



FLEXERA SOFTWARE™

FlexNet Manager® Suite for Enterprises

FlexNet Manager Suite 2014 R3

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 140,000 applications. Reports detail installed software, application usage, and purchase versus installed license reconciliation. It inventories virtual environments and Oracle databases, imports Microsoft SCCM inventory, and seamlessly integrates with ERP, HR, and purchase order (PO) systems. With its built-in 700,000 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

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

- FlexNet Manager Suite 2014 R3 German Language Pack
- FlexNet Manager Suite 2014 R3 Japanese Language Pack

New Features

FlexNet Manager Suite 2014 R3 includes the following new features:

- [Altiris 7.5 Integration](#)
- [Citrix XenApp 7.5](#)
- [Citrix XenDesktop 7.5](#)
- [Oracle VM Server for x86](#)
- [Advanced Filtering](#)

[FlexNet Manager for VMware](#) is a new option delivered as part of FlexNet Manager Suite for Enterprises 2014 R3

FlexNet Manager for Microsoft 2014 R3 includes the following new features:

- [Additional Recognition for Microsoft Server products](#)

Altiris 7.5 Integration

FlexNet Manager Suite 2014 R3 has an out-of-the-box adapter for Altiris 7.5.

Citrix XenApp 7.5

FlexNet Manager Suite 2014 R3 adds support for version 7.5 of Citrix XenApp to the existing XenApp integration. This integration works in a very similar manner to the Citrix XenApp 6.5 integration, using:

1. An agent to gather data from the XenApp servers.
2. A staging database and inventory adapter to load the data into FlexNet Manager Suite.

Citrix Director 7.5 (or EdgeSight as it was previously called) does not contain application usage data. As a result, there is no matching adapter to retrieve usage data into FlexNet Manager Suite 2014 R3.

The retrieval of Active Directory data for this adapter has changed. The following steps must be performed when upgrading from an earlier release of FlexNet Manager Suite.:

1. An upgrade of the FlexNet Inventory Beacon to the version shipped with FlexNet Manager Suite 2014 R3.
2. A new scan of Active Directory from the FlexNet Inventory Beacon
3. The new version of FNMPXenAppAgent.exe to be used on the Citrix servers.
4. An upgrade of the XenApp staging database used by FNMPXenAppAgent.exe
5. Execution of the FNMPXenAppAgent.exe to populate the staging database.
6. If you are using Citrix XenDesktop then:
 - a. Ensure the inventory rules to discover and inventory Citrix XenDesktop have been re-run from your FlexNet Inventory Beacon
7. Perform an inventory import for Citrix XenApp (and XenDesktop if needed) on the inventory beacon and then the FlexNet Manager Suite server, after all previous tasks are complete.

For more details on these upgrade steps to FlexNet Manager Suite 2014 R3, please refer to the Upgrade Guide or Migration Guide available in the Product and License Center.

Citrix XenDesktop 7.5

FlexNet Manager Suite 2014 R3 adds support for version 7.5 of Citrix XenDesktop. This integration works the same way as previous integrations with XenDesktop:

1. The FlexNet Inventory Beacon will discover XenDesktop servers and interrogate them to obtain the list of users who can access the system.
2. Inventory of one virtual desktop per machine catalog is required.
3. The Flexera Inventory Agent needs to be installed on the machine catalog in order to capture App-V usage data from the virtual desktop.

The credentials used to connect to Citrix XenDesktop are now stored locally on the machine hosting the inventory beacon. This removes the need to grant additional rights to the account used by the inventory beacons that were required in previous releases.

The retrieval of Active Directory data for this adapter has changed. The following steps must be performed when upgrading from an earlier release of FlexNet Manager Suite:

1. An upgrade of the FlexNet Inventory Beacon to the version shipped with FlexNet Manager Suite 2014 R3.
2. A new scan of Active Directory from the inventory beacon.
3. Ensure the inventory rules to discover and inventory Citrix XenDesktop have been re-run from your inventory beacon.
4. If you are using Citrix XenApp then:
 - a. The new version of FNMPXenAppAgent.exe to be used on the Citrix servers.
 - b. An upgrade of the XenApp staging database used by FNMPXenAppAgent.exe
 - c. Execution of the FNMPXenAppAgent.exe to populate the staging database.
5. Perform an inventory import for Citrix XenDesktop (and XenApp if needed) on the Inventory Beacon and then the FlexNet Manager Suite server, after all previous tasks are complete.

For more details on these upgrade steps to FlexNet Manager Suite 2014 R3, please refer to the Upgrade Guide or Migration Guide available in the Product and License Center.

Oracle VM Server for x86

Oracle VM is Oracle's server virtualization offering, which is available in two forms:

- Oracle VM Server for x86
- Oracle VM Server for SPARC

FlexNet Manager Suite 2014 R3 has added support for Oracle VM Server for x86 (versions 3.2 and 3.3), allowing the discovery, inventory, and import of the virtualization structure. This enables FlexNet Manager Suite 2014 R3 to establish an accurate license position for Oracle and other vendors' software when deployed in this environment.

The integration provides visibility on Oracle VM clusters, virtual machines, host affinity and whether individual virtual machines are restricted to only run on specific CPUs or cores of the Oracle VM server.

FlexNet Manager for VMware

FlexNet Manager for VMware introduces a new, separately licensed option delivered as part of FlexNet Manager Suite 2014 R3. This new option supports advanced recognition for the following VMware applications:

- vSphere hypervisor
- vCenter server
- vCenter with operations management.

A new view called VMware Inventory is available in FlexNet Manager Suite 2014 R3 under the Discovery and Inventory menu which details the VMware inventory. This view provides:

- Applications details: name, installed computer and number of processors for vSphere hypervisors.
- Relationship mapping between vSphere hypervisors and vCenter servers
- License key details: license key, type, license capacity and usage.

- Evaluation status and expiration date when applicable.

Additionally this VMware Inventory view supports alerts in case of;

- Under assigned keys.
- Over assigned keys.
- Expired evaluation keys.

Additional Recognition for Microsoft Server products

Additional recognition capabilities have been added for Microsoft Server products. These products, such as Microsoft Exchange Server, Microsoft BizTalk Server, Microsoft SharePoint Server, and so on. are usually found by any inventory tools as they create registry used by the 'Programs and Features' widget in the Control Panel. However, many of these products use a single installer for different editions (standard, enterprise, etc.) and usage (trial, evaluation, full release, etc.) which limits the accuracy of product recognition that is found in the 'Program and Feature' registry entries.

Advanced Filter

Advanced filtering capabilities have been added to FlexNet Manager Suite 2014 R3. Criteria can be built using formulas that include "and" or "or" Boolean operators on multiple levels.

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 2014 R3:

- "Installing FlexNet Manager Suite 2014 R3 On Premises"
- "Upgrading FlexNet Manager Suite from 2014 R2 to 2014 R3 On Premises"
- "Migrating to FlexNet Manager Suite 2014 R3 On Premises"

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

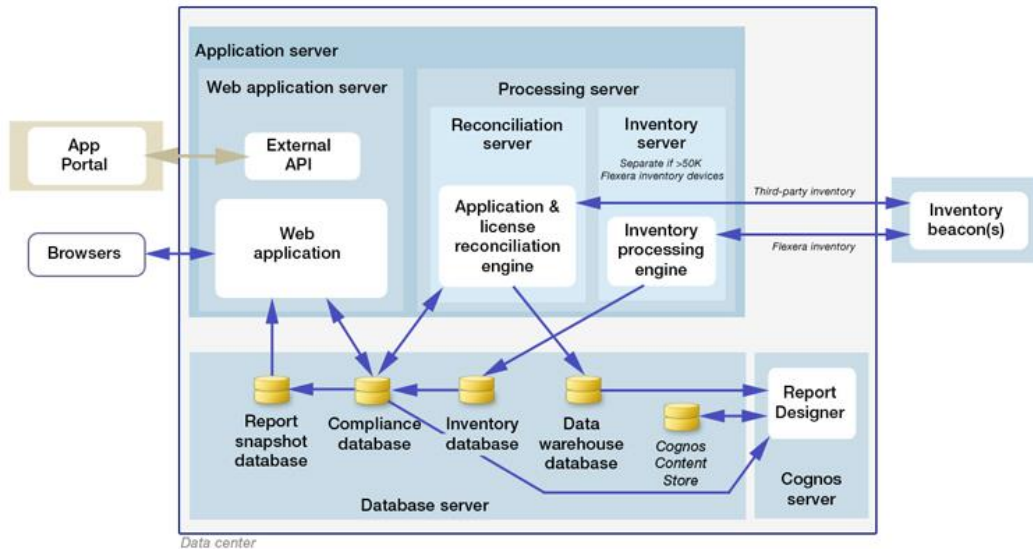
The following issues were resolved in the FlexNet Manager Suite 2014 R3 release.

Issue Number	Description
FNMS-2252	Flexera agent unable to get the SQL Server WMI classes if SQL Service information is not in the most recent namespace
FNMS-2432	Make Primary button should not be enabled for 'View Only' role members
FNMS-2555	Business Adapter Studio shows password of AD connections in Simulation UI
FNMS-2624	PVU licenses may show 0 consumed when calculated by FNMP
FNMS-2703	FNMS - Business Adapter : Mapping Asset-Lease information - fields missed
FNMS-2724	Access to temp tables during debugging is broken.
FNMS-2837	PURL import may fail when deleting SKUs
FNMS-2923	No recommendations for processed SKU that is not in the SKU library
FNMS-2981	Long running task for one tenant can block batch scheduler from running tasks for other tenants
FNMS-3015	"Reconciled" time is different from "Last successful reconcile" time
FNMS-3100	Export of License Consumption view missing pools and VMs
FNMS-3122	Microsoft Server Core type license consumed values are incorrect if device is standalone virtual machine
FNMS-3296	Location Search in Purchase order/License - only goes to level 2
FNMS-3361	ndtrack reporting Port 0 on Oracle Instances
FNMS-3371	Deleting a license may unlink all previously processed purchases from all licenses.
FNMS-3393	License reconcile counts may not use the latest results
FNMS-3492	"Created by" field in the asset properties is blank

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 2014 R3 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

Inventory beacon

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

Managed device

- **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 2014 R3 at the time of release. Please refer to Knowledge Base article [Supported Configurations for FlexNet Manager Suite 2014 R3](#) 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 SP1-SP2 * • 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 • SQL Server 2008 • SQL Server 2008 R2 • SQL Server 2012 • SQL Server 2014 • 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 • Windows Server 2012 Datacenter • Windows Server 2012 Standard • Windows Server 2012 R2 Datacenter • Windows Server 2012 R2 Standard 	<ul style="list-style-type: none"> • SQL Server 2008 • SQL Server 2008 R2 • SQL Server 2012 • 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	<ul style="list-style-type: none"> • SAP Basis release between 4.6C and 7.4 	

Component	Operating system	Pre-requisite software
transport for FlexNet Manager for SAP Applications		
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 5.1.30514.0 or higher is required for multi document upload support in IE, Firefox and Chrome.
Managed device	<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 • Fedora 6 - 11 • Oracle Linux 4.5 – 6.5 • 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 	<ul style="list-style-type: none"> • Internet Explorer 9.0 to 11.0 (Windows platforms only)
Virtualization inventory	<ul style="list-style-type: none"> • VMware vCenter 2.0 – 5.1 • VMware ESX Server 3.0 – 5.0 	

Component	Operating system	Pre-requisite software
	<ul style="list-style-type: none"> VMware ESXi Server 3.5 – 5.0 *** VMware vSphere 4.0 – 5.0 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 	
Inventory 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) PowerShell 3.0

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

** Requires IIS to run in 32 bit mode

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

**** Oracle VM expose 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 2014 R3 with other Flexera Software products at the time of release. Please refer to knowledge base article [Supported Configurations for FlexNet Manager Suite 2014 R3](#) 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 2014 R3 application server.

Component	Version that can be installed on the same server as FlexNet Manager Suite 2014 R3
Flexera inventory agent	2014 R3

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, 2014, 2014 R2, 2014 R3
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 inventory beacons and managed devices that can be managed by FlexNet Manager Suite 2014 R3.

Component	Compatible versions
FlexNet Inventory beacon	10.1 , 10.2 please refer to compatibility with Citrix

Component	Compatible versions
	below
FlexNet Inventory Agent (Windows)	8.4, 8.5, 8.6, 9.0, 9.1, 9.2, 2014, 2014 R2, 2014 R3
FlexNet Inventory Agent (Linux)	
FlexNet Inventory Agent (Solaris)	
FlexNet Inventory Agent (Mac OS X)	
FlexNet Inventory Agent (AIX)	
FlexNet Inventory Agent (AIX)	
FlexNet Inventory Agent (HP-UX)	

Compatibility of Inventory Beacon with Citrix XenApp

Gathering Citrix XenApp inventory is not supported with a FlexNet Inventory Beacon version 10.1 when reporting to FlexNet Manager Suite 2014 R3. In this case, FlexNet Inventory Beacon must be upgraded to 10.2.

FlexNet Report Designer compatibility

The following version of FlexNet Report Designer is compatible with FlexNet Manager Suite 2014 R3.

Component	Compatible versions
FlexNet Report Designer	15.3

Known Issues

A list of known issues for the FlexNet Manager Suite 2014 R3 release is available from the Flexera Software support site. Please refer to Knowledge Base article [Known Issues for FlexNet Manager Suite 2014 R3](#) for details.

Other Resources and Links

Documentation

Documentation for FlexNet Manager Suite 2014 R3 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/