

RayVentory Data Hub 12.5

12.5.5136.79 [Update 02]

Released on 09 Mar 2023

Feature Update of Cloud Connectors **RR-3587**

This version adds and improves many cloud connectors (internal version 2022.4.1). The following changes are included:

- Added the parameter `account_list` in the `aws.ec2` and `aws.rds` connectors. **KOT-126**
- In the connectors `aws.ec2`, `aws.rds` and `aws.s3`, AWS China is now available. **KOT-110**
- JAMF Pro can now report the application usage and extension attributes. Additionally, the description and the in-app help texts have been updated. **KOT-176** **KOT-204** **KOT-171**
- The `microsoft.azure.computeinventory` connector can now fetch data from multiple workspaces. **KOT-124**
- It is possible to ignore certificate errors in the `nutanix` connector. **KOT-162**
- The `kubernetes` connector now reports information about worker or master node. **KOT-202**
- The `microsoft.azure.compute` connector now reports dedicated hosts and host groups in the `virtual_machines` table. **KOT-177**
- The performance of the Microsoft Azure Computer connector has been improved. **KOT-188** **KOT-193** **KOT-200** **205**
- Various improvements in the Microsoft Office 365, Microsoft Azure AQL, and Microsoft Intune connectors. **KOT-169** **KOT-150** **KOT-178**
- Updated the connector description of the `qualys` connector. **KOT-187**
- The `SAP.BTP` connector now reports month and year for the usage data. **KOT-215**
- Various improvements of the schema and descriptions of fields in the `servicenow.licensedata` and `servicenow.table` connectors. **KOT-180** **KOT-175**

New Metadata Fields for Tasks **RR-3459** **RR-3460** **ZEN-20947**

Tasks now have two extra fields, that contain a textual description and the user who is the owner of the transformation.

Edit task [Close]

General Configuration Connection Agent settings Schedule Info

NAME *
Inventory device

DESCRIPTION
This is a task to collect data about the devices that RayVentory has inventoried.

OWNER
John Smith

Significant Performance Improvements of Transformations and SQL-Server Operations **RR-3618** **RR-3600**

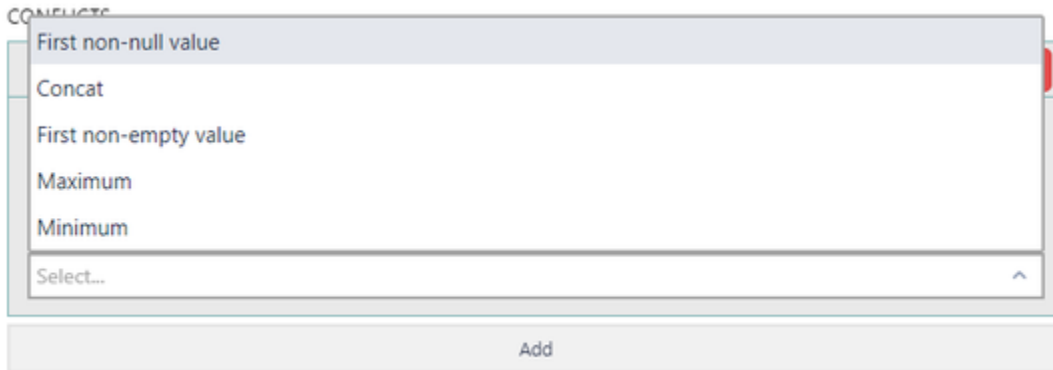
DATA TRANSFORMATION In this build we vastly improved the performance of the SQL-Server reader/writer and transformation components. With plenty of backend changes, RayVentory Data Hub can now achieve much better throughput, faster execution times, and less CPU and RAM usage.

Generic changes in the SQL-Server related logic positively impact the transformation (both server- and agent-based) but also generic operations on the tenant database. As a result, inserting of data is much faster when using SQL-Server database driver.

New Transformation Type - Aggregation “First Not Empty” **RR-3557** **ZEN-20984**

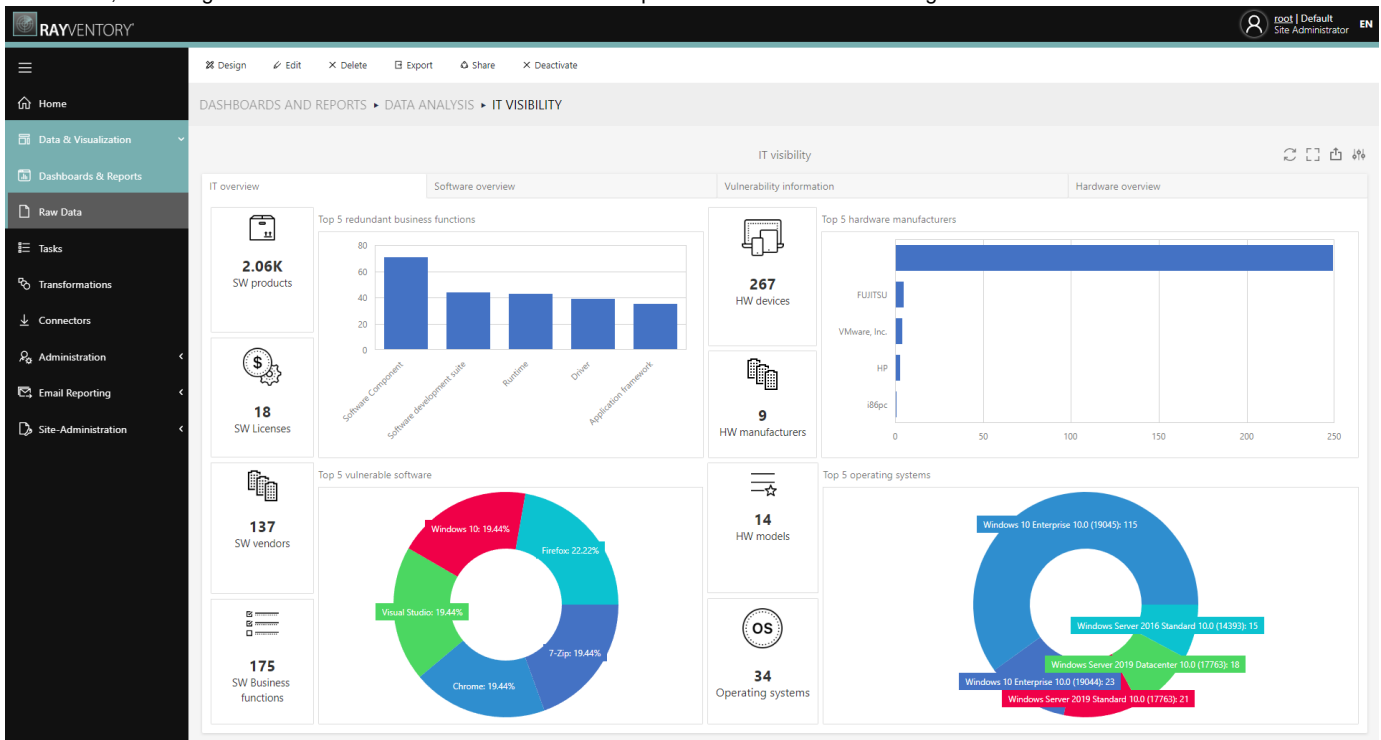
DATA TRANSFORMATION In previous versions, there were several ways of aggregating the data, one of them being “first not null” also known as “coalesce”. This mode ensured, that the first value not being NULL is taken. Based on the feedback, we introduced another, similar mode, called “first not empty”. In this mode, whitespace-only strings are also ignored, so that a chain of values NULL , <empty-string>, "A" gives the following results:

- First not null: <empty-string>
- First not empty: A



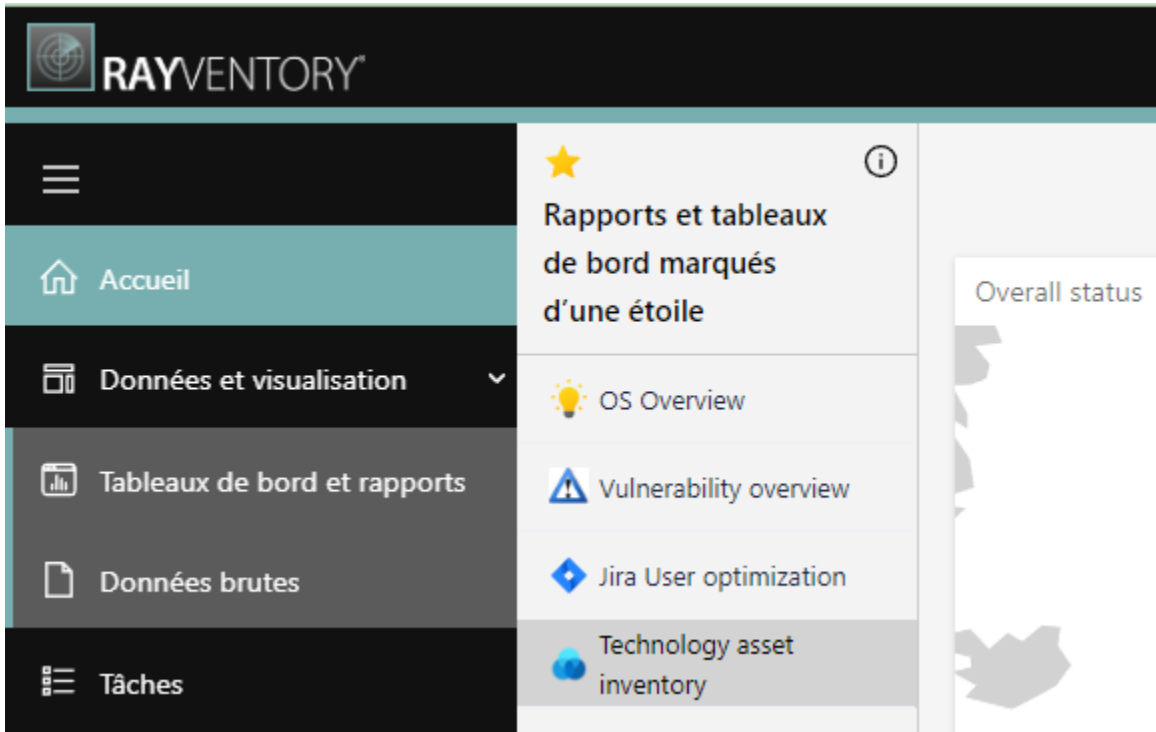
New Default Color Schema **RR-3538**

In this build, we changed the default color scheme to make bar and pie chart elements more distinguishable.



Other Improvements

- **DATA TRANSFORMATION** The name of the group column for the “group” step is now optional. When omitted, this extra column is not added anymore. In previous versions, the name was required and there was no way to opt-out from the extra count column. **RR-3609**
ZEN-20889
- **DATA API** In the Data Hub API, it is now possible to get the results in the JSON format (depending on the value of the `Accept` header).
RR-3584
- **PREVIEW** In this build, we have added support for the French localization of the user interface. This is a preview feature. **RR-3476**



Security Improvements

- Updated library [datatables.net](#) to version 1.10.23+ to eliminate the potential software vulnerability [CVE-2020-28458](#). **RR-3466** **ZEN-21063**
ZEN-21397
- Resolved various issues with the delegation of authentication to the external identity provider. This change should have a visible change in terms of less flickering and screen changes, when the user gets authenticated. **RR-3617** **ZEN-21156**

Resolved Issues

- **DATA TRANSFORMATION** Fixed issues with the LEFT and OUTER join logic of the join steps. **RR-3560** **ZEN-21502**
- **DATA TRANSFORMATION** Fixed an issue with the data being partially ignored by the RayVentory Catalog connector task. **RR-3621**
ZEN-22464
- Fixed wrong logging for tasks with timeout. **RR-3462**
- **DATA TRANSFORMATION** Transformation steps with aggregation of the type `concat` now properly return `null` when all values are `null`. Previously, an empty string was returned. **RR-3585**
- **KEYCLOAK** Fixed an issue with e-mail field getting an automated prefix `preferred_username` when using KeyCloak-based authentication. **RR-3542**
- The message shown when trying to delete a group with permissions has been reworded. **RR-2511**
- **DATA TRANSFORMATION** Fixed an issue where an incorrect source was created when switching between the `table` and `step` source. **RR-3590** **ZEN-22359** **ZEN-21741**
- **DATA TRANSFORMATION** Fixed minor UI issues with the default standard transformation. **RR-3558**
- **DATA TRANSFORMATION** Fixed an issue with macro handling, where in some cases the parameters could be wrongly resolved. **RR-3606** **ZEN-21871**

- **KEYCLOAK** Fixed issues where signing out directly from the home screen was not possible without triggering a navigation. **RR-3457**
ZEN-21156
- Restored missing ITSM connector tasks and variables. **RR-3597** **RR-3596**
- Fixed various issues in cloud connectors:
 - Fixed wrong description in the Azure AD configuration. **RR-3546**
 - The `AWS.Athena` and `GCP.BigQuery` connectors could not fetch the data. **KOT-152**
 - Various issues with parameter relations: `hcl.bigfix.inventory`, `ibm.ilm`, `microsoft.azuread`, `microsoft.azure.compute`, `microsoft.azure.computeinventory`, `microsoft.azure.consumption`, `microsoft.azure.loganalytics`, `microsoft.azure.sql`, `microsoft.graph.generic`, `microsoft.intune`, `microsoft.m365.signins`, `microsoft.office365`, `salesforce`, `salesforce.sql`. **KOT-195**
 - Wrong serialization of the e-mail field in the JAMF Pro connector. **KOT-197**
 - Duplicate items in the `microsoft.azure.compute` connector in the `vm_skus` table. The table has duplicates though it should only have unique entries. **KOT-168**
 - Inconsistent list and comma-separated parameters in the `aws.ec2`, `aws.rds`, `aws.s3` connectors. **KOT-167**
 - Various issues in the Microsoft Azure Computer connector. **KOT-198** **KOT-208**
 - Wrong file handling and overriding resources in the `aws.s3` connector. **KOT-131**
 - Wrong usage of format and limit parameters in the `microsoft.graph.generic` connector. **KOT-211**
 - Long runtime of the VMware AirWatch connector. **KOT-199**

Known Issues

- Standard reports are available in the SQL-Server flavor only.
- The installer uses the SQL-Server as the default database type. In order to use MariaDB, skip the database creation step during the installation and adjust the configuration before starting the product for the first time. This does not affect the Docker-based installation, where the selection of the database type is determined by using a specific environment variable.
- The import of Excel files into container tasks does not work in combination with the MariaDB-based setup.
- Previous KeyCloak configurations will not be preserved during the migration process in the MSI-based installation. It is recommended to backup and restore your `appsettings.json`.

12.5.5086.74 [Update 01]

Released on 26 Jan 2023

Resolved Issues

- Fixed an issue with incomplete results saved to the tenant results database when using SQL Server database. **RR-3529** **ZEN-21404**
- Fixed an issue with missing editor for standard de-duplication step with `maxValue` strategy. **RR-3558**
- Fixed an issue, where the priority of joined columns could be lost when saving changes in the Transformation editor. **RR-3516** **ZEN-21256**
- Fixed conversion of date (`InstallDate0`) in `ECM SQL SOFTWARE ARP` task. **RR-3558**
- Various fixes in cloud connectors (internal version 2022.3.2): **RR-3528**
 - Fixed connection issues with Microsoft Azure Computer and Microsoft Azure SQL connectors. **KOT-153** **KOT-194**
 - Fixed faulty parameter assertion on `apiKey`, `username` and `password` in the HCL BigFix connector. **KOT-186**
 - Fixed unknown fields `parentName` and `parentId` and turned the `businessUnits` to be optional in the Salesforce Marketing Cloud. **KOT-153**

Breaking Changes

- In SAP BTP connector, `clientId` and `clientSecret` are now required. **KOT-166** **RR-3528**

Known Issues

- On Windows, when upgrading existing version of Data Hub server, previous settings like KeyCloak connection or database settings may be lost. It is recommended to back-up the file `appsettings.json` and restore it after the installation is finished.

12.5.5081.73 [RTM]

Released on 29 Dec 2022

Support for MariaDB / MySQL Databases [RR-2091](#) [RR-3362](#) [RR-1087](#) [ZEN-17726](#)

From this version on, Data Hub supports dual database types. The user can choose between SQL Server (standard setting) and MariaDB / MySQL. The selected database engine is used for both, product tables and tenant data. More information about switching to MariaDB database can be found in the product Installation Guide.




New Dedicated Connector to Query MySQL / MariaDB Databases [RR-3471](#) [ZEN-20972](#) [SCON-217](#)

What previously was only available as a generic ODBC query is now accessible as a standard connector, working similarly to the already available SQL Server connector. Both connectors can be used regardless of the used database engine.

Edit connector settings ×

General Info



NAME
MariaDB

VERSION
12.5.60.1457

LICENSE
This connector is licensed.

VISIBILITY ☐
 Show this connector

[Create a new task](#)


Save changes Discard

New Kubernetes Connector [RR-3461](#)

The new Kubernetes connector has been added.

Edit connector settings ×

General Info



NAME
Kubernetes

VERSION
12.4.202203.1

LICENSE
🔒 This connector is not licensed.

VISIBILITY 🗄️
 Show this connector

Save changes


Discard

New SAP Business Technology Platform (BTP) Connector and Connector Improvements **RR-3461**

The SAP Business Technology Platform (BTP) connector has been added. Additionally, there have been further improvements and fixes regarding the connectors.

Edit connector settings ✕

General Info



NAME
SAP Business Technology Platform (BTP)

VERSION
12.4.202203.1

LICENSE
This connector is licensed.

VISIBILITY 🗄️
 Show this connector

[Create a new task...](#)

Save changes Discard

Other Features and Improvements

- Improved KeyCloak integration. **RR-3428** **RR-3421**
- The standard ETL script for Office 365 and Active Directory has been improved. **RR-3468** **ZEN-21074**
- Improved fonts used by the Docker-based server. **RR-3371**
- **AZURE COMPUTE** Improved Azure Compute connector, which now can detect missing providers for subscription and uses an improved version of event logging. **RR-3461**

Security Improvements

- In this build, all OSS libraries which were previously not signed are now digitally signed. **RR-3257** **RR-3448** **ZEN-19870**

Resolved Issues

- Fixed an issue where Data Hub could not retrieve the data if the KeyCloak API has been configured as private. [RR-3465](#) [ZEN-20848](#)
[ZEN-20892](#)
- Fixed an issue with MSI installer creating unneeded resources. [RR-3419](#) [ZEN-20547](#)
- Fixed an issue where the look-up values in an *Enrich* step were not shown when editing the step again. [RR-3412](#) [ZEN-20501](#) [RR-3447](#)
- Fixed an issue where after a failed job various files remained in the temp directory. [RR-3423](#) [ZEN-20526](#)
- Fixed possible errors when executing merged transformations with SQL macros. [RR-3434](#) [ZEN-20457](#)
- Fixed an issue with hidden *OK* and *Cancel* buttons in the data source selection. [RR-3452](#) [ZEN-20734](#)
- Fixed an issue with the configuration of the maximum allowed timeout for *SQL Commands* in the *Tenant settings*. [RR-3444](#) [ZEN-20730](#)
- Fixed an issue with unnecessary capitalization and white spaces in column names, displayed by the Raw Data viewer. [RR-3409](#)
- Fixed an issue with signing in after unlinking a user from LDAP. [RR-3418](#)
- Minor fixes in various reports and dashboards. [RR-3375](#) [RR-3388](#) [RR-3376](#) [RR-3398](#) [RR-3416](#) [RR-3364](#) [RR-3424](#) [RR-3431](#)
[RR-3438](#) [RR-3445](#) [RR-3446](#)
- Fixed an issue with broken headers in the task view after a reload. [RR-3410](#)
- Fixed an issue where the *select all* checkbox on the transformation page only selected the first transformation instead of all transformations. [RR-3422](#)
- Fixed an issue where transformation tasks with the name “transformation” were not displayed correctly. [RR-3440](#)
- Fixed handling of NULL values in numeric aggregations (MAX, MIN, etc.) [RR-2469](#)
- Fixed typos in various places. [RR-3437](#) [RR-3456](#) [RR-3379](#)
- Fixed an issue where changing the language on the *Home* page caused an unnecessary toast notification. [RR-3333](#)
- **JAMF PRO** Fixed wrong data handling. [RR-3461](#) [KOT-163](#)
- **IBM ILMT** Fixed wrong data handling. [RR-3461](#) [KOT-130](#)
- **MICROSOFT AZURE CONSUMPTION** Fixed unescaped URLs returned by the connector. [RR-3373](#) [KOT-134](#)
- **SAP QUALTRICS** Fixed HTTP 400 Bad Request exceptions. [RR-3373](#) [KOT-107](#)
- **GOOGLE CLOUD BIGQUERY** Fixed wrong inclusion of parameters marked for deletion. [RR-3373](#) [KOT-143](#)
- Internal performance and stability improvements of Cloud connectors. [RR-3461](#) [KOT-161](#) [KOT-139](#) [KOT-5](#) [KOT-121](#) [RR-3461](#)
[RR-3373](#)

Known Issues

- Standard reports are available in SQL Server flavor only.
- The installer uses SQL Server as the default database type. In order to use MariaDB, skip the database creation step during the installation and adjust the configuration before starting the product for the first time. This does not affect Docker-based installation, where the selection of the database type is determined by using a specific environment variable.
- Importing of Excel files into container tasks does not work in combination with MariaDB-based setup.
- Previous KeyCloak configuration will not be preserved during the migration process in MSI-based installation.