, 9.1
IBM SUA	9.x
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
HP Discovery and Dependency Mapping Inventory (DDMI)	9.10, 9.30
BladeLogic Client Automation (Marimba)	8.2
Tivoli End Point Manager (BigFix)	8.2
ServiceNow	Dublin, Calgary
IBM Passport Advantage	as of Nov 2014
FlexNet Manager for Engineering Applications	14, 15.1, 15.2, 15.3, 15.4
FlexNet Manager for SAP Applications	5.6, 5.7, 9.0, 2014, 2014 R2, 2014 R3
Citrix XenApp Server	6.0, 6.5, 7.5
Citrix XenApp EdgeSight	5.4
Citrix XenDesktop	5.6, 7.5
Microsoft App-V	4.6
Oracle Database	8i, 9i, 10g, 11g, 11g Release 2, 12c

Inventory components

The following table lists the versions of the FlexNet Beacons and FlexNet Agent that can be managed by FlexNet Manager Suite 2015.

Component	Compatible versions
FlexNet Beacon	10.1, 10.2, 10.3 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
FlexNet Inventory Agent (Linux)	
FlexNet Inventory Agent (Solaris)	
FlexNet Inventory Agent (Mac OS X)	
FlexNet Inventory Agent (AIX)	
FlexNet Inventory Agent (HP-UX)	

Compatibility of FlexNet Beacon with Citrix XenApp

Gathering Citrix XenApp inventory is not supported with a FlexNet Beacon version 10.1 when reporting to FlexNet Manager Suite 2015. In this case, FlexNet Beacon must be upgraded to version 10.2 or later.

FlexNet Report Designer compatibility

The following version of FlexNet Report Designer is compatible with FlexNet Manager Suite 2015.

Component	Compatible versions
FlexNet Report Designer	15.3

Known Issues

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

Other Resources and Links

Documentation

Documentation for FlexNet Manager Suite 2015 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 download	Flexera Software Product and License Center	https://flexerasoftware.flexnetoperations.com/