

FlexNet Manager Suite

2017 R1

Release Notes

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Note: For the latest publication of the Release Notes go to the [Customer Community](#) site (login required).

Introduction

FlexNet Manager Suite provides software asset, hardware asset, and contract management for enterprises across over 16,000 publishers and more than 205,000 applications. It reports detailed information for installed software, application usage, purchases, and reconciles these to provide a 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 more than 1,000,000 Stock Keeping Unit numbers (SKUs), for automated reconciliation of purchases with inventory, and support for the latest license models, FlexNet Manager Suite is used by enterprises to gain control of their software estate and optimize their software spend.

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

- FlexNet Manager Suite
- 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
- FlexNet Manager for Cloud Infrastructure
- Workflow Manager

New Features

New Setting for Automated Removal of Oracle Database Instances No Longer Reporting Inventory

A new **Oracle database instances** section on the **Inventory** tab of the **System Settings** page allows the automatic removal of Oracle database instances that have not reported inventory. A **Remove after** drop-down list lets you choose the number of days to wait before the instances will be removed. The default is **Never**, meaning that history of any such instances will be retained and no cleanup will be performed.

For more information, refer to the *System Settings: Inventory Tab* topic in the online help and the *Server Scheduling* chapter in the *FlexNet Manager Suite System Reference* guide.

Changes from Previous Releases

Remediation of Security Vulnerability

A vulnerability has been remediated in FlexNet Manager Suite 2017 R1, with updates to the FlexNet inventory agent, FlexNet Beacon and FlexNet Inventory Scanner.

The Common Vulnerabilities and Exposures (CVE) identifier of this vulnerability is CVE-2017-6885. To understand the potential consequences of this vulnerability, please refer to the Common Consequences section of Common Weakness Enumeration [CWE-426](#). The Common Vulnerability Scoring System (CVSS) base score for this vulnerability is 7.8 and the temporal score is 7.0.

Due to this remediation, it is strongly recommended to ensure that all FlexNet inventory agents, FlexNet Beacons and the application server (in a multi-server environment, your inventory server) are updated.

Note: FlexNet Manager Suite Cloud customers may wish to contact [Flexera Support](#) for assistance upgrading their installations of the FlexNet inventory agent.

Improved Performance

A wide variety of performance-related changes have been implemented in this release. In particular, the performance when viewing lists and editing common objects (licenses, contracts, inventory, users, assets and purchases) has been enhanced.

Microsoft SQL Server Common Language Runtime (CLR) Integration

Installing or upgrading FlexNet Manager Suite 2017 R1 requires Microsoft Common Language Runtime (CLR) integration to be enabled on SQL Server. This change is required as part of the system performance improvements. For customers who are upgrading or migrating to 2017 R1, this feature must be enabled at the instance level, prior to making any updates to the database.

For more information, on-premises customers should refer to the appropriate installation guide: *Installing FNMS 2017 R1 on-premises*, *Upgrading FNMS to 2017 R1 on-premises*, or *Migrating to FNMS 2017 R1 on-premises*.

Improved FlexNet Inventory for Oracle and IBM MQ

The gathering of specialized inventory for Oracle Database and IBM MQ (formerly WebSphere MQ) has been improved.

- On UNIX-like platforms, these processes now require that the FlexNet inventory agent is running as root, allowing it to impersonate appropriate trusted accounts when accessing less tightly secured aspects of the environment. If the agent is running as a non-root account, these specialized forms of inventory gathering are blocked.
- On Microsoft Windows, there is no account impersonation, and the FlexNet inventory agent runs either as the local SYSTEM account, or as another account that has local administrator privileges.

Documentation has been enhanced to reflect these improvements. The *Gathering FlexNet Inventory* PDF now includes listings of all child processes invoked by the agent on all platforms; and in the *System Reference* PDF, the *Oracle Discovery and Inventory* chapter has been restructured and updated to cover these and other details.

Oracle Processor and IBM PVU licenses on Solaris

FlexNet Manager Suite now supports the latest license consumption rules for Oracle Processor and IBM PVU licenses for Solaris zones. This is achieved by collecting additional hardware-specific information from Solaris zones and by updating the specific consumption calculation rules for Oracle Processor and IBM PVU licenses. This additional inventory can be gathered from Solaris zones configured using resource-pool, capped-cpu, or dedicated-cpu resource management methods.

The Solaris zone hierarchy (LDoms, psets, pools, hosts, and virtual machines) is displayed on the Virtual Devices and Clusters page, and additional virtual machine (zone) properties are displayed on the Inventory Device Properties page.

Important note: When customers are upgrading to the 2017 R1 release, the FlexNet inventory agent will also need to be upgraded to benefit from the new license consumption rules. If the inventory agent is not upgraded, instances of software products related to IBM PVU or Oracle Processor licenses on Solaris versions 10 & 11 will no longer be attached to licenses, or will report a consumption of zero. If inventory data is missing, no license consumption can be accurately calculated.

To adjust the license consumption without installing the 2017 R1 FlexNet inventory agent, allocate inventory devices to licenses and manually set the override consumption value.

Support for ServiceNow Release Istanbul

The FlexNet Manager Suite - ServiceNow integration package has been validated with the ServiceNow release, Istanbul. Please see the 'Compatibility with Other Products' section (below) for the list of all supported releases.

Further information is available from the *ServiceNow Integration with FlexNet Manager Suite* chapter in the *FlexNet Manager Suite Adapters Reference* guide.

Support for IBM License Metric Tool (ILMT) 9.2.3

FlexNet Manager Suite now supports ILMT version 9.2.3 when ILMT is configured to use a Microsoft SQL Server database.

Support for BMC Discovery Version 11.1

The BMC Discovery adapter now supports inventory import from the 11.1 release of the BMC tool.

For more information, see the *Using the BMC Discovery (ADDM) Adapter* chapter in the *FlexNet Manager Suite Adapters Reference* guide, accessible from the title page of the online help.

Restrict Download of LMS Audit Evidence

A permission has been added to restrict the ability to download LMS evidence to only those accounts that have the **Troubleshooting: Advanced access and log downloads** administrative privilege. If your account does not have this privilege, you will not see the **Download all Oracle LMS audit evidence in zip archive** link on the **Oracle Instances** page. This enhancement adds security to the exporting of Oracle LMS data.

For more information, refer to the *Oracle Instances* topic in the online help.

Improved Supportability

On-premises customers can take advantage of improved supportability should a red-bar error occur that displays an error ID. In previous releases, the error ID shown did not necessarily match the log messages recorded on the server. The reliability of this supportability feature has been addressed, allowing Support staff to use the displayed error ID to find extended error information easily in the `webui.log` file.

Japanese Release of the SAP Admin Module

In addition to the existing French and German translations, the SAP Admin module included with the FlexNet Manager for SAP Applications product, is now provided in Japanese.

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.

License Compatibility

Cloud customers’ licenses will be updated automatically.

On-premises customers should request a new license key from support@flexerasoftware.com. Once the license has been created, it will be emailed to the requestor, and a copy stored in the [Product and License Center](#). Note that a new Report Designer license may be required for this release.

Installation and Upgrade Procedures

Due to the scale of changes contained in this release, a full installation is required, which includes loading the latest published Application Recognition Library (ARL).

There are four documents that provide instructions for installing and upgrading to FlexNet Manager Suite 2017 R1.

- “Installing FlexNet Manager Suite 2017 R1 On Premises”. This includes the option of installing FlexNet Report Designer 2017 R1.
- “Installing FlexNet Manager Suite 2017 R1 for a Managed Service”.
- “Upgrading FlexNet Manager Suite from 2014 Rx to 2017 R1 On Premises”. This is designed for upgrades from FlexNet Manager Platform, version 2014 or later.
- “Migrating to FlexNet Manager Suite 2017 R1 On Premises”. This covers migration from FlexNet Manager Platform 9.2 to FlexNet Manager Suite 2017 R1. Earlier versions of FlexNet Manager Platform will need to be upgraded to 9.2 before starting this migration.

These are contained in the **Installation Documentation for FlexNet Manager Suite 2017 R1** 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.

Resolved Issues

The following issues have been resolved in **FlexNet Manager Suite 2017 R1** release since the release of FlexNet Manager Suite 2016 R1 SP1.

Issue Number	Summary
FNMS-21688	Inventory beacon servers will check for policy/rule updates every minute, ignoring the 'Interval for beacon updates' setting.
FNMS-23482	Deletion and re-registration of a beacon from FlexNet Manager Suite fails with an unexpected error for Cloud customers
FNMS-24748	Inventory source of inventory devices is incorrectly updated based on inventory date and is not set to primary source
FNMS-27702	FlexNet Manager Suite server may rarely fail to resolve an activity status file due to a unique key violation.
FNMS-28471	Intermittent reconciliation error, resulting in SQL failure that the transaction deadlocked with another transaction during update of consumption count step .
FNMS-28818	A compliance import may fail with 'System.DivideByZeroException' when the number of Virtual Machines per processor license is limited.
FNMS-30425	Missing Applications tab in VDI templates that existed in FlexNet Manager Suite 9.2
FNMS-31366	The error ID for the "We have a problem" page, cannot be found in webui.log file.
FNMS-31728	Compliance Import task showing as 'In progress' after completion
FNMS-31866	Active Directory import failure due to foreign key violation
FNMS-32189	Active Directory resolver will fail if there are existing users associated with the root OrganizationID
FNMS-33075	License Reconcile may fail if a ComplianceComputer is deleted, while the reconciliation is running.
FNMS-34279	Create a points rule: The validation message is wrongly shown when Min sockets value equal Max sockets value.
FNMS-35527	Licenses are excluded when license restrictions do not include the enterprise type used for Group Assignments
FNMS-35892	Old WMI Evidences are not cleared from the database and may report applications installations that are invalid.
FNMS-35905	The SCCM adapter may fail when used with an SCCM server that uses SQL Server 2000
FNMS-35946	ADDM adapter is failing where there has been no authentication changes on the ADDM side
FNMS-35964	Expiry Date is not hidden on the Purchase Properties page if Effective Date and Expiry Date are on different rows

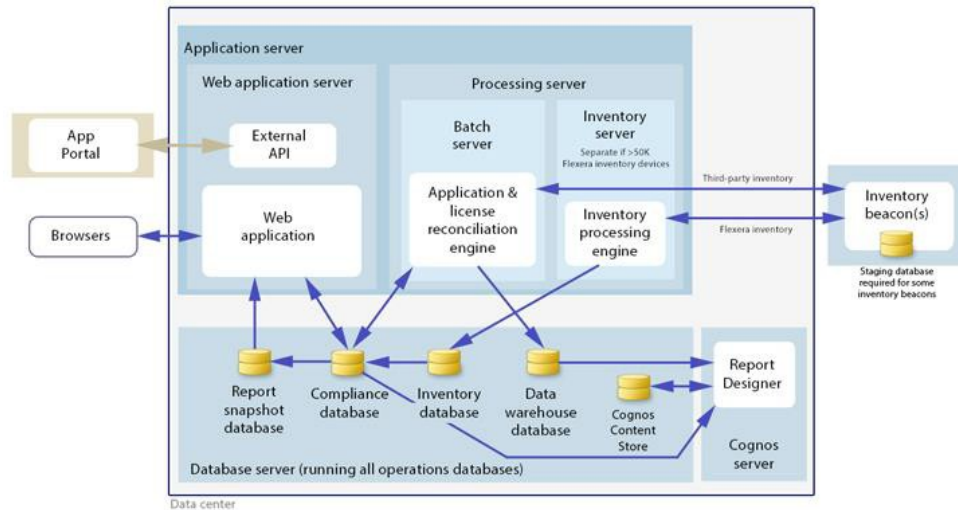
FNMS-37249	License Reconciliation is failing with "divide by zero" error in for Microsoft server processor license
FNMS-37987	A reconcile may fail to calculate points for processor license simulation
FNMS-38369	License Reconciliation fails when total maintenance purchases for a license exceed 2 billion entitlements
FNMS-38396	ILMT adapter incorrectly identifying operating systems
FNMS-38723	Import may fail with the error 'FK_Instance_ComplianceComputerID constraint violation' should a computer be deleted while the import is running.
FNMS-38783	The Consumption tab on the License properties page may incorrectly indicate unsaved changes when advanced filters are applied
FNMS-38879	The site and enterprise licenses may show consumption numbers
FNMS-39692	Active Directory Import fails when a UserCN is longer than 64 characters
FNMS-39784	Consumption of IBM PVU entitlements may be excessive for Solaris Zones within a resource pool
FNMS-39838	Multiple Exchange Service Plans incorrectly resulting in causing installer evidence for Office 365 to refer to a service plan of 'System.Object[]'
FNMS-39979	Access Evidence writer step of inventory importer may fail due to duplicates when access evidence version is NULL
FNMS-40122	SAP database performance issue may arise when performing a 'Recalculate license position' or when modifying rule set details.
FNMS-40222	Duplicate Oracle Instances in the NDI failing to resolve with "Item has already been added. Key in dictionary" error
FNMS-40376	Usage data resolver may fail with "System.Data.SqlClient.SqlException: Violation of UNIQUE KEY constraint 'UQ_SoftwareUsagePerWeek'" error
FNMS-40439	License assignments for supplementary IBM software installations on the same device as primary software installations are being incorrectly exempted with a reason of 'Covered By Related Product'
FNMS-40442	Cross Site Scripting vulnerability in Discovered Device properties. Refer to Knowledge Base article 000022093.
FNMS-40461	License reconcile may fail for a user license that has permanently allocated devices with no assigned users
FNMS-40469	Calculated consumption value for IBM PVU licenses is being set to be the same as the overridden consumption value.
FNMS-40473	SKU to purchase mapping fails while creating purchases through business import

FNMS-40535	Security vulnerability in the Beacon web plugin. Refer to Knowledge Base article 000022093.
FNMS-40608	Duplicate records for some computers in ServiceNow after upgrade to 3.0/3.1
FNMS-40743	Import error with XenApp server agent when servers do not use fully qualified domain names
FNMS-40747	Inventory Import may fail with "CREATE UNIQUE INDEX statement terminated because a duplicate key was found for the object name dbo.#SoftwareInventory" error
FNMS-40807	Beacon inventory imports are left "In Progress" if PackageUploadTriggersWriters setting is disabled
FNMS-40930	Security vulnerability in third-party inventory file uploads. Refer to Knowledge Base article 000022093.
FNMS-41081	PowerShell adapters will stall until all data is retrieved from PowerShell commands
FNMS-41107	License compliance calculations for an Oracle Processor license with metric set to Sockets, are not defaulting back to the number of processors when there is no socket count from inventory.
FNMS-41120	Scheduled task 'Data warehouse export' may fail with "UNIQUE KEY constraint 'UQ_ConsumptionData'", if the previous license reconcile is only for a single publisher, which is not Oracle.
FNMS-41178	Cannot move any deferred purchase order line items to Unprocessed
FNMS-41312	Registry handles are not closed by the FlexNet inventory agent resulting in large build-up of open handles over time
FNMS-41620	A compliance import may fail with the error 'WriteVirtualMachines with UQ_MemberEx violation'
FNMS-41740	An import from SCCM may time out when a large set of file evidences are deleted.
FNMS-42010	Inventory agent hardening when asked to execute scripts
FNMS-42356	Possible Cross-Site Request Forgery (CSRF) issue when downloading uploaded documents
FNMS-42463	File evidence usage mapping is not correct in the Microsoft System Center Configuration Manager (SCCM) adapter
FNMS-42955	Time taken to search for specific device(s) in defining a target for inventory rules, is too slow.
FNMS-42956	When loading the Discovered Device Properties of any device, page load times may be unacceptable.
FNMS-42967	The SAP report 'SAPRoleUtilization' may run too slowly.
FNMS-43291	Ignored inventory is not excluded from the Oracle Instances management view.
FNMS-43855	Inventory collection may fail on a x86 Solaris computer after downgrading the FlexNet inventory agent.

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 2017 R1 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.

Network Requirements

Category	Requirement
Internet Protocol	Internet Protocol version 4
Ports	80 & 443

Note that optional inventory sources may require additional ports. Refer to the topic 'Ports and URLs for Inventory Beacons' in the online help, for further information.

Cloud

Category	Requirement
Required IP ranges for Cloud customers who are not using DNS hostname	US Domain: Production - 64.14.29.0/24 DR - 64.27.162.0/24 EU Domain: Production - 62.209.49.0/24 DR - 162.244.221.0/24

It is recommended to use DNS hostnames for network configuration of firewalls between inventory beacons and FlexNet Manager Suite Cloud. IP addresses can change without or with limited notice.

For the latest settings, please refer to Knowledge Base article [FlexNet Manager Suite Cloud IP address settings](#).

Hardware Requirements

Application Server

Category	Requirement
Processors	4 cores, with up to 8 cores if more than 100 operators
Memory	8 GB
System drive	40 GB
Data drives	The DataImport and Temp folders require 2GB each for Content library updates

Database Server

Category	Requirement
Processors	4 cores per 100 operators
Memory available for SQL Server	16 GB per 50,000 devices

Category		Requirement
System drive		40 GB
Data drives (Typical figures based on "simple" database recovery model)	Compliance database data	Per 10,000 devices: 25 GB in first year + 15 GB growth per year
	Compliance database logs	20 GB per 10,000 devices
	Inventory database data	20 GB per 10,000 devices with FlexNet Inventory
	Inventory database logs	10 GB per 10,000 devices with FlexNet Inventory
	Report snapshot database data	10 GB
	Report snapshot database logs	10 GB
	Data warehouse database data	20 GB (based on 1,000 licenses)
	Data warehouse database logs	20 GB
	tempdb data	5 GB per 10,000 devices
	tempdb logs	1 GB per 10,000 devices
	Cognos content store data + logs	1 GB
	TOTAL	60 GB + 80 GB per 10,000 devices
	ANNUAL GROWTH RATE	15 GB per 10,000 devices

FlexNet Designer (Cognos) Server

Category	Requirement
Processors	4 cores
Memory	16 GB+ recommended
System drive	100 GB

FlexNet Beacon

Category	Requirement
Processors	2 cores
Memory	4GB minimum, 8GB or higher recommended
Minimum free disk space	1GB per 10,000 devices

FlexNet Inventory Agent

Category	Requirement
Processors	1 core

Category	Requirement
Memory	512MB minimum, 2GB or higher recommended
Minimum free disk space	25MB installation + 100MB workspace

Prerequisite Software

The table below describes the supported operating systems and software prerequisites of FlexNet Manager Suite 2017 R1 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	Prerequisite Software
Application Server	<ul style="list-style-type: none"> Windows Server 2016 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 4.5.x Internet Explorer 10.0 to 11.0 Microsoft Internet Information Services 7.0 to 10.0 Microsoft Message Queuing (MSMQ) Microsoft Access Database Engine (32-bit) SQL Server features: Client Tools Connectivity, Management Tools
Database Server (Including Cognos Database Server)	<ul style="list-style-type: none"> Windows Server 2016 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 with compatibility level set to <i>SQL Server 2012</i> (110) SQL Server 2012 SQL Server 2008 R2 SQL Server 2008 SQL Server Client Tools, of the same version <p>Notes</p> <ul 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. FlexNet Report Designer (Cognos) database should be run with compatibility level set to SQL Server 2012 (110). Microsoft SQL CLR integration must be enabled. Customers using the legacy Contracts Portal may wish to enable full-text indexing to permit searching within documents.

Component	Operating System	Prerequisite Software
FlexNet Report Designer / 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"> .NET Framework 4.5.x Registration of ASP.NET: C:\Windows\Microsoft.NET\Framework64\v4.0.30319\aspnet_regiis.exe -i) <p>Notes</p> <ul style="list-style-type: none"> When FlexNet Report Designer is installed on a server other than the database server running the content store database, Microsoft SQL Server Native Client must be installed on the server hosting FlexNet Report Designer. Cognos server is not supported in Multi-tenant installations.
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 7.5 	
Web Browser	<ul style="list-style-type: none"> Microsoft Internet Explorer 10 - 11 Microsoft Edge for Windows Google Chrome 46 - 52 Mozilla Firefox 45 - 51 Apple Safari 7 - 10 <p>Some Report Designer menu options are not available in the Chrome browser. For further information refer to this IBM Knowledge Center article.</p> <p>Support for future web browser releases cannot be verified, however there are no anticipated issues for future releases.</p> <p>A minimum screen resolution of 1024 horizontal pixels is required.</p>	<p>Report Designer will only support the 'Cognos Workspace' when using Safari. Other workspaces are not supported.</p>

Component	Operating System	Prerequisite Software
FlexNet inventory agent	<ul style="list-style-type: none"> • Windows Server 2016 • 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 	

Component	Operating System	Prerequisite Software
FlexNet inventory agent (continued)	<ul style="list-style-type: none"> • Windows 7 • Windows 7 x64 • Windows 8 • Windows 8 x64 • Windows 10 • Windows 10 x64 • Ubuntu 12 - 16 (x86-64 only) • Debian 6 – 8.6 (x86-64 only) • Red Hat Linux 8 and 9 (x86 only) • Red Hat Enterprise Linux 3, 4, 5, 6, 7 (x86-64 only) • CentOS 4 – 7 (x86-64 only) • Fedora 6 – 11 and 18 – 25 (x86-64 only) • Oracle Linux 4.5 – 7.0 (x86-64 only) • SuSE Professional 12, 13, and 42.1 (x86-64 only) • SuSE Enterprise Server 11 and 12 (x86-64 only) • Solaris 9, 10, 11 (x86), Zones for versions 10 & 11 • Solaris 8, 9, 10, 11 (SPARC), Zones for versions 10 & 11 • Mac OS X 10.6 Snow Leopard, 10.7 Lion • OS X 10.8 Mountain Lion, 10.9 Mavericks, 10.10 Yosemite, 10.11 El Capitan • macOS 10.12 Sierra • AIX 5.2, 5.3, 6.1, 7.1, LPARs • HP-UX 11.00, 11i, 11i v2, 11i v3, vPars/nPars 	

Component	Operating System	Prerequisite Software
FlexNet Beacon	<ul style="list-style-type: none"> Windows Server 2016 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 4.5.x Any supported web browser 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+ The following are required for Office 365: <ul style="list-style-type: none"> 64-bit server operating system .NET Framework 4.5.2 Microsoft Online Services Sign-in Assistant (64-bit version) Windows Azure Active Directory PowerShell Module Skype for Business Online PowerShell Module

Compatibility with Other Products

This section describes the compatibility of FlexNet Manager Suite 2017 R1 with other Flexera Software products at the time of release. Please refer to Knowledge Base article [Supported Configurations for FlexNet Manager Suite 2017 R1](#) 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 2017 R1 application server.

Component	Version that can be installed on the same server as FlexNet Manager Suite 2017 R1
FlexNet inventory agent	2017 R1
FlexNet Beacon	2017 R1
FlexNet Report Designer	2017 R1

Integration with Other Products

FlexNet Manager Suite integrates with the following products & components. This table details the currently supported versions:

Product / Component	Versions that can be imported from
BladeLogic Client Automation (Marimba)	8.2
BMC Atrium CMDB	8.1 together with Atrium Integrator version 8.1
BMC Discovery (ADDM)	8.3, 9.0, 10.0, 10.1, 10.2, 11.0, 11.1
BMC Remedy ITSM Applications	7.6.04 SP4
Citrix XenApp EdgeSight	5.4, 7.6 (requires a Platinum license)
Citrix XenApp Server	6.0, 6.5, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12, 7.13*
Citrix XenDesktop	5.6, 7.5, 7.6, 7.8, 7.9, 7.11, 7.12, 7.13*
Deployment Manager / Flexera Inventory Manager	8.4, 8.5, 8.6, 9.0, 9.1, 9.2
App Portal	2013 R2 to 2016
FlexNet Manager for Engineering Applications	14, 15.1, 15.2, 15.3, 15.4, 15.5, 15.6 (2016 R1), 15.7 (2016 R2)
HP Discovery and Dependency Mapping Inventory (DDMI)	9.10, 9.30
HPE Universal Discovery (HP-UD)	10.10, 10.11
Hyper-V	Running on: <ul style="list-style-type: none"> • Windows Server 2016 • 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
IBM BigFix (previously Tivoli Endpoint Manager)	8.2, 9.5
IBM License Metric Tool (ILMT) on IBM DB2	7.2, 7.5, 9.0, 9.1, and 9.2.4
IBM License Metric Tool (ILMT) on Microsoft SQL Server	9.2.3

Product / Component	Versions that can be imported from
IBM Passport Advantage	as of Nov 2014
IBM Software Usage Analysis (SUA)	9.0, 9.1 (when running on an IBM DB2 database)
Microsoft App-V Integration Server	4.6, 5.0, 5.1
Microsoft Exchange ActiveSync	2007, 2010
Microsoft SMS/SCCM	2003, 2007, 2012, 2012 R2, 1511, 1602, 1606, 1610, 1702
Oracle Database	8i, 9i, 10g, 11g, 11g Release 2, 12c
Oracle VM Server for x86	3.2, 3.3, 3.4.3
ServiceNow	Geneva Patch 5, Helsinki, and Istanbul
Symantec IT Management Suite (Altiris)	6.5, 7.1, 7.5
VMware vSphere vCenter	2.0 to 6.0
VMware vSphere ESX/ESXi	2.0 to 6.0
	<i>Note: Remote inventory is not possible on the free license versions of ESXi.</i>
Workflow Manager	2014 to 2016

* Compatibility with Citrix XenApp Server 7.13 and XenDesktop 7.13 require the updated version of the Adapter Tools file, released in June 2017.

Inventory Components

The following table lists the versions of the FlexNet Beacon and FlexNet inventory agent that can be managed by FlexNet Manager Suite 2017 R1.

Component	Compatible Versions
FlexNet Beacon	2014 to 2017 R1 Citrix XenApp inventory requires FlexNet Beacon 2014 R2 or later.

Component	Compatible Versions
FlexNet inventory agent (Windows)	8.4 to 9.2 and 2014 to 2017 R1
FlexNet inventory agent (Linux)	<p>Note: Earlier versions are compatible in that they receive default policy and collect inventory on schedule. They cannot support more recent agent functionality, such as:</p> <ul style="list-style-type: none"> Control of usage tracking through UI settings (rather than .ini files and registry controls), from 2014 (R1) Settings targeted by IP addresses, from 2014 (R1) CAL inventory, from 2016 R1.
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 to 2017 R1

FlexNet Report Designer Compatibility

The following versions of FlexNet Report Designer are compatible with FlexNet Manager Suite 2017 R1.

Component	Compatible Versions
FlexNet Report Designer	2016 R1

Known Issues

A list of known issues for the FlexNet Manager Suite 2017 R1 release is available from the Flexera Software support site at the time of release. Please refer to Knowledge Base article [Known Issues for FlexNet Manager Suite 2017 R1](#) for details.

Documentation

Documentation for FlexNet Manager Suite 2017 R1 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 [Documentation Center](#).

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

More Information

Item	Description
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Item	Description
Flexera Software website	Information about Flexera Software http://www.flexerasoftware.com
Support	Support website, including the Knowledge Base https://flexeracommunity.force.com/customer
Product downloads	Flexera Software Product and License Center https://flexera.flexnetoperations.com/flexnet/operationsportal/start Page.do
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