RayManageSoft®

Software Deployment

10.3 *infinity*
Release Notes

•**ray**NET

Release Notes
for relase 10.3 $infinity$

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Introduction

RayManageSoft 10.3 infinity, 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 RayManageSoft client-centric architecture leverages existing IT hardware to speed up implementation and reduce costs for mid-size and large organizations.

The release of RMSi 10.3 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. The new features in version 10.3 meet the needs of our current customers and the demand of the current market. Some of those demands are in the area of software asset management (SAM) where enterprises are looking for well-rounded, comprehensive deployment software that also targets license counting, detailed reporting, and inventorying of software and hardware, just to name a few.

**Welcome to RayManageSoft 10.3 infinity.**

Deployment Manager

Deployment Manager is the component of RayManageSoft that transforms desktops, servers, and mobile devices into self-managing, smart devices that continuously align with enterprise IT policies.

New Features in Deployment Manager

Enhanced Bundles Feature

To ease the distribution of multiple packages simultaneously, the Deployment Manager **Bundles** feature was introduced in theRayManageSoft infinity 10.1. Taking it a step further in this version the feature has been augmented by allowing security patches to be added along with the software packages in a unified list to be distributed as a bundle.
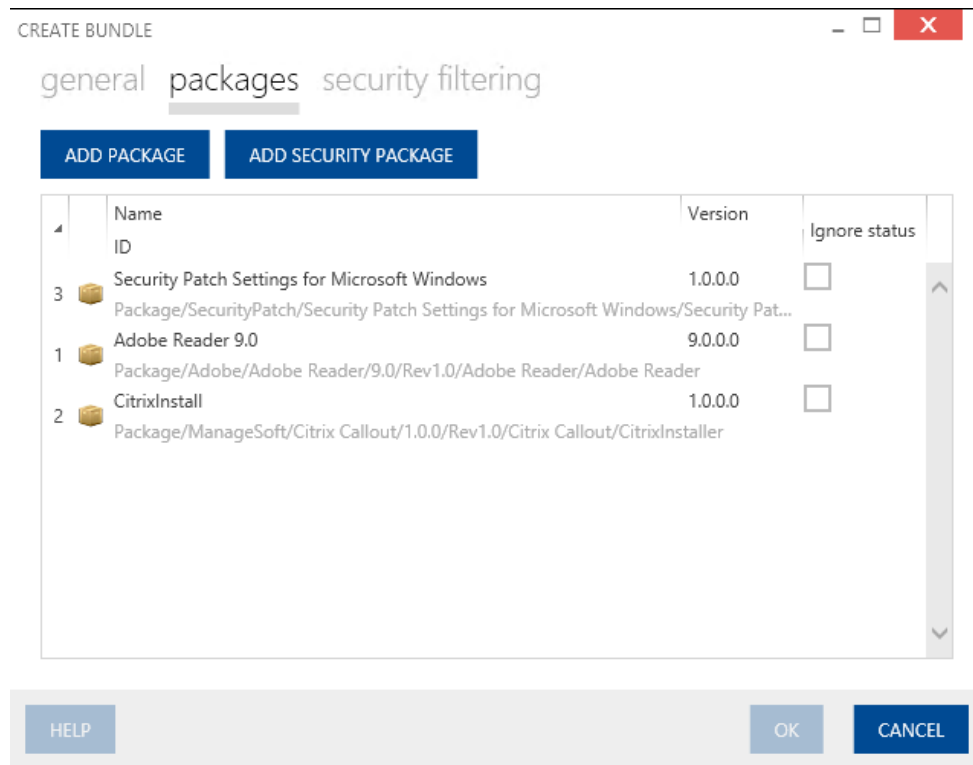
Furthermore, the users have been empowered to set their own criteria for successful deployment of a bundle. Previously, successful deployment of a bundle meant that all the software packages in the bundle were successfully deployed. However, this hindered the user's ability to control the overall bundle deployment status in instances where certain packages could be ignored in the deployment process.

Considering this dilemma, RayManageSoft infinity 10.3 **Bundles** feature now allows the user to set **Ignore Status** for a particular software package or security patch in a bundle. The status can be set while adding the

packages to the bundle or by editing an existing bundle.

New Bundle Report

The summarized and detailed report pertaining to the bundle installation is now available in the Reporting section of RayManageSoft infinity 10.3.

Enhanced Rollout Control

Once a group of packages from the software library is destined to be deployed, a strategy for rolling them out is needed. This strategy typically includes phases of installations on one or more pilot device groups, followed by several productive clusters. Managing these rollout waves manually can be a time consuming and challenging task, especially when dealing with monitoring and exception handling. RayManageSoft **Rollout Control**, through its simple yet highly interactive user interface, allows the user to plan and execute this job of strategically deploying packages in an intelligent and efficient way.

Rollout Plan Type

By extending and enhancing the **Rollout Control**, RayManageSoft infinity 10.3 introduces flexible rollout settings that enable users to self-define the type of rollout plan they want to create. Users can select their rollout plan type from the following options:

- **Installation**: Creates a rollout plan for installation of the affected packages targeted by the security group on the selected devices.

- **Uninstallation**: Creates a rollout plan for the uninstallation of affected packages targeted by the security group on the devices that are a member of the selected security group or manually selected.

- **Upgrade**: Creates a rollout plan for the package upgrade. For an upgrade, two security groups need to be specified. The first group contains affected packages that will be uninstalled from the devices that are a member of the first security group or manually selected. Then the affected packaged from the second security group will be installed in their place.

Affected Packages

Rollout Control of RayManageSoft infinity 10.3 comes with supplemented **New Rollout Plan** wizard. The wizard provides a list for their user that includes the affected packages targeted by the selected security group.

When the selected security group does not target any packages, the following message is displayed:

Possibility to add Bundle to Rollout

Rollout Control in this version of the RayManageSoft gives its users the ability to add bundles to their rollout plan.

Emergency Stop

While rolling out packages to the target clients, issues such as technical problems or security incidents may arise. In an effort to grant an immediate response to such situations, **Rollout Control** comes with a "STOP" button in this version. The button is enabled when a rollout plan is started. If utilized, RayManageSoft using the messaging services will send a message to the clients targeted by the rollout plan and stop further installation of the packages.
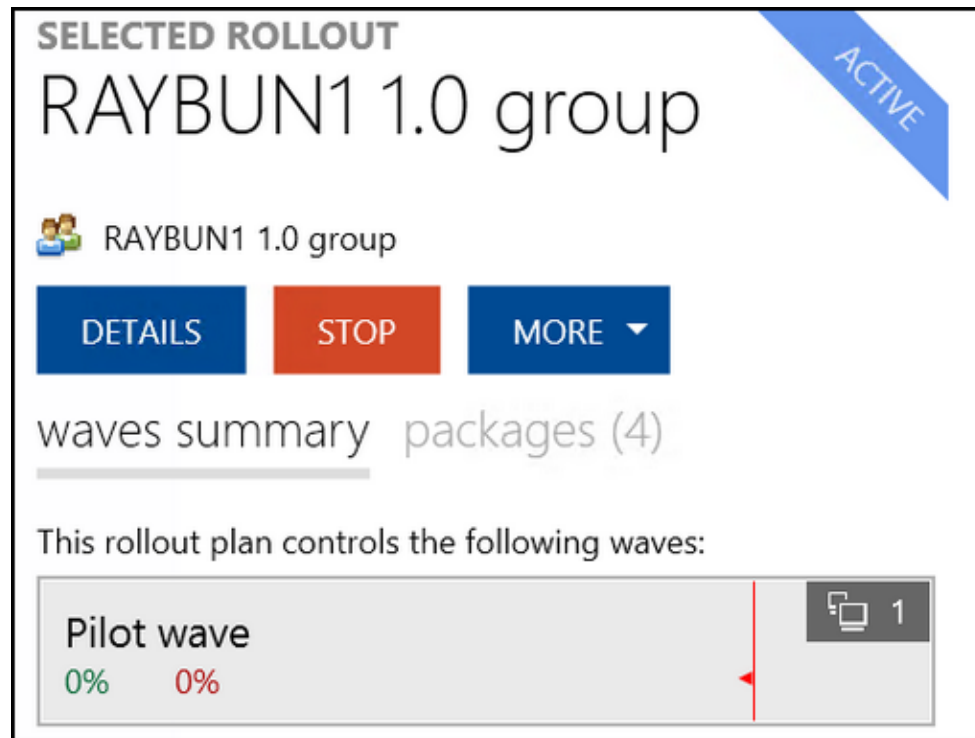
Email Notification

With the RayManageSoft infinity 10.3 Rollout Control, it is now possible for users to receive status of the rollout plans as email notification. The notifications are sent in a scheduled manner, when one of the following events occurs:
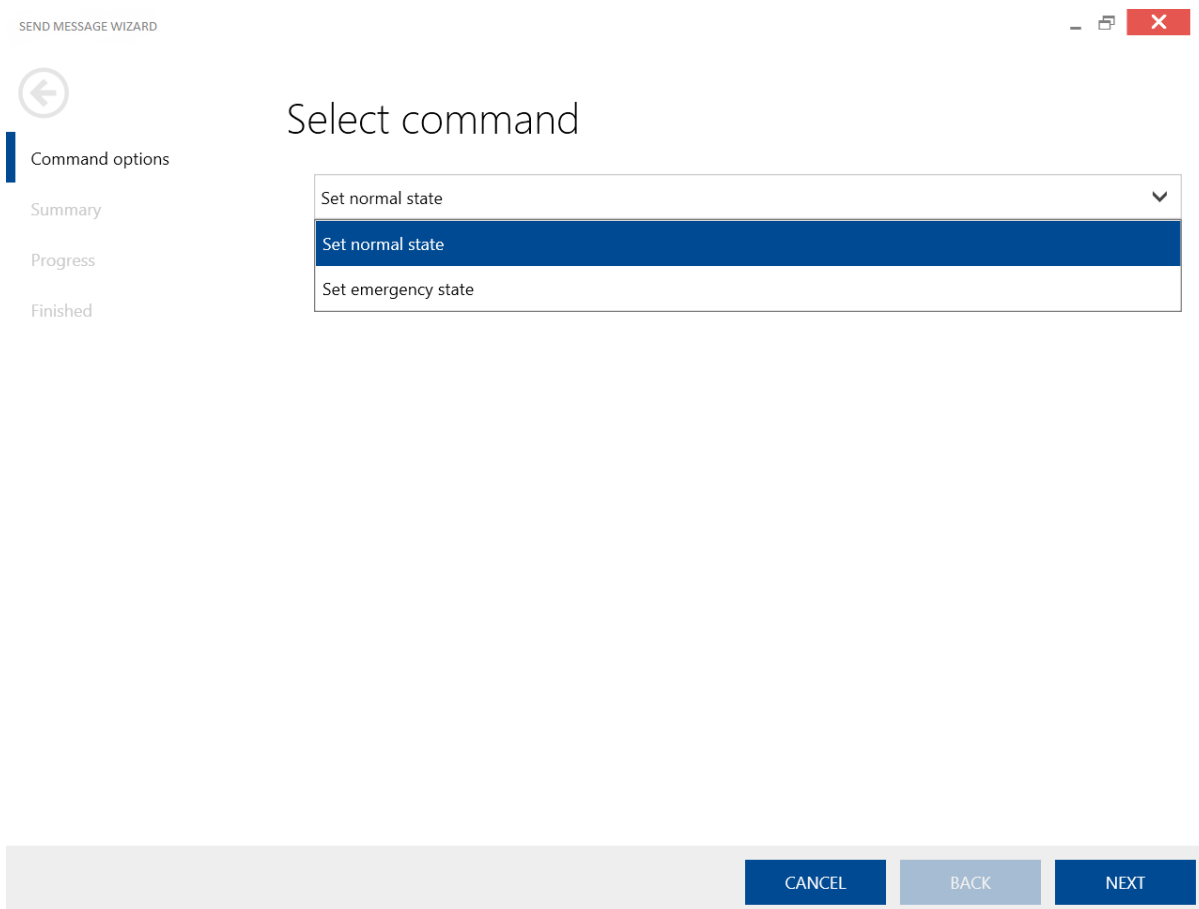
- When a rollout wave is activated

- Emergency Stop is triggered

- A rollout wave is overridden
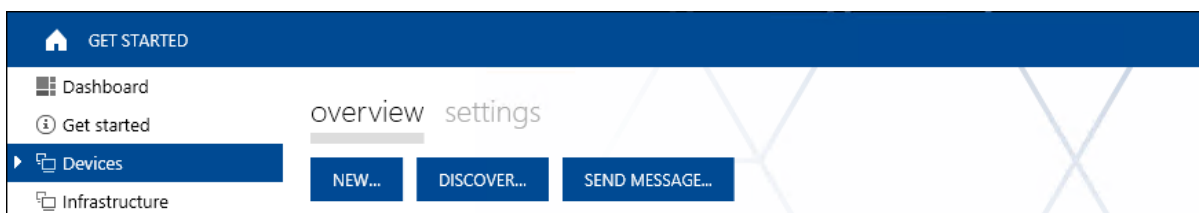
- Status of rollout wave is changed

Send Message Wizard for Devices

At the Administration Server End

Based on the RayManageSoft messaging system, a new messaging wizard for the devices has been implemented in this version. When using the wizard, the user can send a message directly to the devices instructing them to either set emergency state or restore normal state.

SEND MESSAGE WIZARD   _ ⬚ ✕

Select command

Command options

Summary

Progress

Finished

Set normal state	⌄
Set normal state	
Set emergency state	

CANCEL   BACK   NEXT

To use the messaging wizard, use the **SEND MESSAGE...** button as shown in the figure below or select the **Send message** option from the context menu, which is available when right-clicking upon a device in the Devices snap-in.

🏠 GET STARTED

⬛ Dashboard
ⓘ Get started
▶ 🗄 Devices
🗄 Infrastructure

overview settings

NEW...   DISCOVER...   SEND MESSAGE...

The messaging history is available on the left sidebar of the **Devices** snap-in.

At the Managed Device End

The managed device(s), upon receiving the emergency message from the administration server, stops the ongoing installation or uninstallation of the packages. Furthermore, during this state of the emergency, it restores itself to the normal state when it receives the 'normal state' (all clear) message through the messaging channel.

Improved License Counting

The License Counting feature was introduced in the RayManageSoft infinity 10.2. It gives the user a quick and easy method to track the number of licenses on a managed device for a particular software package.

Depending upon the type of license and its provider, a license may have several properties, e.g., Vendor, Copyright Info, Contact Info, etc. The **License Counting** in this version of RayManageSoft now makes it possible for users to add data fields as custom properties for the license, and the defined custom property for a license is visible as additional information in the license editor.

Users can define custom properties for their license through the custom properties editor. The custom properties editor, through its easy to use user interface, allows new properties to be added in a two-step process. To add a new property the user needs to specify the Property name and Property type. Users are able to choose from Text, Dropdown, Checkbox, and Quantity as the property type.

Domain Level Report Filtering

A new option, "Select all domains", has been added to the new Reporting view. This makes it now feasible to show a single report for all domains, without filtering it at the individual domain level.

Resolved Issues

Package Version Error

Information regarding packages in the policy is saved in the Active Directory and Database. When a package that existed in Active Directory was deleted from Database, the RayManageSoft Policy Editor showed the package version as 1.0.0.0 instead of <n/a>. This issue is resolved in this release of RayManageSoft infinity.

Package Dependencies for Unmanaged Packages

Normally with RayManageSoft the users have the ability to select "any version" as the version criteria for unmanaged packages in relation to package dependencies. This was not the case because of an issue at the managed device's end, and RayManageSoft was not able to evaluate the current version that was already present. This glitch has been rectified for this release.

Known Issues

Reporting With SQL 2005

The new Reporting component of Deployment Manager has some issues while working with SQL Server 2005. See the Prerequisite Software section[1] of this document for details.

OS Deployment Manager

OS Deployment Manager automates the process of deploying and installing Microsoft Windows® XP, Vista, 7, 8, Windows Server® 2003, 2008 and 2012 operating systems on computers throughout the IT infrastructure, even with limited connectivity or IT support. It eases the migration from one OS version to another and is an essential tool for a Windows® 8 deployment.

New Features in OS Deployment Manager

Improved Drivers Dialog

Drivers snap-in of the RayManageSoft infinity 10.3 OS Deployment Manager has been enhanced with user friendly and straightforward **hardware profiles** and **make and model** dialogs.
Using these dialogs, users can (based on the hardware in their environment) define different hardware profiles and automate deployment of drivers using the make and model.

Image 8 shows the new dialog for the **make and model**. The startup interface of the dialog is intended to provide its users a summarized overview of the number of drivers and hardware profiles in the selected make and model. Furthermore, through a simple selection on the user interface, users can add more drivers and hardware profiles to make and model.
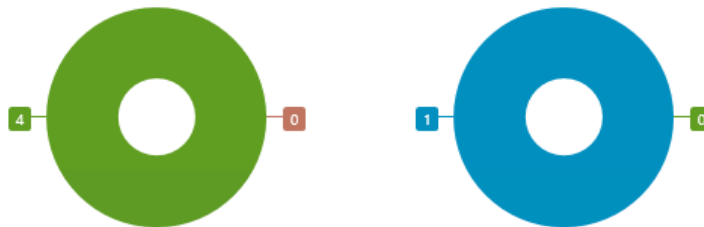
Sidebar Icons

Two icon based tools have been added to the right sidebar of drivers sections to further improve the usability of OS Deployment Manager. When working in any of these sub-sections, **drivers library**, **hardware profiles**, or **make & model**, and an instance belonging to the section is selected, the image below that contains the icons becomes available. The icons can be utilized to open the repository in the selected section to add, delete, edit, etc. any files, and/or refresh any instance properties from the selected section.
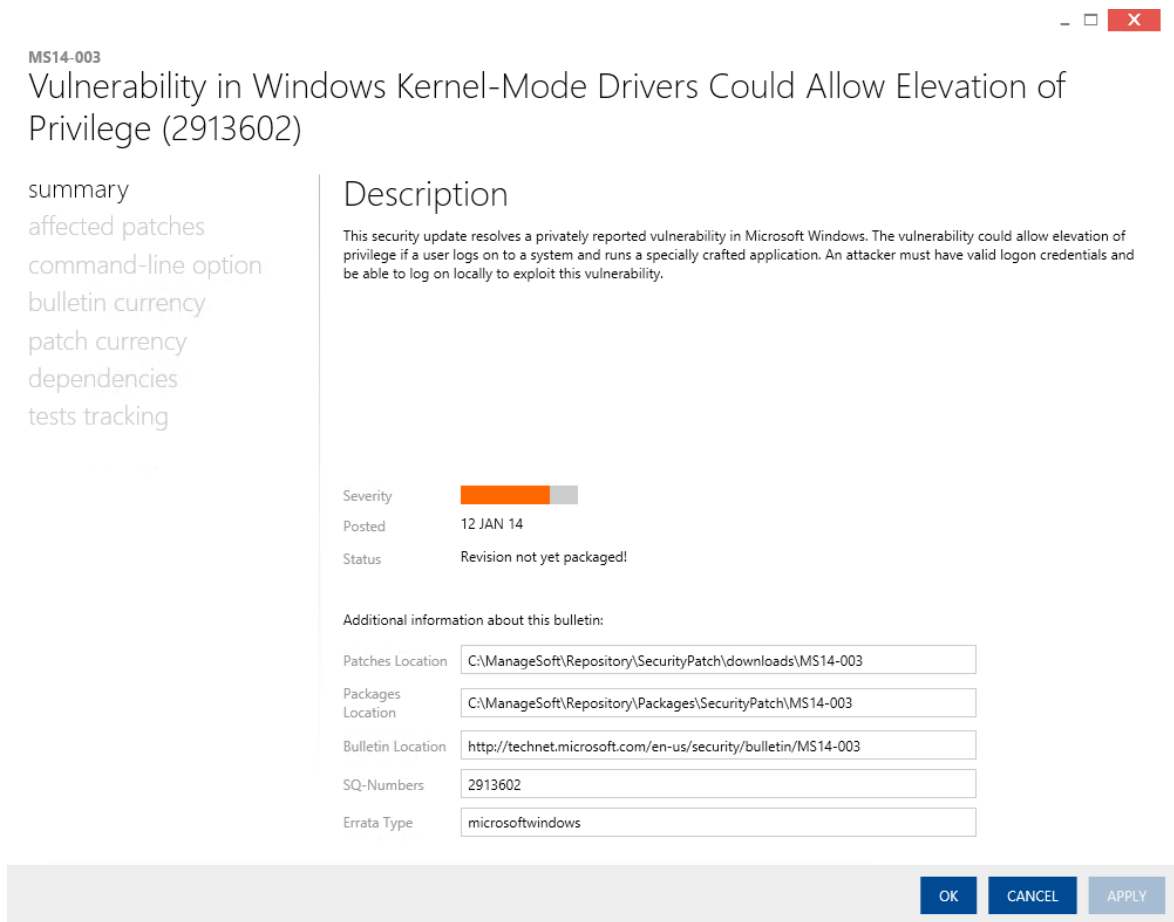
Security Manager

Security Manager protects organizations by automatically monitoring the authoritative sources of patch data for Windows devices. It provides alerts for new patches and streamlines the process of deploying patches to devices across the enterprise. Flexible workflows allow patch deployment to the entire enterprise, specific organizational units or individual users and computers.

New Features in Security Manager

New Bulletin Properties Dialog

To bring in line with the interactive and straightforward user interface of RayManageSoft, the old Bulletin Properties dialog in Security Manager has been replaced with a new and improved one.
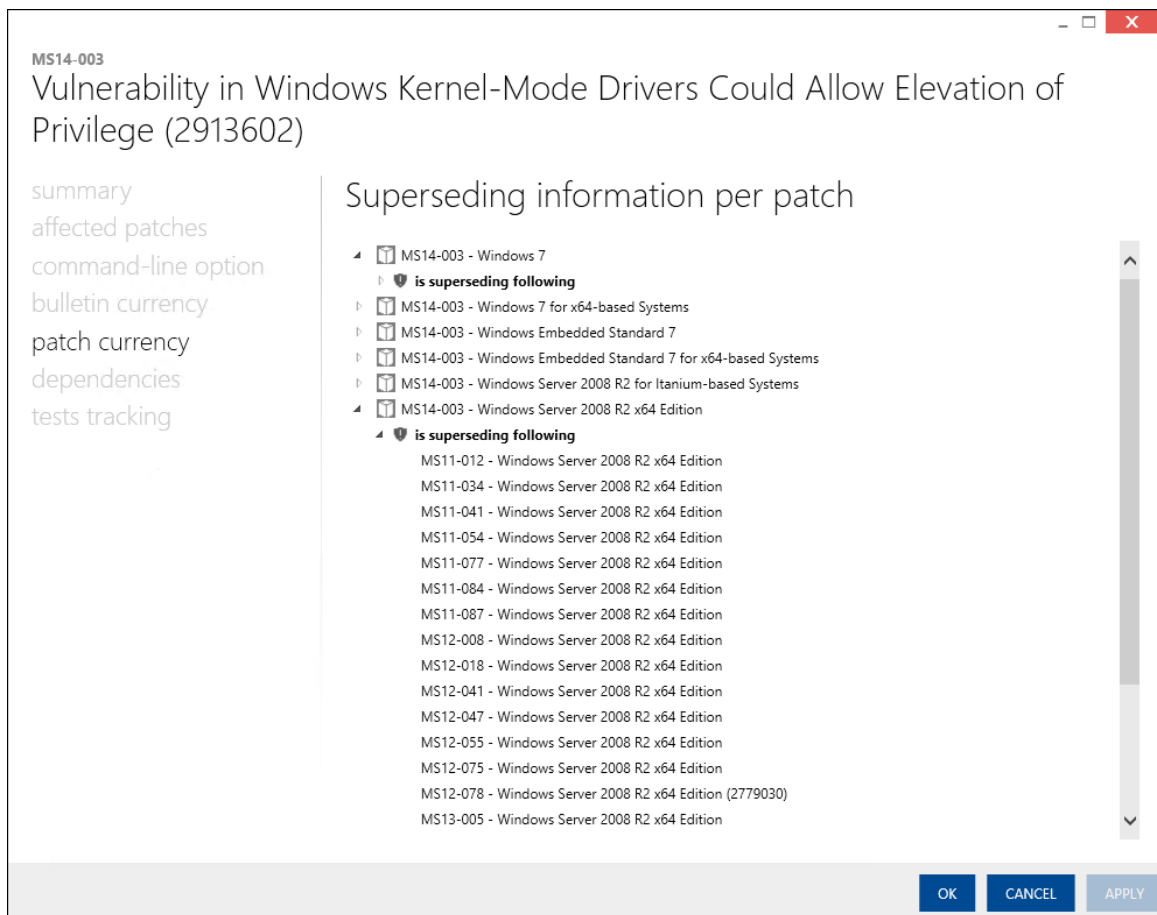
Superseding and Superseded Updates

Microsoft from time to time releases updates that enhance, fix or improve a previously released or superseded update. Before applying any updates, Microsoft recommends its users to first check if these are complaint to the client on which the update is to be applied.

Any information in regards to Superseding or Superseded is now explicitly (at bulletin and per patch level) available for the users through the **INFO** wizard of RayManageSoft infinity 10.3 Security Manager.

Extended Support for Non-Microsoft Patches

In this version, RayManageSoft infinity Security Manager extends its support to patch additional non-Microsoft software products. With this extension, Security Manager now supports the following non-Microsoft products:

- Java 7

- Adobe Reader 11 MUI

- Adobe Reader 11 AL

- Adobe Reader 10 MUI

- Adobe Reader 10 AL

- Adobe Flash Player A

- Adobe Flash Player P

- VLC

- Adobe Acrobat 11

- Adobe Acrobat 10

Clean Policy

RayManageSoft infinity 10.3 introduces a new feature called, **Clean Policy**, to its Security Patch Manager. When selected, the feature through its **Policy Clean Dialog** provides functionality to clean the selected policy. This feature is relevant in circumstances where security packages in the existing environment have been superseded by newly packed patches of recently released bulletins. In addition, to remove the superseded packages, the superseding security patch should be within the chosen policy.

Bulletin Cleanup

In this version of the RayManageSoft infinity Security Manager, a new feature is introduced that provides its users ability to clean (remove affected patches from various locations) bulletins. The feature is available to its users through the functional option **Clean** in the context menu and the **Clean** button, which becomes available in the right sidebar when a bulletin is selected.

When the clean button is selected it will take the user into the Removal Wizard where there is an option screen with several choices for removal of security patches that belong to the bulletin. The three removal options use a slide bar function that allows the user to remove software from the library, from all distribution servers (recommended), and/or from all policies.

Resolved Issues

Running Patch Automation Task

Due to a previous issue, users needed to login to be able to start the patch automation task. This issue has been resolved in this release and users cannot run the patch automation task under the system account.

Patch Download by Severity

As the patch automation rule, users can create a rule/condition to check and download the patches based on their severity. Previously, the patch automation would download all the patches irrespective of the severity selected. This issue has been fixed in this release of RayManageSoft infinity.

Filtering of Bulletins Library

An issue relating to the user interface of Bulletins library, which hindered the user's ability to filter bulletins, has been fixed in this release.

Patches Library Summary Diagram

Overview section of the Security snap-in provides users with the summarized information (represented as chart) pertaining to the status of patches in the bulletins library. Because of an interface issue, the representation of information in the chart was incorrect. The issue is fixed in this release of RayManageSoft 10.3.

System Requirements

This section describes the compatibility of RayManageSoft 10.3 *infinity* products. When installing any components of RayManageSoft on the same server, the version of that component must also be 10.3 *infinity*.

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: 2GB

- Recommended RAM: 4GB or higher

- Minimum disk space: 1GB

Reports Servers

- Minimum RAM: 2GB

- Recommended RAM: 4GB or higher

- Minimum disk space: 1GB

Data Servers

- Minimum RAM: 2GB

- Recommended RAM: 4GB or higher

- Minimum disk space: 1GB

  o Additional 40GB for systems including OS Deployment Manager

  o Additional 30 GB for systems including Security Manager

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Site Servers

- Minimum RAM: 1GB

- Recommended RAM: 2GB or higher

- Minimum disk space: 100MB

Remote Console

- Minimum RAM: 1GB

- Recommended RAM: 2GB or higher

- Minimum disk space: 700MB

Distribution Servers

- Minimum RAM: 1GB

- Recommended RAM: 2GB or higher

- Minimum disk space: 1GB

  o Additional 20GB for systems including OS Deployment Manager

  o Additional 30 GB for systems including Security Manager

Managed Devices

- Minimum RAM: 512MB

- Recommended RAM: 1GB or higher

- Minimum disk space: 300MB

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Prerequisite software

The table below describes the supported operating systems and software prerequisites of RayManageSoft 10.3 *infinity* at the time of release.

Component	Operating System	Prerequisite Software
Core Server	• Windows 2012 R2 Server • Windows 2012 Server • Windows 2008 R2 Server[2] • Windows 2008 Server SP1-SP2 • Windows 2008 Server x64 SP1-SP2[2] • Windows 2003 R2 Server • Windows 2003 R2 Server x64[2] • Windows 2003 Server SP2 • Windows 2003 Server x64 SP2[2]	• .NET Framework 4.0 • Jre-7u45-windows-i586 x86 • Internet Explorer 7.0 to 10.0 • Microsoft Internet Information Services 6.0 to 8.0 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 • Microsoft Windows Deployment Services (WDS - required only if you intend to use PXE support) • Microsoft Sysprep • Symantec Ghost Corporate Edition 7.5 or 8.0 Ghost Server (required only if Symantec Ghost is to be used for imaging) • Microsoft Excel 2000 or later (required only for asset discovery import from Excel)
Remote Console	• Windows 2012 R2 Server • Windows 2012 Server • Windows 2008 R2 Server • Windows 2008 Server SP1-SP2 • Windows 2008 Server x64 SP1-SP2 • Windows 2003 R2 Server • Windows 2003 R2 Server x64 • Windows 2003 Server SP2 • Windows 2003 Server x64 SP2 • Windows 8.1 • Windows 8	• .NET Framework 4.0 • Internet Explorer 7.0 to 10.0

	• Windows 8 x64	
	• Windows 7	
	• Windows 7 x64	
	• Windows Vista	
	• Windows Vista x64	
	• Windows XP Professional	
	• Windows XP Professional x64	
Data Server	• Windows 2012 R2 Server • Windows 2012 Server • Windows 2008 R2 Server • Windows 2008 Server SP1-SP2 • Windows 2008 Server x64 SP1-SP2 • Windows 2003 R2 Server • Windows 2003 R2 Server x64 • Windows 2003 Server SP2 • Windows 2003 Server x64 SP2	• SQL Server 2005 SP2 to SP4 with Reporting Services[1] • SQL Server 2008 with Reporting Services • SQL Server 2008 SP1 with Reporting Services • SQL Server 2008 R2 with Reporting Services • SQL Server 2012 with Reporting Services • SQL Server Tools and Workstation Components 2005, SQL Server 2008, SQL Server 2012 Features: Client Tools Connectivity, Management Tools • .NET Framework 4.0
Reports Server	• Windows 2012 R2 Server • Windows 2012 Server1 • Windows 2008 R2 Server1 • Windows 2008 Server SP1-SP2 • Windows 2008 Server x64 SP1-SP21 • Windows 2003 R2 Server • Windows 2003 R2 Server x641 • Windows 2003 Server SP2 • Windows 2003 Server x64 SP21	• .NET Framework 4.0 • Internet Explorer 7.0 to 10.0 • Reporting Services (same release as the database) • Internet Information Services 6.0 to 8.0
Site Server (OS Deployment Manager only)	• Windows 2012 R2 Server • Windows 2012 Server • Windows 2008 R2 Server • Windows 2008 Server SP1-SP2 • Windows 2008 Server x64 SP1-SP2 • Windows 2003 R2 Server • Windows 2003 R2 Server x64	• 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 • Microsoft Windows Deployment Services (WDS required only if you intend to use PXE support)

	• Windows 2003 Server SP2 • Windows 2003 Server x64 SP2 Supported, but not recommended: • Windows 8.1 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64 • Windows Vista • Windows Vista x64 • Windows XP Professional • Windows XP Professional x64	• Symantec Ghost Corporate Edition 7.5 or 8.0 Ghost Server (required only if Symantec Ghost is to be used for imaging[3]) • Internet Explorer 7.0 to 10.0
Managed Device	• Windows 2012 Server • Windows 2008 R2 Server Core • Windows 2008 R2 Server • Windows 2008 Server Core • Windows 2008 Server • Windows 2008 Server Core x64 • Windows 2008 Server x64 • Windows 2003 R2 Server • Windows 2003 R2 Server x64 • Windows 2003 Server SP2 • Windows 2003 Server x64 SP2 • Windows 8.1 • 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	• Internet Explorer 7.0 to 10.0 (Windows platforms only) • Java SE Runtime Environment (build 1.6.0) (Mac OS X 10.7 only)

	For Deployment Manager: • RedHat Linux 8 and 9 • RedHat Enterprise Linux 3, 4, 5, 6, 6.1 • CentOS 4, 5, 6 • Fedora 6 - 11 • 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 10.3, 10.4, 10.5, 10.6, 10.7 • AIX 5.2, 5.3, 6.1, 7.1 • HP-UX 11.00, 11i, 11i v2, 11i v3	
Packaging Server	• Windows 2012 R2 Server • Windows 2012 Server • Windows 2008 R2 Server • Windows 2008 Server • Windows 2008 Server x64 • Windows 2003 R2 Server • Windows 2003 R2 Server x64 • Windows 2003 Server SP2 • Windows 2003 Server x64 SP2 Supported, but not recommended: • Windows 8.1 • Windows 8 • Windows 8 x64 • Windows 7 • Windows 7 x64 • Windows Vista • Windows Vista x64 • Windows XP Professional • Windows XP Professional x64	• .NET Framework 4.0 • Internet Explorer 7.0 to 10.0
Snapshot Wizard	• Windows 2012 R2 Server • Windows 2012 Server	

	• Windows 2008 R2 Server	
	• Windows 2008 Server	
	• Windows 2008 Server x64	
	• Windows 2003 R2 Server	
	• Windows 2003 R2 Server x64	
	• Windows 2003 Server SP2	
	• Windows 2003 Server x64 SP2	
	• Windows 8.1	
	• Windows 8	
	• Windows 8 x64	
	• Windows 7	
	• Windows 7 x64	
	• Windows Vista	
	• Windows Vista x64	
	• Windows XP Professional	
	• Windows XP Professional x64	
Distribution Server	• Windows 2012 R2 Server	• .NET Framework 4.0
	• Windows 2012 Server	• Jre-7u45-windows-i586 x86
	• Windows 2008 R2 Server Core	• Internet Explorer 7.0 to 10.0
	• Windows 2008 R2 Server	
	• Windows 2008 Server Core	
	• Windows 2008 Server	
	• Windows 2008 Server Core x64	
	• Windows 2008 Server x64	
	• Windows 2003 R2 Server	
	• Windows 2003 R2 Server x64	
	• Windows 2003 Server SP2	
	• Windows 2003 Server x64 SP2	
	Supported, but not recommended:	
	• Windows 8.1	
	• Windows 8	
	• Windows 8 x64	
	• Windows 7	
	• Windows 7 x64	

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• Windows Vista • Windows Vista x64 • Windows XP Professional • Windows XP Professional x64	

[1] Please be advised that due to its end of life cycle, we are only able to offer limited support for issues pertaining to Microsoft SQL Server 2005 and its relationship with RayManageSoft infinity 10.3.
[2] Requires IIS to run in 32 bit mode
[3] Please be aware of the fact that there are no intentions to provide ongoing support for later versions of Symantec Ghost.

Compatibility

This section describes the compatibility of RayManageSoft 10.3 $infinity$ products. If installing any components of RayManageSoft on the same server, the version of that component must also be 10.3 $infinity$.

Compatible components

Versions of distribution servers and managed devices that can be managed by Deployment Manager 10.3 $infinity$:

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 Manager for managed devices (HP-UX)	10.x

Versions of distribution servers and managed devices that can be managed by OS Deployment Manager 10.3 $infinity$ and Security Manager 10.3 $infinity$:

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 10.2 infinity; therefore that upgrade path is the regarded as the RMS standard upgrade procedure. To upgrade from releases earlier than 10.2 $infinity$, please consult a Raynet support representative.

Please note that the system requirements and software prerequisites have changed during the last releases. It is imperative to meet the system requirements during each step of the migration process to ensure a stable system status at all times.

Additional Information

Visit *www.raymanagesoft.com* for further information on RayManageSoft, and explore at the additional resources available at the Knowledge Base: *http://knowledgebase.raymanagesoft.com*.

Raynet is looking forward to receiving feedback from your RayManageSoft experience. Please contact your Raynet service partner or write an e-mail to *support@raynet.de* to add your ideas or requirements to the RayManageSoft development roadmap.

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