



RAYMANAGESOFTi[®]

A New Generation of Software Deployment

**Release Notes
RayManageSofti 12.0**



RAYVENTORY[®]
is part of RayManageSofti

RayManageSofti is part of RaySuite.

•rayNET

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Release Notes for release 12.0

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Raynet GmbH Germany
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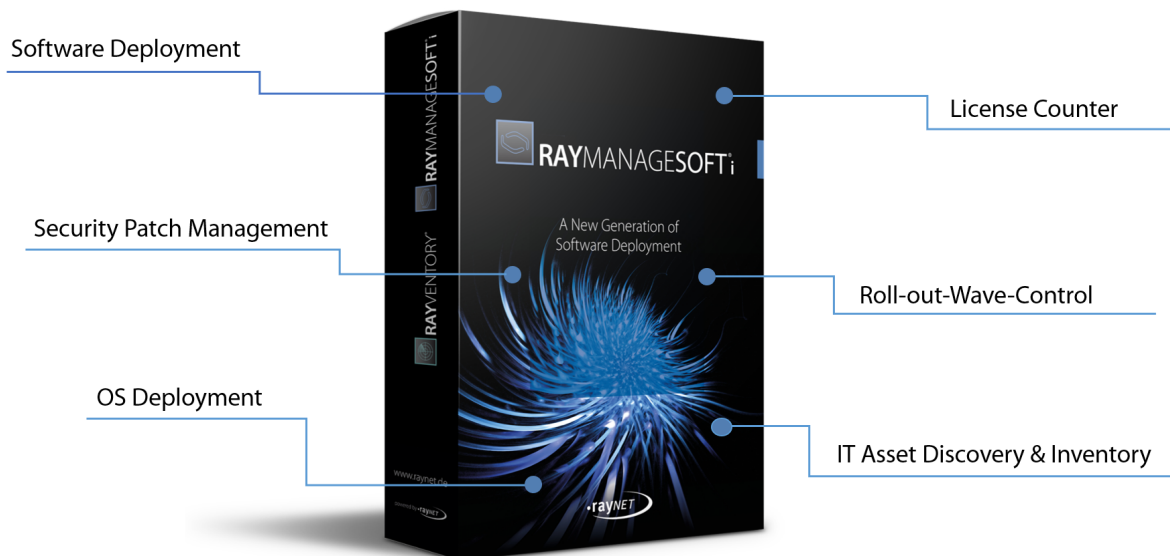
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Introduction

RayManageSofti 12.0, 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 12.0 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.

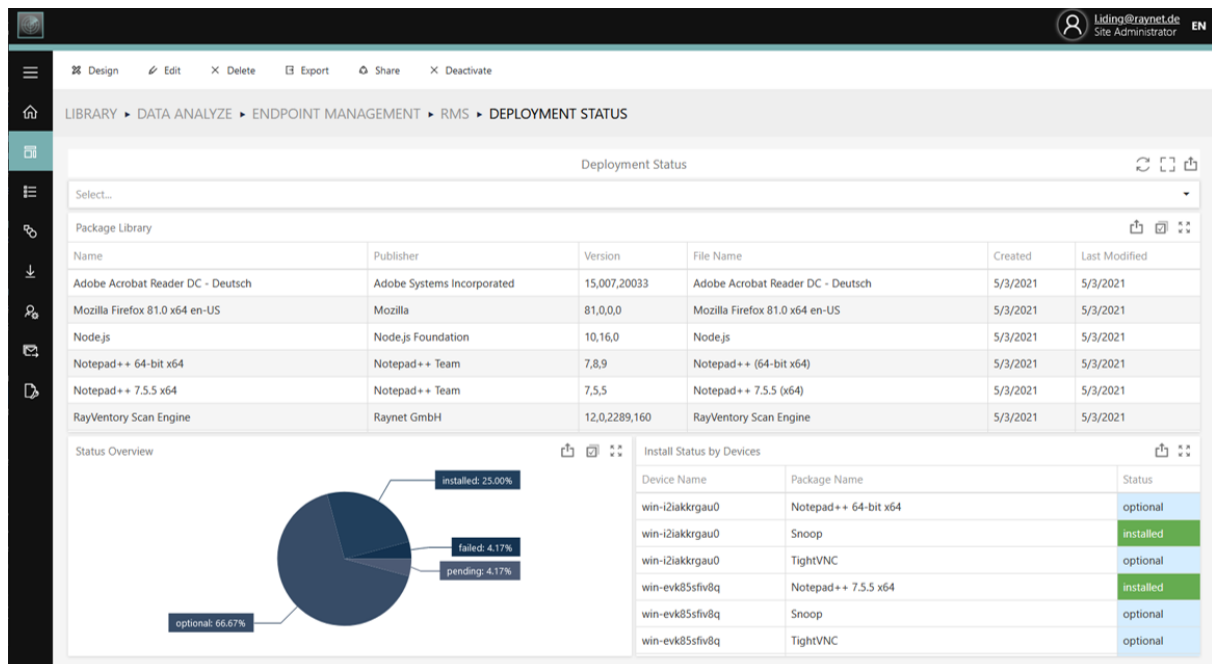
Welcome to RayManageSofti 12.0.



New Feature highlights

New Reporting Engine RMS-4872

In this version, we integrated a modern, interactive, and flexible reporting engine powered by the Raynet solution Data Hub. With a 100 % web based editor and an intuitive, drag-and-drop base editing model creating new reports and dashboards with precise information is now much easier and requires no programming or scripting.



The reporting supports basic structures like tables, charts, diagrams, badges and labels, heat maps, and much more. You can create highly interactive diagrams, custom color schemes, rows and cells highlighting, and much more. Built-in sorting and filtering features are available with even more data transformation possibilities through ETL (Extract-Transform-Load) components.

Extended List of Supported Windows Operating Systems RMS-4662 RMS-

4792 RMS-4873

In this build, the list of target operating systems has been extended by the newest versions of the Windows family: Windows 11, Windows 10 (versions up to 21H2), and Windows Server 2022.



Improvements & Changes

Improvements

- Inventory files are now hashed with an MD5 signature to ensure they are not tempered with. [RMS-4618](#) [RMS-4633](#)
- Added `Win32_Service` WMI class to default WMI classes scanned by `ndtrack.exe` (`wmitrack.ini`). [RMS-4591](#)
- Added new command-line switch `-o GuidAsName` to `ndtrack` which ensures the new `.ndi` file has a random name to prevent later name collisions. [RMS-4606](#)
- Added new columns `Common Platform Enumeration (CPE)` and `Is active?` in License Counting module. [RMS-4460](#) [RMS-4459](#)
- Improved merging of information from SNMP scans. In this version, `sysName` is prioritized over DNS/NETBIOS name and other in order to avoid duplicates for each different DNS name in case of many NCIs. [RMS-4405](#)
- Improved performance of VMware reports. [RMS-4201](#)
- Improved performance of RMSSA in conjunction with WUA usage. [RMS-4749](#)
- Double-clicking on a package in the tree view now opens the properties dialog. [RMS-4832](#)
- Added extra logging for modern dialogs for Selector, Postponement, and Reboot. [RMS-4489](#)
- Importing a third-party installer (Windows) now discards leading and trailing whitespaces around the file version. [RMS-4282](#)

Resolved Issues

- We fixed several minor issues and improved stability of the modern selector UI. [RMSC-76](#) [RMSC-88](#) [RMSC-100](#) [RMSC-223](#) [RMSC-238](#) [RMSC-239](#) [RMSC-261](#) [RMSC-264](#) [RMSC-349](#) [RMSC-702](#) [RMSC-4526](#) [RMSC-4538](#) [RMSC-4539](#) [RMS-4544](#) [RMSC-4554](#) [RMS-4555](#) [RMS-4609](#) [RMS-4610](#)
- Fixed an issue where the import of package tags could fail due to missing values. [RVP-629](#)
- Improved stability and eliminated crashes in the policy snap-in and policy editor. [RMS-4859](#) [RMS-4890](#)
- Fixed an issue where the device tab in the policy editor was visible even for AD policies. [RMS-4883](#)
- Fixed an issue where the modern Reboot notification was not reappearing after the reboot when the system was locked. [RMS-4741](#)
- Fixed an issue where the modern Reboot prompt was not performing an auto-reboot after the expiration of the countdown. [RMS-4543](#)
- Fixed an issue where clicking on the **Clean** context menu item without prior selection of a bulletin could lead to a crash. [RMS-4738](#)
- Fixed an issue with missing permissions to the group `msg_reader` for web reporting. [RMS-4601](#) [RMS-4644](#)
- Fixed issues with removing devices with duplicated id values. [RMS-4617](#)
- Fixed various issues in drilldown reports in certain software deployment reports. [RMS-4602](#)
- Fixed issues with inconsistent data in the adoption status details report for devices not being joined to a domain. [RMS-3283](#)
- Fixed an issue with the Add to policy wizard where refreshing the list would load not relevant types of available packages. [RMS-3417](#)
- Fixed a possible memory leak in `ndtrack` when reading the directories. [RMS-3612](#)
- Fixed an issue with distribution a packed RPM package via **Approval** wizard where the operation could fail with a `Data is Null` exception. [RMS-4199](#)
- Added missing error dialogs in case of editing a read-only policy. [RMS-4286](#)
- Fixed an issue where it was possible to add managed device settings to a policy even after deletion. [RMS-4374](#)
- Removed an invalid entry **Open dashboard** from the taskbar context menu (jump list). [RMS-4507](#)
- Fixed an issue where the **Synchronize Distribution Location** view report action tried loading

a legacy report instead of an SSRS one. [RMS-4472](#)

- Fixed the not working option **Remember this user name** in non-AD mode. [RMS-4517](#)
- Removed the possibility to edit the bandwidth of a distribution server other than the distribution locations. [RMS-4570](#)
- Fixed an UI issue, where clearing the checkboxes could lead to a crash. [RMS-4895](#)
- Fixed an issue, where licenses were expecting a network device for every computer and did not consider possible duplicated network device entries for each computer. [RMS-4896](#)
- Fixed an UI issue, where the console could crash when uploading big icons. [RMS-4897](#)
- Fixed an issue with the Security Patch Manager, where removed packages were still shown in policies. [RMS-4898](#)
- Fixed an UI issue, where non-default DS ports were not restored properly in the DS properties dialog. [RMS-4901](#)
- Fixed an UI issue, where a previously selected inventory data with `ProductCode` was not overridden by a subsequent selection of an unmanaged package. [RMS-4904](#)
- Improved context menu and various delete options in the Package Editor's **Files and Folders** section. [RMS-4905](#)
- Fixed incorrect layout in Package Editor in case of mixed file and folder selection. [RMS-4907](#)
- Fixed an issue, where the new package wizard could crash with a null reference exception after finishing the import. [RMS-4912](#)

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.

System Requirements

RayManageSofti System Requirements

This section describes the compatibility of RayManageSofti 12.0. If installing any components of RayManageSofti on the same server, the version of that component must also be 12.0.

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
 - Additional 40 GB for systems including OS Deployment Manager
 - 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 Software Prerequisites

The table below describes the supported operating systems and software prerequisites of RayManageSofti 12.0 at the time of release.

Component	Operating system	Prerequisite software
Core Server	<ul style="list-style-type: none"> • Windows Server 2022 • 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 	<ul style="list-style-type: none"> • .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 <p>For OS Deployment Manager:</p> <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Windows Server 2022 • 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 11 	<ul style="list-style-type: none"> • .NET Framework 4.5.2 • Internet Explorer 7.0 or higher

	<ul style="list-style-type: none"> • 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 	
Data Server	<ul style="list-style-type: none"> • Windows Server 2022 • 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 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Windows Server 2022 • Windows Server 2019 	<ul style="list-style-type: none"> • .NET Framework 4.5.2 • Reporting Services (same release

	<ul style="list-style-type: none"> • 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 	<p>as the database)</p> <ul style="list-style-type: none"> • Microsoft Internet Information Services 6.0 or higher
<p>Site Server (OS Deployment Manager only)</p>	<ul style="list-style-type: none"> • Windows Server 2022 • 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 <p>Supported, but not recommended:</p> <ul style="list-style-type: none"> • Windows 11 • Windows 10 • Windows 10 x64 • Windows 8.1 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64 • Windows Vista • Windows Vista x64 	<ul style="list-style-type: none"> • 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)
<p>Managed Device</p>	<ul style="list-style-type: none"> • Windows Server 2022 • Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 	<ul style="list-style-type: none"> • Internet Explorer 7.0 or higher (Windows platforms only) • Java SE Runtime Environment (build 1.6.0) (Mac OS X only)

- 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
- Windows Server 2003 x64
- Windows 11
- 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

	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Windows Server 2022 • 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 11 • 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	<ul style="list-style-type: none"> • Windows Server 2022 • Windows Server 2019 • Windows Server 2016 • Windows Server 2012 R2 • Windows Server 2012 	<ul style="list-style-type: none"> • Jre-7u45-windows-i586 x86

	<ul style="list-style-type: none"> • 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 <p>Supported, but not recommended:</p> <ul style="list-style-type: none"> • Windows 11 • Windows 10 • Windows 10 x64 • Windows 8.1 • Windows 8.1 x64 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64 	
Inventory	<ul style="list-style-type: none"> • Windows Server 2022 • 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 	<ul style="list-style-type: none"> • Java SE Runtime Environment (build 1.6.0) (Mac OS X only)

	<ul style="list-style-type: none">• Windows Server 2003 x64 SP2• Windows 11• 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• 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	
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**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

Compatibility

This section describes the compatibility of RayManageSofti 12.0 . If installing any components of RayManageSofti on the same server, the version of that component must also be 12.0.

Compatible Components

Versions of distribution servers and managed devices that can be managed by Deployment Manager 12.0:

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 12.0 and Security Manager 12.0:

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 11.4.1; therefore, this upgrade path is regarded as the RayManageSofti/RayVentory standard upgrade procedure. To upgrade from releases earlier than 11.4.1, 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
<u>Product Page</u>	Visit our product page for further information on RayManageSofti.
<u>Knowledge Base</u>	Take a look at the additional resources available at the Knowledge Base.
<u>Support Panel</u>	Please contact your Raynet service partner or use our Support panel to add your ideas or requirements to the RayManageSofti development roadmap.
<u>Download Page</u>	Simply download for further documentations.
<u>Newsletter Registration</u>	Our newsletter informs you about all important topics concerning our products and solutions as well as upcoming events and more.

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More information online
www.raynet.de



Raynet GmbH

Technologiepark 22
33100 Paderborn, Germany
T +49 5251 54009-0
F +49 5251 54009-29
info@raynet.de

www.raynet.de