RAYMANAGESOFT®i

A New Generation of
Software Deployment

**Release Notes
RayManageSofti 11.4.1**

RAYVENTORY®
is part of RayManageSofti

RayManageSofti is part of RaySuite.

•**ray**NET

Release Notes for release 11.4.1

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Raynet GmbH Germany
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www.raynet.de

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Introduction

RayManageSofti 11.4.1, just like its predecessors, will continue to provide a complete set of products for software and operating system (OS) deployment, as well as security and patch management. The software includes four components for deploying, patching, and securing applications and operating systems, all built on a common infrastructure that includes IT asset discovery, inventory and software asset management. The client-centric architecture leverages existing IT hardware to speed up implementation and reduce costs for mid-size and large organizations.

The release of RayManageSofti 11.4.1 has a great deal to do with the feedback from our customers since some of its new features and enhancements come as a direct result of that communication.
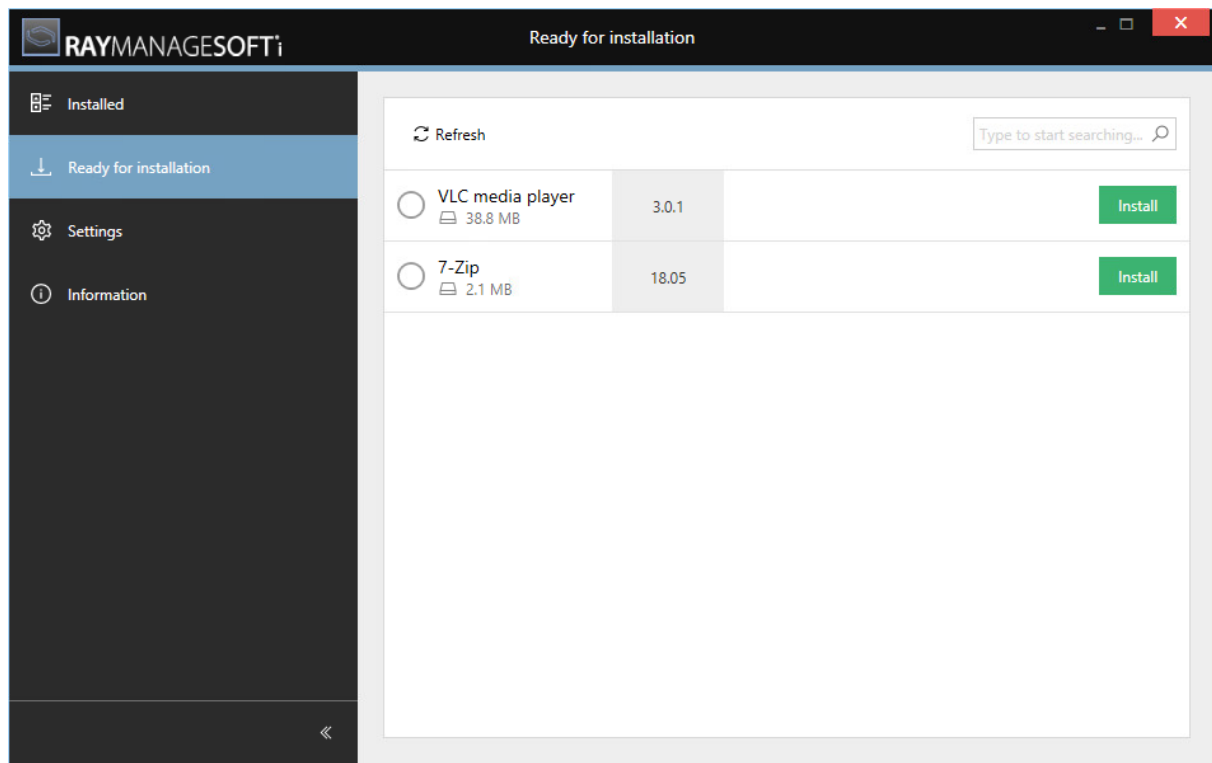
Welcome to RayManageSofti 11.4.1.

Software Deployment

License Counter

Security Patch Management

Roll-out-Wave-Control

OS Deployment

IT Asset Discovery & Inventory

New Feature highlights

New UI for Selector (Windows) RMS-4349

End-user experience has been improved in this build by a complete redesign and overhaul of the Selector application for Windows. The new app has a lightweight, modern design and exposed several properties and functions which were difficult to find in previous releases.

The new Selector offers quick shortcuts for triggering policy updates and viewing diagnostics and system information. The new Selector is the default choice for computers running Windows 7 and higher and .NET Framework 4.5 installed. For computers not meeting these requirements, the classic app is used instead.

Improvements & Changes

Improvements

- `RMS-3612` We improved memory usage and performance of File Scan with `ndtrack.exe`.

- `RMS-4405` We improved internals responsible for adding Network Devices, resulting in a better merge of existing and incoming SNMP entries.

- `RMS-4432` We improved performance and reliability of sub-reporting in the Computer Overview.

- `RMS-4512` We improved the display of reports exported to Excel files.

- `RMS-4513` We optimized **Security Patch Manager** Cleanup Dialog by cleaning-up only selected policies.

- `RMS-4514` We improved the performance of Oracle reports.

Resolved Issues

- `RMS-4336` We fixed a problem with the installer of **Managed Device** Windows package, which was not setting a required value for non-AD mode, resulting in removal of the correct bootstrap policy.

- `RMS-4420` We fixed a problem with **Managed Device** Upgrade Package for which the self-healing was constantly being triggered.

- `RMS-4422` We fixed a problem with a crash-to-desktop of the **Administration Console** when changing the deployment state from mandatory to optional for a multiselection.

- `RMS-4433` We fixed a problem with `FormatException` being thrown when importing an NDI file with enabled tracing and when the file name contained curly braces.

- `RMS-4435` We improved the download speed of packages which was not using the full network throughout.

- `RMS-4438` We fixed a problem with `DNSFullName` not being changed after binding a device to computer.

- `RMS-4453` We fixed a problem with `Value cannot be null` exception thrown for particular combination of publisher, version and product ID properties.

- RMS-4461 We fixed a problem with wrong dates in reporting for specific types of collected data.

- RMS-4463 We fixed a problem with the new reboot dialog which was not displaying its defer install prompt after rebooting the device.

- RMS-4467 We fixed **Security Patch Manager** automation task of adding to the policy which was failing with `NullReferenceException` if non-AD mode was not used.

- RMS-4488 We improved internal logic of the **Administration Console** installer.

- RMS-4490 We improved detection and recognition of macOS operating systems when importing computer entries, where they were incorrectly labeled as RedHat.

- RMS-4496 We added Windows 1909 to the list of **Security Patch Manager** targets.

- RMS-4508 We fixed some minor issues in SQL scripts executed during the installation of the Product.

- RMS-4511 We added extra logging for **Security Patch Manager** actions when running from the **Administration Console**.

- RMS-4531 We fixed a problem with availability of the "Edit as.." button, which was incorrectly enabled for non-AD mode.

- RMS-4535 We fixed a problem with **Package Store** generator, where some packages were failing due to a missing file (`DotNetZip.dll`).

- RMS-4548 We fixed a problem with determination of Windows 10 version which was reporting spoofed 6.2 NT Version.

Known Issues

For a list known issues in RayManageSofti refer to the Raynet [Knowledge Base](). If there are any known issues, the respective information can be found here and will be kept up-to-date.

- `RMS-4243` Compliance reports may be sometimes blank. If that is the case, make sure to clean-up the database from orphaned *Computer* entries, having no corresponding *NetworkDevice*.

- `RMS-4246` Adoption of an unmanaged non-AD Windows device works only with built-in Administrator account. As a workaround, use built-in accounts.

- `RMS-4298` Trigerring a reboot with a remotely executed `RMSReboot.exe` may return a failure message "`The device rejected the command.`" although the machine could be successfully rebooted. This issue can be workarounded by calling the legacy file `Reboot.exe` instead of `RMSReboot.exe` with the exact set of parameters.

- `RMS-4333` Non-AD mode functionality is not fully available for Unix/Linux/Mac devices. These devices still use a single MGS policy and are not targeted by the new policy filtering capabilities.

- `RMS-4363` Debian and Ubuntu use Linux Adoption Package instead of Debian adoption package.

- `RMS-4364` Solaris packages cannot be imported due to unsupported keyboard inputs.

- `RMS-4374` Deleted managed device settings are not removed from database.

- `RMS-4378` It is not possible to open Selector in RHEL 7 due to an unidentified platform.

- `RMS-4379` Only computers being in the `MANAGESOFT` domain are manageable by the ManageSoft policy. In order to workaround this, download and implement an updated settings package and then perform policy association in order for those devices to comply with their desired state.

- `RMS-4395` After binding a device to a computer, its domain is not automatically refreshed in the UI. The user has to refresh the grid to update the value.

- `RMS-4402` OS Deployment may sometimes show an error *The memory could not be read* after installing Windows. This message can be ignored by pressing the OK button, it does not have any negative impact on deployment and performance.

- `RMS-4550` The documentation for Selector for Windows does not reflect the changes introduced with this release.

System Requirements

RayManageSofti System Requirements

This section describes the compatibility of RayManageSofti 11.4.1. If installing any components of RayManageSofti on the same server, the version of that component must also be 11.4.1.

RayManageSofti Hardware Requirements

Basic Requirements

For devices running the Deployment Manager Administration Console or the Managed Device Selector

- Minimum screen resolution: 1024 x 768 pixels
- Minimum color settings: 8 bit (256 colors)

Core Servers

- Minimum RAM: 1 GB
- Recommended RAM: 8 GB or higher
- Minimum disk space: 1 GB

Reports Servers

- Minimum RAM: 2 GB
- Recommended RAM: 8 GB or higher
- Minimum disk space: 1 GB

Data Servers

- Minimum RAM: 2 GB
- Recommended RAM: 8 GB or higher
- Minimum disk space: 1 GB
    - o Additional 40 GB for systems including OS Deployment Manager
    - o Additional 30 GB for systems including Security Manager

Site Servers

- Minimum RAM: 1 GB
- Recommended RAM: 2 GB or higher
- Minimum disk space: 100 MB

Remote Console

- Minimum RAM: 1 GB
- Recommended RAM: 2 GB or higher
- Minimum disk space: 700 MB

Distribution Servers

- Minimum RAM: 1 GB
- Recommended RAM: 2 GB or higher
- Minimum disk space: 1 GB
    - Additional 20 GB for systems including OS Deployment Manager
    - Additional 30 GB for systems including Security Manager

Managed Devices

- Minimum RAM: 512 MB
- Recommended RAM: 1 GB or higher
- Minimum disk space: 300 MB

RayManageSofti Prerequisite Software

The table below describes the supported operating systems and software prerequisites of RayManageSofti 11.4.1 at the time of release.

Component	Operating system	Prerequisite software
Core Server	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP21	• .NET Framework 4.5.2 • Jre-7u45-windows-i586 x86 • Internet Explorer 7.0 or higher • Microsoft Internet Information Services 6.0 to 8.5 For OS Deployment Manager: • Microsoft Windows Automated Installation Kit (WAIK) with WinPE 3.0 or 3.1 for Windows versions from XP to 7 • Windows Assessment and Deployment Kit (ADK) with WinPE 3.1 or later for Windows 8, 8.1, 10 • Microsoft Windows Deployment Services (WDS - required only if you intend to use PXE support) • Microsoft Sysprep
Remote Console	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP2 • Windows 10 • Windows 10 x64	• .NET Framework 4.5.2 • Internet Explorer 7.0 or higher

	• Windows 8.1 • Windows 8.1 x64 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64 • Windows Vista • Windows Vista x64	
Data Server	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP2	• SQL Server 2017 • SQL Server 2016 • SQL Server 2014 • SQL Server 2012 • SQL Server 2008 R2 • SQL Server 2008 • SQL Server 2008 R2 with Reporting Services • SQL Server 2012 with Reporting Services • SQL Server 2014 with Reporting Services • SQL Server 2016 with Reporting Services • SQL Server Tools and Workstation Components 2005, SQL Server 2008, SQL Server 2012, SQL Server 2014 • Features: Client Tools Connectivity, Management Tools • .NET Framework 4.5.2
Reports Server	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012	• .NET Framework 4.5.2 • Reporting Services (same release as the database) • Microsoft Internet Information

	• Windows Server 2008 R2 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP21	Services 6.0 or higher
Site Server (OS Deployment Manager only)	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 • Windows Server 2008 SP1-SP2 • Windows Server 2008 x64 SP1-SP2 Supported, but not recommended: • Windows 10 • Windows 10 x64 • Windows 8.1 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64 • Windows Vista • Windows Vista x64	• Windows Assessment and Deployment Kit (ADK) with WinPE 3.1 or later for Windows 8, 8.1, 10 • Microsoft Windows Deployment Services (WDS required only if you intend to use PXE support)
Managed Device	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 Core • Windows Server 2008 R2 • Windows Server 2008 Core • Windows Server 2008 • Windows Server 2008 Core x64	• Internet Explorer 7.0 or higher (Windows platforms only) • Java SE Runtime Environment (build 1.6.0) (Mac OS X only)

- Windows Server 2008 x64

- Windows Server 2003

- Windows Server 2003 x64

- Windows 10

- Windows 10 x64

- Windows 8.1

- Windows 8.1 x64

- Windows 8

- Windows 8 x64

- Windows 7

- Windows 7 x64

- Windows Vista

- Windows Vista x64

- Windows XP

- Windows XP x64

- Windows 2003 R2

- Windows 2003 R2 x64

- RedHat Linux 8 and 9

- RedHat Enterprise Linux 3, 4, 5, 6, 6.1

- SuSE Professional/OpenSuSE 9, 10, 11

- SuSE Enterprise Server (SLES) 9, 10, 11

- Mac OS X 10.8, 10.9, 10.10

- Solaris 9, 10, 11 (Intel)2

- Solaris 8, 9, 10, 11 (SPARC)2

- CentOS 6.x, 7.x2

- Fedora 212

- AIX 5.2, 5.3, 6.1, 7.12

- HP-UX 11.00, 11i, 11i v2, 11iv32

Snapshot Wizard	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 • Windows Server 2008 • Windows Server 2008 x64 • Windows 10 • Windows 10 x64 • Windows 8.1 • Windows 8.1 x64 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64 • Windows Vista • Windows Vista x64	
Distribution Server	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 Core • Windows Server 2008 R2 • Windows Server 2008 Core • Windows Server 2008 • Windows Server 2008 Core x64 • Windows Server 2008 x64 Supported, but not recommended: • Windows 10 • Windows 10 x64	• Jre-7u45-windows-i586 x86

	• Windows 8.1 • Windows 8.1 x64 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64	
Inventory	• Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 • Windows Server 2008 R2 Core • Windows Server 2008 R2 • Windows Server 2008 Core • Windows Server 2008 • Windows Server 2008 Core x64 • Windows Server 2008 x64 • Windows Server 2003 R • Windows Server 2003 R2 x64 • Windows Server 2003 SP2 • Windows Server 2003 x64 SP2 • Windows 10 • Windows 10 x64 • Windows 8.1 • Windows 8.1 x64 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64 • Windows Vista • Windows Vista x64 • Windows XP Professional	• Java SE Runtime Environment (build 1.6.0) (Mac OS X only)

• Windows XP Professional x64 • Windows XP Home • RedHat Linux 8 and 9 • RedHat Enterprise Linux 6.x, 7.x • CentOS 6.x, 7.x • Fedora 21 • SuSE Professional/OpenSuSE 9, 10, 11 • SuSE Enterprise Server (SLES) 9, 10, 11 • Solaris 9, 10, 11 (Intel) • Solaris 8, 9, 10, 11 (SPARC) • Mac OS X 10.8. 10.9, 10.10 • AIX 5.2, 5.3, 6.1, 7.1 • HP-UX 11.00, 11i, 11i v2, 11i v3	

> ⚠️ **Warning:**
> Managed devices with operating systems which use OpenSSH 6.9 or higher are not supported!

[1] Requires IIS to run in 32 bit mode
[2] Advanced support

RayVentory System Requirements

This section describes the compatibility of RayVentory 11.4.1.

RayVentory Hardware Requirements

RayVentory Server

- Minimum RAM: 2 GB
- Recommended RAM: 8 GB or higher
- Minimum disk space 8 GB

RayVentory Server (1 - 4.000 devices)

- Dual Core CPU
- 8 GB RAM
- 60 GB disk space for OS
- 40 GB disk space for database

RayVentory Server (4.001 - 10.000 devices)

- Dual Core CPU
- 16 GB RAM
- 60 GB disk space for OS
- 100 GB disk space for database

RayVentory Portal

- Minimum RAM: 2 GB
- Recommended RAM: 4 GB or higher
- Minimum disk space: 2 GB

RayVentory Prerequisite Software

The table below describes the supported operating systems and software prerequisites of RayVentory 11.4.1 at the time of release.

Component	Operating system	Prerequisite software
RayVentory Server	- Windows 2016 Server - Windows 2012 R2 Server - Windows 2012 Server - Windows 2008 R2 Server x64 - Windows 2008 Server x86 SP2 - Windows 2008 Server x64 SP2	.NET Framework 4.5.2 - PowerShell 3 - SQL Server 2008 - 2016 Express or higher edition - Microsoft Internet Information Services 6.0 to 8.5
RayVentory Portal	- Windows 2016 Server - Windows 2012 R2 Server - Windows 2012 Server - Windows 2008 R2 Server x64 - Windows 2008 Server x86 SP2 - Windows 2008 Server x64 SP2 - Windows 10 - Windows 10 x64 - Windows 8.1 - Windows 8.1 x64 - Windows 8 - Windows 8 x64 - Windows 7 - Windows 7 x64	.NET Framework 4.5.2
RayVentory for OS Inventory (Agentless inventory)	- Windows 2016 Server - Windows 2012 R2 Server - Windows 2012 Server - Windows 2008 R2 Server	- Internet Explorer 7.0 to 11.0 (Windows platforms only) - Java SE Runtime Environment (build 1.6.0) (Mac OS X agent inventories only)

Core

- Windows 2008 R2 Server
- Windows 2008 Server Core
- Windows 2008 Server
- Windows 2008 Server Core x64
- Windows 2008 Server x64
- Windows 10
- Windows 10 x64
- Windows 8.1
- Windows 8.1 x64
- Windows 8
- Windows 8 x64
- Windows 7
- Windows 7 x64
- Windows Vista
- Windows Vista x64
- RedHat Linux 8 and 9
- RedHat Enterprise Linux 3, 4, 5, 6, 6.1
- SuSE Professional/ OpenSuSE 9, 10, 11
- SuSE Enterprise Server (SLES) 9, 10, 11
- Mac OS X 10.8, 10.9, 10.10
- Windows XP
- Windows XP x64
- Windows 2003 R2 Server
- Windows 2003 R2 Server x64
- Windows 2003 Server
- Windows 2003 Server x64
- Solaris 9, 10, 11 (Intel)
- Solaris 8, 9, 10, 11 (SPARC)
- CentOS 6.x, 7.x

	• Fedora 21 • AIX 5.2, 5.3, 6.1, 7.1 • HP-UX 11.00, 11i, 11i v2, 11iv3	
RayVentory for vSphere Inventory	vSphere Components • VMware ESX Server 3.0 and higher • VMware ESXi Server • VMware vCenter Server	• .NET Framework 4.5.2
RayVentory for Oracle Inventory	Database Components • Oracle Database 9i • Oracle Database 10g • Oracle Database 11g • Oracle Database 12c	• Java Runtime 1.4.2 - Java 8 • Any operating system supporting Oracle JRE

Warning:

Managed devices with operating systems which use OpenSSH 6.9 or higher are not supported!

Compatibility

This section describes the compatibility of RayManageSofti 11.4.1 . If installing any components of RayManageSofti on the same server, the version of that component must also be 11.4.1.

Compatible Components

Versions of distribution servers and managed devices that can be managed by Deployment Manager 11.4.1:

Component	Compatible versions
Deployment Manager for distribution servers	10.x
Deployment Manager for managed devices (Windows)	10.x
Deployment Manager for managed devices (Linux)	10.x
Deployment Manager for managed devices (Solaris)	10.x
Deployment Manager for managed devices (Mac OS X)	10.x
Deployment Manager for managed devices (AIX)	10.x
Deployment Manger for managed devices (HP-UX)	10.x

Versions of distribution servers and managed devices that can be managed by OS Deployment Manager 11.4.1 and Security Manager 11.4.1:

Component	Compatible versions
Deployment Manager for distribution servers	10.x
Deployment Manager for managed devices (Windows)	10.x

Upgrading from Earlier Releases

The last version before this release was 11.0; therefore, this upgrade path is regarded as the RayManageSofti/RayVentory standard upgrade procedure. To upgrade from releases earlier than 11.0, please consult your Raynet support representative.

Please note that the system requirements have changed since the last release. Make sure to meet the system requirements during each step of the migration process to ensure a stable system status at all times.

Additional Information

Information	Description
Product Page	Visit our product page for further information on RayManageSofti.
Knowlege Base	Take a look at the additional resources available at the Knowledge Base.
Support Panel	Please contact your Raynet service partner or use our Support panel to add your ideas or requirements to the RayManageSofti development roadmap.
Download Page	Simply download for further documentations.
Newsletter Registration	Our newsletter informs you about all important topics concerning our products and solutions as well as upcoming events and more.

RayManageSofti is part of the RaySuite

More information online
www.raynet.de

•rayNET

Raynet GmbH

Technologiepark 20
33100 Paderborn, Germany
T +49 5251 54009-0
F +49 5251 54009-29
info@raynet.de

www.raynet.de