

RayVentory ScanEngine 12.6

12.6.3666.89 [Update 3]

Released on May 29, 2024

New Features and Enhancements

Enhanced Input Validation and Sanitization RVP-2162

- User-controlled values are now validated and sanitized in all cases before being used for further command execution.
- Special attention is given to escape or encode control characters that the operating system might interpret as code.
- The characters to be escaped or encoded can be configured as needed.

To enable validation, perform the following configurations:

Linux/Unix/macOS:

- Added parsing of the configuration property `ForbiddenCur1Chars` in `/etc/rvia_configuration`.

Windows:

- Added parsing of the registry value `ForbiddenCur1Chars` in `HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\ManageSoft Corp\ManageSoft\RVIA`.

Restricted Folder Permissions RVP-2170

- Permission to the `results\inventories\` folder has been restricted to enhance security.

Schedule Execution Fix RVP-2240

- Fixed an issue where no schedules were executed at their described times.
- The problem was traced to `generalMaxTaskDelay` not being set to 0. This has now been corrected.

12.6.3666.86 [Update 2]

Released on Mar 28, 2024

New Feature:

- Introduced support for application usage metering on macOS, enabling comprehensive tracking and analysis of software usage on Mac operating systems. RVP-2107

Enhancements:

- Improved exception handling by hiding call stack (debug information) on release builds for better clarity. RVP-2159
- Enhanced HTTP PUT Upload Endpoint to reject unsupported file types. RVP-2166
- Added functionality to disable command execution on the RVIA agent side for increased control. RVP-2169
- Improved macOS usage reporting by providing process-level details for MMI. RVP-2198

- Fixed Docker Scanner to parse correctly even when semicolons are present in output values. [RVP-2209](#)
- Updated RVIA to use the latest version of curl (8.6.0) for improved performance and security. [RVP-2225](#)
- Corrected portable ndtrack.ini file in Release Build. [RVP-2228](#)
- Resolved the issue preventing inventorying of Docker and K8s installed on the same device. [RVP-2229](#)

Bug Fixes:

- Fixed errors in Inventory Agent VBS plugins. [RVP-2218](#)

Other Improvements:

- Finalized support for EffectiveFrom and EffectiveUntil in AppCenter. [RMSC-2002](#)
- Added certificate inventory to ndtrack on macOS. [RMSC-2217](#)

12.6.3656.84 [Update 1]

Released on [Nov 24, 2023](#)

Support for LPAR scan functionality on Power PC [RVP-2150](#) [ZEN-24375](#)

Both portable scanner and remote execution scanning ([ndtrack](#)) now support LPAR scan functionality on Power PC architecture running Linux. Scanning result in a presence of an extra class [MGS_LPAR_INFO](#) , which is included in the resulting NDI files.

Reworked macOS Agent

On MacOS, we now rely on the libraries and tools available on the target system. Also, thanks to many underlying internal changes, we can support different architectures with the same set of binaries. [RVP-2066](#) [RVP-2003](#)

Extended support for TCPS [RVP-2115](#) [RVP-2126](#)

In this release, we extended the previously introduced support for TCPS (Transport Layer Security over TCP) connections when conducting Oracle scans. Previously available in [oratrack](#) , this feature now is also available from the Scan Engine UI. This enhancement ensures a secure and encrypted communication channel, strengthening the integrity and confidentiality of your Oracle database scans, and further improving the robustness of our scanning capabilities.

Other changes and improvements

- Fixed a issue where the upload operation performed during an inventory scan would remove the [.ndi](#) files after the upload. The cause of the problem was a missing link to the actual device, and this time discrepancy caused problems with parallel runs. [RVP-1362](#) [RVP-2156](#)
[ZEN-15726](#) [ZEN-16164](#) [ZEN-25405](#)
 - Note: It is now also possible to force an upload, even if a scan is running in the background. The corresponding options can be found in the *Upload Location* settings.
- Fixed an issue, where command-line usage with [credentials.file](#) terminated with an [InvalidOperationException](#) error. [RVP-2153](#)
[ZEN-25215](#)
- Improved parsing of complex [.ora](#) files. [RVP-2158](#)

Breaking changes

- The *Credential Store* tab has been removed from the settings. This was just a shortcut to the actual screen located in the Devices view, where the screen can be still accessed from. [RVP-2131](#)
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12.6.3647.81 [RTM]

Released on [Sep 27, 2023](#)

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 changes and improvements

- Improved parallel processing enhances the speed of scanning multiple non-Windows machines with key-file authentication, allowing concurrent scans with file keys for increased efficiency. [RVP-2096](#)

- **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](#) [ZEN-19634](#)
[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

- **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 Directory 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-24161](#)
- Fixed possible issues with the Activation Tool not opening. [RVP-2111](#)