RayVentory ScanEngine 12.6

12.6.3782.113 [Update 7] 🔗

Released on May 14, 2025

Improved LPAR scanner for IBM Power systems RCP-159 🔗

The LPAR scanner has been significantly improved to collect a broader and more detailed set of hardware and virtualization-related properties from IBM Power Systems for a more accurate system identification, capacity planning, and virtualization insight in mixed AIX/Linux on Power environments.

Key additions include:

- Virtualization and Partitioning Details
  - Partition ID, Name, Type, VM ID, and VM Name
  - Entitled Capacity, Virtual CPU Count, Shared Pool IDs
  - Flags indicating capped/shared mode and resource allocation status
  - Node-level and shared pool capacity metrics
- Hardware Identification
  - Manufacturer and Model (Machine Type and System Type)
  - Serial-based identifiers such as `IdentifyingNumber`, `SystemID`, and `HostID` for consistent host recognition
  - BIOS serial derivation for Linux on Power systems

Resolved Issues 🔗

- Resolved compatibility issue in RayVentory Inventory Agent (RVIA) RPM package, preventing NDTRACK from running correctly on systems requiring newer `glibc` versions. RCP-150

12.6.3772.109 [Update 6] 🔗

Released on Mar 12, 2025

Resolved Issues 🔗

- Enhanced NDTRACK to improve data collection for Logical Partitions (LPAR) on Linux systems running on PowerPC 64-bit Little Endian and PowerPC 64-bit Big Endian architectures, providing more comprehensive and accurate inventory data. RCP-157

12.6.3771.107 [Update 5] 🔗

Released on Feb 20, 2025

Improvements 🔗

- Windows schedules are now also running even if the computer is on battery mode. In case of missed schedules, a new run will be started when the planned start is missed. RCP-79
- Support for modern encryption algorithms (ChaCha20 stream cipher combined with Poly1305 for authentication, AES-256 in Galois/Counter Mode (GCM), AES-GCM using AES-128) and Message Authentication Codes algorithms (HMAC using SHA-512 / SHA-256, UMAC 128-bit). RCP-78

Resolved Issues 🔗

- Resolved an issue where RVSE schedules that contain an inventory operation followed by an upload operation only worked if the "Force upload" option was enabled `RREP-66`
- Fixed an issue when show details was not working for some Turkish NDI files `RREP-83`
- Resolved an issue when AIX inventory was not displayed `RREP-147`
- Fixed an issue where Scan Engine could not inventory non-windows machines `RREP-232`
- Fixed an issue where Docker Scanner was not parsing correctly when semicolon is in one of the output values. `RCP-55`

12.6.3761.101 [Update 4] 🔗

Released on `Nov 13, 2024`

Application usage scanning is now available for macOS devices `RVP-2107` `ZEN-26512` 🔗

In this release, we have extended the MacOS agent to monitor running processes and report the elapsed time to the server for further analysis. This new component is feature and format compatible with the Windows implementation (MMI format).

Enhanced scanning capabilities of macOS devices 🔗

In this version, several additional features can be processed by the macOS inventory (Zero-Touch and agent-based scans):

- Certificates `RVP-2217` `RVP-2226` `ZEN-19986`
- External displays `RVP-1931` `ZEN-19986`
- Disk usage `RVP-1930` `ZEN-19986`
- Fonts `RVP-1932` `ZEN-19986`

Performance improvements of Zero-Touch scans `RVP-2219` 🔗

Zero-touch scanning of macOS devices is now performing much faster due to internal optimizations.

Security improvements 🔗

- Unsupported files can now be rejected by the HTTP PUT Upload Endpoint. The setting is enabled by default. `RVP-2166`
- Error messages returned by the HTTP server are now less verbose, preventing potentially sensitive data from being exposed. `RVP-2159`
- Zero-touch non-Windows file scanner can now be configured to use a different command syntax, avoiding all calls using `-exec` parameter in favor of piped `ls` command. This setting enables file scan to run on machines, where due to security policies, the parameter `-exec` is disabled. `RVP-2265` `ZEN-26550`

Other improvements 🔗

- Various minor improvements of the macOS agent package, for example adding of schedule and config generation to the post-install routine, improvements of `Info.plist` format and optimization of package scripts. The binary agent executable also received extra attributes (`bundle.id` and `version`). `RVP-2262` `RVP-2254`
- Added support for `MGS_LogicalDisk` class in `ndtrack.sh`. There is now a functional parity between zero-touch and remote execution equivalents. `RVP-2231` `ZEN-26933`
- Added the ability to filter target devices by custom properties. `RVP-1312` `ZEN-15936` `ZEN-15937`
- Sample RVIA configuration files for various operating systems are now available after the installation. `RVP-2192`

Resolved issues 🔗

- Resolved minor typography issues. `RVP-2280`
- Resolved ping sweep discovery failing due to exception. `RVP-2271`
- Corrected `MGS_DiskDrive` size value displaying commas in Linux. `RVP-2266`
- Fixed targets defined by filter where "Last inventory status" was not working for "failed" status. `RVP-2264`
- Fixed inventory issue for Docker and K8s installed on the same device. `RVP-2229`
- Fixed portable `ndtrack.ini` file in the release build. `RVP-2228`
- Corrected error in Inventory Agent VBS plugins. `RVP-2218`
- Fixed issue where targets defined by expression were not functioning properly. `RVP-2214`
- Resolved scheduler service sporadically hanging on startup. `RVP-2212`
- Fixed issue where folders were not being created if missing for reporting and temp files. `RVP-2210`
- Fixed Docker scanner parsing issues when semicolons were present in output values. `RVP-2209`
- Fixed clipped content issue on smaller window sizes in Settings > Inventory > Zero Touch > Oracle. `RVP-2182`
- Resolved issue with Ora file import failing due to ASN1Parser not processing quotation marks. `RVP-2158`
- Fixed issue where expired zero-touch passwords allowed scanner to continue running. `RVP-2155`
- Resolved non-Windows Zero-Touch command-line execution failure when using the `credentials.file` argument. `RVP-2153`
- Corrected typo in upload result message. `RVP-2143`
- Fixed the issue with no Docker information after Zero-Touch scan on macOS devices. `RVP-2138`
- Credential Store button was removed from the Settings screen. `RVP-2131`
- Fixed issue where inventories created on macOS systems based on Apple Silicon did not detect applications using the arm64 architecture. `RVP-1746`
- Resolved issue with Scan Engine removing property evidence on HTTP receive. `RVP-1588`
- Fixed "Ignore server certificate errors" functionality. `RVP-1506`
- Fixed Windows Zero-Touch connection test functionality. `RVP-1503`

12.6.3666.89 [Update 3] 🔗

Released on Jun 7, 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:

- Configuration property `ForbiddenCurlChars` in `/etc/rvia_configuration`.

Windows:

- Registry value `ForbiddenCurlChars` in `HKEY_LOCAL_MACHINE\SOFTWARE\WOW6432Node\ManageSoft Corp\ManageSoft\RVIA`.

Security issues 🔗

- Permission to the `results\Inventories\` folder has been restricted to enhance security. `RVP-2170`

Resolved issues 🔗

- 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. `RVP-2240`

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`

Other improvements 🔗

- 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`

Resolved issues: 🔗

- Fixed errors in Inventory Agent VBS plugins. `RVP-2218`

Other Improvements: 🔗

- 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`

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.

> ℹ️ 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`