raynet

// Release Notes

RayVentory Scan Engine 12.6

RAYVENTORY®

Discover to Manage

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Release Notes for release 12.6

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Introduction

RayVentory Scan Engine provides a complete set of products for operating system inventory, as well as Oracle database, VMware vSphere / ESX, Hyper-V and SNMP inventory. The data can be processed, visualized, and analyzed with DataHub component, and additionally enriched with help of the Catalog services. The Server component ensures, that complex architectures can be effectively scanned, using our "decentralized scanning" concept.

This software set includes components which have the following core functions:

- RayVentory Scan Engine
- RayVentory Server
- RayVentory Data Hub
- RayVentory Catalog

With the intelligence and many automation possibilities, creating documentation has never been so easy and fast.

This new release 12.6 is a major service upgrade to the previous release. It contains several new features, major product improvements and resolved issues.

What's New?

Support for TCPS in ORATRACK `RVP-2109` `RVP-2116` `ZEN-23225`

We are pleased to announce that our latest release introduces support for TCPS (Transport Layer Security over TCP) connections when conducting Oracle scans. This enhancement ensures a secure and encrypted communication channel, bolstering the integrity and confidentiality of your Oracle database scans, and further enhancing the robustness of our scanning capabilities.

This modification is accessible exclusively to standalone Oratrack users and is not applicable to the Scan Engine.

More flexibility in file scans and symbolic links (UNIX Zero-Touch) `RVP-2032` `ZEN-20242`

Two new parameters, `RIUFollowSymbolicLinks` and `RIUSearchStartPathNotRoot` have been incorporated into the configuration file for Zero-Touch UNIX scans. These parameters provide users with precise control over the handling of symbolic links. Please note that using the `RIUSearchStartPathNotRoot` parameter is supported only when at least one included directory is configured; otherwise, the scan will default to the root directory.

Enhanced logic of scheduled uploads `RVP-2102` `ZEN-24161` `ZEN-23470`

We enhanced the logic and end-user reporting for different states within scheduled uploads. In previous versions, the result was either a success (OK) or a failure (error). In this version, the upload outcome can fall into one of the following categories:

- **OK**: All files were updated successfully.
- **Failed**: The operation failed, and no upload was possible.
- **Skipped**: The operation was skipped because another operation is in progress.
- **Partial**: There were at least two files to upload, with at least one succeeding and at least one failing.
- **Error**: The operation failed due to external or unexpected reasons.

Online browser-based product documentation `RVP-2108`

Offline documentation in CHM format has been phased out in favor of a web-based online documentation system. You can access the documentation either directly from within the product or by following this link: https://docs.raynet.de/rayventory/scan-engine/latest/user-guide/

BIOS release date is now scanned and displayed in the UI `RVP-2105` `ZEN-23999`

Our latest update enables the querying of BIOS release dates for supporting systems, displaying this vital technical information in the user interface for enhanced system management and monitoring.

Other Improvements and Changes

- Scanner hypervisors have been added to the devices and duplicates will now be removed automatically. `RVS-117` `ZEN-15089`

- **INVENTORY AGENT:** Scheduled log-on and log-off actions for Horizon are now deactivated by default. Users can reactivate these actions by modifying the configuration file and uncommenting the relevant sections as needed. `RVP-2079`

- Starting from this version, the inventory scan no longer reports the Ubuntu hostId as a fallback value in case other methods fail. Additional details regarding this adjustment can be found in this article. `RVP-2098` `ZEN-24026`

- In situations where the `tnsnames.ora` file contains malformed content, the system will now generate a warning rather than raising an error. This modification has been implemented to reduce the number of false positives associated with files that serve as stubs or examples and do not conform to the file's specification. `RVP-1626` `ZEN-17838`

- **ORATRACK:** Introduced a new command-line parameter, `ignoreOraDBCertificateErrors=true` which empowers users to explicitly bypass server certificate validation. `RVP-2113`

- We've made significant improvements to the device updating process, particularly when scanning multiple devices with large databases simultaneously. This ensures data consistency and offers a better user experience. `RVP-2065` `12.5 UPDATE 2`

- RayVentory agent now supports time zones for schedule calculations, enabling more accurate and convenient scheduling options for users. `RVP-2052` `12.5 UPDATE 2`

- **INVENTORY AGENT**: A fallback method which is used if `netstat` is not available to directly retrieve the default gateway information for each known and used network adapter has been implemented. `RVP-1823` `12.5 UPDATE 1`

- The `Win32_Process` class and multiple default properties have been added to the default `wmitrack.ini`. `RVP-2017` `RVP-2018` `ZEN-20886` `12.5 UPDATE 1`

- Improved performance of non-Windows zero touch scans, achieved by optimized behavior of process scanning. `RVP-1880` `12.5 UPDATE 1`

- The logging for the RIW file scan when configured in the custom configuration file has been improved. `RVP-1991` `ZEN-20399` `12.5 UPDATE 1`

- New functionality that removes old inventory files associated to a device once a new inventory comes via any inventory method has been implemented. `RVP-2020` `ZEN-20898` `12.5 UPDATE 1`

- It is now possible to get database names and table names for Microsoft SQL databases. `RVP-2033` `ZEN-19195` `12.5 UPDATE 1`

- Various minor updates of the French translation. `RVP-2055`

Security Improvements

- The bundled component curl for Windows was updated to version 8.0.1. This update ensures that the RayVentory Agent performs optimally and is compatible with the latest features and security enhancements. `RVP-2039` `ZEN-23032` `12.5 UPDATE 3`

- In this build, all OSS libraries which were previously not signed are now digitally signed. `RR-3257` `RR-3448` `ZEN-19870` `RVP-2073` `12.5 UPDATE 2`

- Fixed a security issue “Unquoted Service Path Enumeration”, where the path to the HTTP upload service executable was saved without enclosing it in quotes. `RVP-1980`

Resolved Issues

The following issues have been resolved in RayVentory Scan Engine in 12.6.

- **NDTRACK** Resolved an issue in which the content of the file /proc/net/route would inadvertently print to the console on Linux systems, specifically when the net-tools package was not installed. `RVP-2045`

- Resolved an issue concerning the behavior of the upload method when running parallel inventory scans. Previously, a race condition existed where certain inventory results could potentially be uploaded and subsequently removed prior to processing and proper linkage to the respective devices. This rare occurrence could result in situations where a device was successfully scanned but presented no corresponding inventory data. `RVP-1362` `ZEN-16164` `ZEN-15726`

- Resolved an issue where the elevation password was erroneously designated as a mandatory field during the creation of new user credentials. In this latest version, users have the option to leave this field empty if necessary. `RVP-1801` `ZEN-18976`

- We have addressed an inconsistency in the wording of the help documentation for HTTP server credentials. The updated UI text now provides clear and comprehensive information, highlighting any associated dependencies and potential required actions, ensuring a more intuitive and informed user experience. `RVP-1193`

- Fixed sample IP range examples displayed in the Discovery Wizard. `RVP-1743`

- Fixed incorrect look-up path for SNMP scan contrib files. `RVP-1036` `ZEN-14881` `ZEN-23416`

- Addressed the logic governing the determination of the logging path, resolving an issue that arose when using reserved characters in the schedule name. `RVP-2053`

- Corrected an issue in the Credentials wizard where enabling or disabling credentials did not appropriately impact the state of the OK and Apply buttons. `RVP-2059` `ZEN-22364`

- Resolved an issue with the Inventory Agent Session Usage Tracker, which was exhibiting incorrect behavior in certain edge cases, occasionally leading to inaccurate data filling. `RVP-2062`

- Fixed an issue where the values of "`IdentifyingNumber`" from the "`MGS_ComputerSystemProduct`" class could be truncated. `RVP-2100` `ZEN-24026`

- Addressed an internal database handling issue to prevent problems with special characters imported from the Active Discovery Discovery operation, ensuring the integrity of the database model remains intact and resilient. `RVP-2087` `ZEN-22784`

- Resolved an issue related to the inaccurate counting of MMI files to upload, ensuring that the upload process now correctly tracks and handles these files. `RVP-2092` `ZEN-23465`

- Rectified a regression issue that was introduced in version 12.5, which had the potential to disrupt the behavior of scheduled uploads. This fix restores the expected functionality and stability to the scheduled upload process. `RVP-2093` `ZEN-23470` `ZEN-` `ZEN-24161`

- Fixed possible issues with the Activation Tool not opening. `RVP-2111`

Migrating from previous versions

Migrating from Scan Engine versions 12.2.2784 and newer

Perform upgrade using standard MSI installation (both RayVentory Scan Engine and Inventory Agent must be updated separately).

Migrating from Scan Engine versions 12.2.2783 and lower

1. Perform upgrade using standard MSI installation (both RayVentory Scan Engine and Inventory Agent must be updated separately).
2. Stop the RayVentory Scan Engine Scheduler service
   a. Make sure to close the app and all its processes.
   b. Using any text editor, open the file `C:\ProgramData\Raynet\RayVentoryPortal\Config\schedule.xml`.
   c. Replace all occurrences of `<HostAndIpOperatorAnd>true</HostAndIpOperatorAnd>` with `<HostAndIpOperatorAnd>false</HostAndIpOperatorAnd>`
   d. Start the RayVentory Scan Engine Scheduler service again

Prerequisites

Hardware Requirements

This section lists the minimal hardware requirements for devices running RayVentory Scan Engine.

Minimal

- Screen resolution: 1024 x 768 pixels
- Color settings: 16 bit
- RAM: 2GB
- Disk space: 100MB

Recommended

- Screen resolution: 1280 x 1024 pixels
- Color settings: 32 bit
- RAM: 4GB or higher
- Disk space: 1GB or more

Note:
The installation of the RayVentory Scan Engine framework itself requires about 400MB of disk space. The amount of additional space needed depends on the size and number of incoming inventory results.

Software Requirements

General Prerequisites

The following operating systems are supported for the installation and running of RayVentory Scan Engine at the time of release.

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10
- Windows 11
- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2016
- Windows Server 2019
- Windows Server 2022

Required Software

- .NET Framework 4.7.2
- Visual C++ Redistributable for Visual Studio 2015-2022

Operating System Inventory

The following tables show all supported hardware and system configurations. Other operating system versions and configurations not listed in the tables below are not supported. Raynet reserves the right to drop unsupported operating system versions in accordance with the corresponding policy of their publishers.

Windows (client)

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
Windows XP !	x86	✓*	✓	⛔
	x86-64	✓*	✓	⛔
Windows Vista !	x86	✓*	✓	⛔
	x86-64	✓*	✓	⛔
Windows 7 !	x86	✓*	✓	✓*
	x86-64	✓*	✓	✓*
Windows 8 !	x86	✓*	✓	✓*
	x86-64	✓*	✓	✓*
Windows 8.1 !	x86	✓*	✓	✓*
	x86-64	✓*	✓	✓*
Windows 10	x86	✓*	✓	✓*
	x86-64	✓*	✓	✓*
	ARM64	✓*	✓	✓*
Windows 11	x86	✓*	✓	✓*
	x86-64	✓*	✓	✓*

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
	ARM64	✓*	✓	✓*

* - requires Microsoft Visual C++ Redistributable for Visual Studio 2015-2022
! - the system is not supported by Microsoft anymore

Windows Server

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
2003 !	x86	✓*	✓*	⛔
	x86-64	✓*	✓*	⛔
2003 R2 !	x86	✓*	✓*	⛔
	x86-64	✓*	✓*	⛔
2008 !	x86	✓*	✓*	✓*
	x86-64	✓*	✓*	✓*
2008 R2 !	x86-64	✓*	✓*	✓*
2012	x86-64	✓*	✓*	✓*
2012 R2	x86-64	✓*	✓*	✓*
2016	x86-64	✓*	✓*	✓*
2019	x86-64	✓*	✓*	✓*
2022	x86-64	✓*	✓*	✓*

* - requires Microsoft Visual C++ Redistributable for Visual Studio 2015-2022
! - the system is not supported by Microsoft anymore

RedHat Enterprise Linux (RHEL)

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
6 !	x86	✓*	✓*	✓**
	x86-64	✓*	✓*	✓**
	PPC64	⛔	✓*	⛔
	PPC64le	⛔	✓*	⛔
7	x86	✓*	✓*	✓**
	x86-64	✓*	✓*	✓**
	PPC64	✓*	✓*	⛔
	PPC64le	⛔	✓*	⛔
	ARM64	⛔	✓*	⛔
8	x86	✓*	✓*	✓**
	x86-64	✓*	✓*	✓**
	PPC64	✓*	✓*	⛔
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by RedHat anymore

SUSE Professional / Open SUSE

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
11 !	x86	✓*	✓*	✓**
	x86-64	✓*	✓*	✓**
	PPC64	✓*	✓*	⛔
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔
12 !	x86-64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
15	x86-64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by SUSE anymore

SUSE Enterprise Server (SLES)

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
11 !	x86	✓*	✓*	✓**
	x86-64	✓*	✓*	✓**
	PPC64	✓*	✓*	⛔
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔
12	x86-64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
15	x86-64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by SUSE anymore

CentOS

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
6 !	x86	✓*	✓*	✓**
	x86-64	✓*	✓*	✓**
7	x86-x64	✓*	✓*	✓**
	PPC64	✓*	✓*	⛔
	PPC64le	⛔	✓*	⛔
	ARM64	⛔	✓*	⛔
8 !	x86-x64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by the CentOS Project anymore

Debian

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
8 !	x86	✓*	✓*	✓**
	x86-64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔
9 !	x86-x64	✓*	✓*	✓**
	PPC64	✓*	✓*	⛔
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔
10	x86-x64	✓*	✓*	✓**
	PPC64	✓*	✓*	⛔
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔
11	x86-x64	✓*	✓*	✓**
	PPC64	✓*	✓*	⛔
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	✓**

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by Debian anymore

Ubuntu

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
14.04 !	x86	✓*	✓*	✓**
	x86-x64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
16.04 !	x86	✓*	✓*	✓**
	x86-x64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
18.04	x86	✓*	✓*	✓**
	x86-x64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
20.04	x86-x64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔
21.10	x86-x64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔
	ARM64	⛔	✓*	⛔
22.04	x86-x64	✓*	✓*	✓**
	PPC64le	✓*	✓*	⛔

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
	ARM64	⛔	✅*	⛔

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by Canonical anymore

Fedora

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
21 !	x86	✅*	✅*	✅**
	x86-x64	✅*	✅*	✅**
	ARM64	⛔	✅*	⛔
22 !	x86	✅*	✅*	✅**
	x86-x64	✅*	✅*	✅**
	ARM64	⛔	✅*	⛔
23 !	x86	✅*	✅*	✅**
	x86-x64	✅*	✅*	✅**
	ARM64	⛔	✅*	⛔
24 !	x86	✅*	✅*	✅**
	x86-x64	✅*	✅*	✅**
	ARM64	⛔	✅*	⛔
25 !	x86	✅*	✅*	✅**

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
26 !	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
27 !	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
28 !	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
29 !	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
30 !	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
31 !	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
32 !	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
33 !	x86-x64	✓*	✓*	✓**
	ARM64	⛔	✓*	⛔
34 !	x86-x64	✓*	✓*	✓**

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
	ARM64	⛔	✅*	⛔
35	x86-x64	✅*	✅*	✅**
	ARM64	⛔	✅*	⛔
36	x86-x64	✅*	✅*	✅**
	ARM64	⛔	✅*	⛔

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by the Fedora Project anymore

macOS

macOS

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
10.12 !	x86-x64	✓*	✓*	✓**
10.13 !	x86-x64	✓*	✓*	✓**
10.14 !	x86-x64	✓*	✓*	✓**
10.15	x86-x64	✓*	✓*	✓**
11	x86-x64	✓*	✓*	✓**
	ARM64 (Rosetta 2) M1	✓*	✓*	✓**
12	x86-x64	✓*	✓*	✓**
	ARM64 (Rosetta 2) M1	✓*	✓*	✓**

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by Apple anymore

Solaris

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
10	SPARC	✓*	✓*	✓**
	x86-x64	✓*	✓*	✓**
11	SPARC	✓*	✓*	✓**
	x86-x64	✓*	✓*	✓**

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19

AIX

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
6.1 !	PPC64	✓*	✓*	✓**
7.1	PPC64	✓*	✓*	✓**
7.2	PPC64	✓*	✓*	✓**
7.3	PPC64	✓*	✓*	✓**

* - requires `sudo`
** - requires `sudo` and `curl` >= 7.19
! - the system is not supported by IBM anymore

HP-UX

Version	Architecture	Portable / standalone / remote-execution	Zero-Touch (using WMI)	Inventory Agent (RVIA)
11i !	PARISC	✓*	✓*	⛔
	Itanium	✓*	✓*	⛔
11i v2	PARISC	✓*	✓*	⛔
	Itanium	✓*	✓*	⛔
11i v3	PARISC	✓*	✓*	⛔
	Itanium	✓*	✓*	⛔

* - requires `sudo`
! - the system is not supported by HP anymore

VMware ESX/ESXi Inventory

The following platforms are supported:

- VMware ESX Server 3.0 and higher
- VMware ESXi Server
- VMware vCenter Server

Oracle Inventory

The following database components are supported:

- Oracle Database 9i
- Oracle Database 10g
- Oracle Database 11g
- Oracle Database 12c
- Oracle Database 18c Enterprise
- Oracle Database 18c Standard
- Oracle Database 19c Enterprise
- Oracle Database 21c Enterprise
- Oracle Database 19c Standard
- Oracle Database 21c Standard
- Oracle Database 18c Standard Edition 2
- Oracle Database 19c Standard Edition 2

Required Software

An installation of Java on the host of the Oracle database is needed. In the following the supported Java versions are listed:

Oracle Java

- Oracle Java 17
- Oracle Java 11
- Oracle Java 8
- Oracle Java 7
- Oracle Java 6
- Sun Java 5
- Sun Java 4

The inventory of Oracle databases using OraTrack uses the Java version that is installed on the hosting machine. In case of remote execution (RVIA) this is the Java Runtime from OracleDB server. In case of Zero-Touch, this would be the Java Runtime from the originating server.

Zero-Touch:
In order to use Oracle Java on the Scan Engine server, it needs to be licensed.
Oracle offers newer Oracle Java versions via Oracle No-Fee Terms and Conditions (NFTC). Please see https://www.oracle.com/downloads/licenses/no-fee-license.html.
Alternatively, Open JDK can be used which is currently licensed via GPLv2+CPE. Please see https://www.oracle.com/de/java/technologies/javase/jdk-faqs.html.

All other methods (Remote Execution, Portable, RVIA):
If a Java SE subscription for Oracle is needed when using OraTrack, depends on the Java version that is installed on the database server. OraTrack does not require a license for Oracle Java for versions as follows:

- Java SE 1.4: all versions up to Update 30 (including Update 30)
- Java SE 5: all versions up to Update 22 (including Update 22)
- Java SE 6: all versions up to Update 45 (including Update 45)
- Java SE 7: all versions up to Update 80 (including Update 80)
- Java SE 8: all versions up to Update 202 (including Update 202)

Due to changes in the Oracle license conditions all newer versions respectively patch levels have to be licensed by the customer.
Oracle offers newer Oracle Java versions via Oracle No-Fee Terms and Conditions (NFTC). Please see https://www.oracle.com/downloads/licenses/no-fee-license.html.
Alternatively, Open JDK can be used which is currently licensed via GPLv2+CPE. Please see https://www.oracle.com/de/java/technologies/javase/jdk-faqs.html.

Microsoft JDK (Open JDK)

- Microsoft JDK 17
- Microsoft JDK 16
- Microsoft JDK 11

Amazon Coretto (Open JDK)

- Amazon Coretto 17
- Amazon Coretto 11
- Amazon Coretto 8

Requirements RVIA

The following table represents the minimum requirements that are necessary for using the RayVentory Scan Engine Inventory Agent.

Operating System	Minimum Version	Architecture	Additional Dependencies
Microsoft Windows	7	x86, x86_64	Visual C++ Redistributable for Visual Studio 2015-

Operating System	Minimum Version	Architecture	Additional Dependencies
			2022
RedHat Enterprise Linux (and compatible distributions)	6	x86, x86_64	sudo, curl >= 7.19
Debian GNU/Linux	8	x86, x86_64	sudo, curl >= 7.19
Ubuntu Linux	14.04	x86, x86_64	sudo, curl >= 7.19
SUSE Linux Enterprise	11	x86, x86_64	sudo, curl >= 7.19
IBM AIX	6.1	ppc64	sudo, curl >= 7.19
Oracle Solaris	10	x86, x86_64	sudo, curl >= 7.19
Apple macOS	10.12	x86_64, arm64	sudo, curl >= 7.19

Dependencies on Linux systems are set as package dependencies. The package management systems on UNIX systems do not offer setting package dependencies, but sudo is still required for first time configuration of RVIA and curl is required for uploading inventories and downloading schedules.

Additional Information

Visit www.raynet.de for further information on RayVentory Scan Engine, and take a look at the additional resources available at the Knowledge Base: http://raynetgmbh.zendesk.com/.

Raynet is looking forward to receiving your feedback from your RayVentory Scan Engine experience. Please contact your Raynet service partner or use our Support Panel to add your ideas or requirements to the RayVentory Scan Engine development roadmap!

WhyRaynet

As a global software vendor with market-leading solutions and complementary managed services, we make successful end-to-end management of IT projects and operations possible.

Following the mission **"Discover to Manage"**, our vision is that all companies worldwide achieve transparency and security as well as optimization of their IT Investments by using our technologles.

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For more Information, call our sales team at **+49 5251 /54009-0** or write to **sales@raynet.de**.