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17.3 Release Notes

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Tasktop Release Notes - 17.3.35

Posted: August 22, 2018

- Fixes
 - Tasktop Integration Hub Fixes
 - Integrations

Fixes

Tasktop Integration Hub Fixes

Integrations

- 86957: Fixed an issue that could cause duplicate artifact creation when multiple linked integrations (i.e. Repository A --> Repository B --> Repository C) were run with a very short change detection interval.
- 85732: Fixed an issue where Tasktop could fail to flow comments and attachments occasionally when a user recreated a deleted artifact.

Tasktop Release Notes - 17.3.34

Posted: August 15, 2018

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - Atlassian Jira (REST)
- Features
 - Tasktop Integration Hub Features
 - Infrastructure
 - Connector-Specific Features
 - Atlassian Jira (REST)

Upgrade Notes

Connector-Specific Upgrade Notes

Atlassian Jira (REST)

- 84636: Atlassian will be deprecating basic authentication with passwords and cookie-based authentication for Jira Cloud by December 1, 2018. Users must configure a Tasktop repository authentication method other than 'Standard Authentication,' such as 'Email Address and API Token Authentication (Jira Cloud only),' by that time. See Atlassian notice here: <https://developer.atlassian.com/cloud/jira/platform/deprecation-notice-basic-auth-and-cookie-based-auth/>.

Features

Tasktop Integration Hub Features

Infrastructure

- 86400: Tomcat updated to address a known security issue.

Connector-Specific Features

Atlassian Jira (REST)

- 84636: Added new authentication method, 'Email Address and API Token Authentication (Jira Cloud only),' as per Atlassian notice <https://developer.atlassian.com/cloud/jira/platform/deprecation-notice-basic-auth-and-cookie-based-auth/>.

Tasktop Release Notes - 17.3.33

Posted: August 01, 2018

- Fixes
 - Tasktop Integration Hub Fixes
 - Operational Database
- Features
 - Tasktop Integration Hub Features
 - Logging

Fixes

Tasktop Integration Hub Fixes

Operational Database

- 85757: Fixed an issue that could cause processing to become stuck when using MS SQL Server as an operational database.

Features

Tasktop Integration Hub Features

Logging

- 85719: Security improvements for the logging subsystem.

Tasktop Release Notes - 17.3.32

Posted: July 26, 2018

- Fixes
 - Tasktop Integration Hub Fixes
 - Repositories

Fixes

Tasktop Integration Hub Fixes

Repositories

- 85609: To prevent errors after changes made to 'Script (HTTP Cookies)' repository authentication method, Keycloak windows installer now also creates authentication scripts by default.

Tasktop Release Notes - 17.3.31

Posted: July 11, 2018

- Upgrade Notes
 - Tasktop Integration Hub Upgrade Notes
 - Repositories
- Fixes
 - Tasktop Integration Hub Fixes
 - Integrations
 - Repositories

Upgrade Notes

Tasktop Integration Hub Upgrade Notes

Repositories

- 83843: Existing repositories using 'Script (HTTP cookies)' authentication method will continue to work normally. However, if changes need to be made to existing repository configuration, users will need to follow the new process of placing the script in the designated directory.

Fixes

Tasktop Integration Hub Fixes

Integrations

- 85075: Fixed an issue where comments could be duplicated when an error occurred while storing past activity.

Repositories

- 83843: For increased security, the 'Script (HTTP Cookies)' repository authentication method now allows the user to select the cookie script from a list, rather than being uploaded via the UI.

Tasktop Release Notes - 17.3.30

Posted: May 31, 2018

- [Features](#)
 - [Settings](#)

Features

Settings

- 83246: Includes recommended security updates.

Tasktop Release Notes - 17.3.29

Posted: April 18, 2018

- Fixes
 - Connector-Specific Fixes
 - Micro Focus ALM / QC (REST)

Fixes

Connector-Specific Fixes

Micro Focus ALM / QC (REST)

- 81878: Fixed an issue where test runs of test instances in the root (default) test set could not be retrieved.

Tasktop Release Notes - 17.3.28

Posted: April 11, 2018

- Fixes
 - Connector-Specific Fixes
 - IBM Rational Requirements Composer / DOORS Next Generation

Fixes

Connector-Specific Fixes

IBM Rational Requirements Composer / DOORS Next Generation

- 81905: Jazz OAuth has been fixed for split server authentication.

Tasktop Release Notes - 17.3.27

Posted: April 06, 2018

Fixes

Tasktop Integration Hub Fixes

- 81601: Fixed an issue where users would not be able to use the "Process All Artifacts" button when using Oracle or SQL Server 2008 as their operational database.

Tasktop Release Notes - 17.3.26

Fixes

Tasktop Integration Hub Fixes

- 81350: Fixed an issue where the browser would crash when trying to connect to a repository with no basic authentication.

Connector-Specific Fixes

IBM Rational Team Concert

- 79950: To reduce authentication failures, we've improved how OAuth redirects are handled in the IBM Rational Team Concert connector.

Tasktop Release Notes - 17.3.25

Upgrade Notes

Connector-Specific Upgrade Notes

CA Agile Central (Rally)

- 80502: Users authenticating with an API Key now use the "API Key Access" authentication option.

Fixes

Tasktop Integration Hub Fixes

- 80341: Fixed an issue whereby certain information not designated for inclusion in Support and Usage Reports was included in user-generated Support and Usage Reports. Modified the Support and Usage Report creation process to eliminate certain information from user-generated reports.
- 80569: Apache Commons logging configured with system properties will be overridden by the Log4j configuration.

Features

CA Agile Central (Rally)

- 80366: CA Agile Central connector provides "API Key Access" authentication option.

Tasktop Release Notes - 17.3.24

Fixes

Tasktop Integration Hub Fixes

- 80576: Includes support bundle improvements.

Connector-Specific Fixes

IBM Rational Team Concert

- 79950: To reduce authentication failures, we've improved how OAuth redirects are handled in the IBM Rational Team Concert connector.

Features

CA Agile Central (Rally)

- 80353: CA Agile Central connector now supports API Key authentication.

Repositories

- 80343: 'tasktop' is no longer a valid repository password.

Settings and Licensing

- 80900: Tasktop now rejects certain insecure passwords when configuring a connection to an external operational database.

Tasktop Release Notes - 17.3.23

Features

Extensions

- 80341: Includes support bundle improvements.

Tasktop Release Notes - 17.3.22

No release for Tasktop Integration Hub 17.3.22

Tasktop Release Notes - 17.3.21

Fixes

Connector-Specific Fixes

IBM Rational ClearQuest

- 79024: Fixed an issue that prevented the IBM ClearQuest connector from returning more than 50 artifacts in a query result.

Tasktop Release Notes - 17.3.20

No release for Tasktop Integration Hub 17.3.20

Tasktop Release Notes - 17.3.19

Fixes

Tasktop Integration Hub Fixes

- 77906: Fixed an issue where new artifact state may not be imported during association import.

Connector-Specific Fixes

ServiceNow Service Desk

- 77672: Fixed an issue where Demand artifacts could not be synchronized for ServiceNow.

Tasktop Release Notes - 17.3.18

Fixes

Connector-Specific Fixes

Microsoft Team Foundation Server

- 77609: Fixed an issue where a closed team collection on a team foundation server causes the connector not to be able to retrieve the list of projects (for any team collection).

Tasktop Release Notes - 17.3.17

Fixes

Connector-Specific Fixes

VersionOne

- 77713: Fixed an issue with the VersionOne connector where it was unable to support the VersionOne On-Demand Fall 2017 Update.

Tasktop Release Notes - 17.3.16

Fixes

Connector-Specific Fixes

Microsoft Sharepoint

- 77214: Fixed an error that prevented users from creating a Sharepoint collection due to duplicate Created and Modified fields

Tasktop Release Notes - 17.3.15

Fixes

Tasktop Integration Hub Fixes

- 76250: Fixed an issue which could cause an error when mapping Relationships to Relationship

Connector-Specific Fixes

IBM Rational ClearQuest

- 76319: Fixed an issue where values were not included when performing transitions in IBM Rational ClearQuest.

Tasktop Release Notes - 17.3.14

Fixes

Connector-Specific Fixes

IBM Rational ClearQuest

- 76650: Fixed an issue in the IBM ClearQuest connector that would timeout when attempting to list options for read only reference fields.
- 75363: Removed a restriction on the maximum number of characters allowed in multiline fields in IBM Rational ClearQuest.

Serena Dimensions RM

- 76371: Fixed Serena Dimensions RM connector not displaying projects from valid databases if there exists an invalid database.

Tasktop Release Notes - 17.3.13

Fixes

Connector-Specific Fixes

CA Agile Central (Rally)

- 75238: Connector will now check for errors parsing payloads and throw a specific exception for the operation to be retried

Tasktop Release Notes - 17.3.12

Fixes

Connector-Specific Fixes

HPE ALM

- 75237: Fixed an issue with error handling in the HPE ALM/QC connector.

IBM Rational ClearQuest

- 64357: Fixed an issue where attachments were not being detected in IBM Rational ClearQuest

Microsoft Team Foundation Server

- 75241: Fixed an issue where artifact synchronization could halt if there was a problem establishing a TFS server connection. These connections are now retried.

Tasktop Release Notes - 17.3.11

Fixes

Tasktop Integration Hub Fixes

- 75815: Improved error handling when comments or attachments are created.

Connector-Specific Fixes

HPE ALM Octane

- 76178: Fixed an issue where the product was unable to retrieve a user from the HP ALM Octane server if the user lacked a full name.

IBM Rational Team Concert

- 75372: Fixed an issue where the comment content in IBM Rational Team Concert containing the characters '\u' caused an error during integrations.

Microsoft Team Foundation Server

- 67249: Fixed an issue where 'Wrong data type' errors were not being retried by the Microsoft TFS connector.

Tasktop Release Notes - 17.3.10

Fixes

Tasktop Integration Hub Fixes

- 75242: Fixed an issue where the order of values in a list could cause a conflict.

Connector-Specific Fixes

Atlassian JIRA

- 75221: Fixed an issue with retrieving sprint labels containing an equal sign in the Jira connector

HP ALM

- 74596: Fixed an issue in HP ALM connector where operations were failing due to 'Session does not exist' error

Microsoft Team Foundation Server

- 68131: Fixed an issue with retrieving large attachments from Microsoft's Team Foundation Server.

Tasktop Release Notes - 17.3.9

Fixes

Tasktop Integration Hub Fixes

- 74831: Improved performance of the UI when there are many configuration elements.

Features

Models

- 74333: Models page now displays a concise view of models.

Tasktop Release Notes - 17.3.8

Fixes

Connector-Specific Fixes

IBM Rational Requirements Composer

- 73824: Connector now uses a different API to retrieve the root folder of an RM project.

Tasktop Release Notes - 17.3.7

Fixes

Tasktop Integration Hub Fixes

- 74339: Fixed an issue where multiple CA PPM projects cannot be used in a relationship to single /multi select mapping.

Connector-Specific Fixes

HP ALM

- 74264: Fixed an issue where expired PingFederate authentication sessions are not properly detected.

IBM Rational ClearQuest

- 74403: ClearQuest sessions are explicitly ended when connector encounters an error.

Jama

- 74605: Fixed a Jama bug that caused some artifact types to be missing when using a SOAP version

Microsoft Team Foundation Server

- 73146: Fixed an issue where the TFS connector would sometimes stop processing items.

Rally

- 74265: Fixed an issue where only the first 20 options were returned for single-selects.

Tasktop Release Notes - 17.3.6

Fixes

Tasktop Integration Hub Fixes

- 73541: Improved performance when handling a large number of pending activity and Microsoft SQL Server is used as an external database.

Connector-Specific Fixes

Atlassian JIRA

- 74429: Fixed an issue with retrieving options for closed issues.
- 74023: Fixed an issue with the rank field in the creation screen.

IBM Rational Team Concert

- 73911: Fixed an issue where an item could not be retrieved if it had an empty required field.

Microsoft Team Foundation Server

- 67249: 'Wrong data type' errors are now retried by the Microsoft TFS connector.

Tasktop Release Notes - 17.3.5

Fixes

Tasktop Integration Hub Fixes

- 73520: Improved trace logging when comments are impersonated.
- 73363: Added an error message when project configuration is outdated.

Connector-Specific Fixes

HP ALM

- 73912: Fixed an issue where an error would be thrown when retrieving attachments of an artifact.
- 73743: Fixed an issue in HP ALM where line break characters were being removed from text.

Microsoft Team Foundation Server

- 74127: Fixed an issue where the comment header was missing when synchronizing comments to Microsoft's Team Foundation Server.

ServiceNow Service Desk

- 74126: Fixed an issue where the comment header wouldn't appear.

Tasktop Release Notes - 17.3.4

Fixes

Tasktop Integration Hub Fixes

- 73827: A new self-signed certificate is provided for https testing purposes.
- 73601: Fixed an issue where "Update Always" on single relationship field to multi-relationship field would cause an error.
- 73213: Fixed an issue which could cause slow migration when migrating activity.
- 73318: Fixed an issue that would prevent migration from automatically retrying in certain situations.
- 73156: Fixed an issue where activity from full scans was not removed when cancelling current activity.
- 73008: Improved validation when mapping read-only fields.
- 72947: The error report now includes a thread dump.
- 72772: Fixed an error where mapping single container link collection field to multi artifact link results in an error.
- 72100: Fixed an issue where Relationships fields using Always Update would not replace existing Relationships.
- 70926: Fixed an issue causing an error when using Relationships fields with Always Update.

Connector-Specific Fixes

HP ALM

- 73367: Improved the performance for listing options for the Subject field.
- 73366: Fixed an issue where listing options for test folders would fail with an error about duplicate results.

Rally

- 73315: Filtered out duplicate release options in the CA Agile connector.

ServiceNow Service Desk

- 73506: Fixed an error that occurred when creating a collection for a ServiceNow table that had multiple 'state' fields.

Features

BMC Remedy

- 72222: Added support for BMC Remedy Work Orders as artifacts.

HPE ALM Octane

- 72610: Added support for LDAP Octane environments.

Tasktop Release Notes - 17.3.3

Fixes

Tasktop Integration Hub Fixes

- 73145: Fixed an issue which could prevent artifacts from processing if a value transformation script was used with Relationship fields.
- 72828: Fixed an issue which could cause errors when configuring the master password.
- 72741: Fixed an issue with the String format when transforming Date or DateTime to String.
- 72445: Updated interface for configuring repository queries in a collection to shows multiple dropdown menus.
- 68411: When the label of a collection type changed, user is notified and can resolve the change by saving the collection with the updated type value.

Connector-Specific Fixes

Atlassian JIRA

- 72833: Fixed an issue where deleted users would cause failures.

Microsoft Team Foundation Server

- 72982: Updated TFS connector documentation images.

Tasktop Release Notes - 17.3.2

Fixes

Tasktop Integration Hub Fixes

- 72662: Users can configure a mapping from container to relationships bidirectionally.
- 72656: Fixed an issue that cause the database to continuously grow when the Full Scan Interval is set to a low value.
- 72509: Log number of events that are cleaned up when migrating to a newer version.

Connector-Specific Fixes

Atlassian JIRA

- 71946: Improved feedback when entering incorrect credentials while creating a repository connection to Zephyr for JIRA Cloud.

IBM Rational Team Concert

- 72766: Fixed an issue where creating an attachment caused artifact links to be removed.
- 72453: Fixed an issue where ModifiedDate was updated in IBM RTC even though the artifact had not changed.

Polarion ALM

- 72835: Fixed an issue where missing values caused failures.

Tasktop Release Notes - 17.3.1

Upgrade Notes

Tasktop Integration Hub Upgrade Notes

- 70626: A Master Password is now required and needs to be created on next startup if not set.

Connector-Specific Upgrade Notes

CA Clarity PPM

- Connector documentation was missing details about a new required NSQL query ('Tasktop_GetTimeperiods').

IBM Rational Requirements Composer

- 56525: Migration will occur. If there are problems setting new values during migration, collections and mappings may need updating.

The Global Configuration Management Location field is cleared when Hub is upgraded. If streams are used in a migrated repository, the message "Repository Collection project is invalid" is displayed after the upgrade. Users must go to the Repositories page and re-enter the Global Configuration Management Location for each affected RDNG repository.

Fixes

Tasktop Integration Hub Fixes

- 72103: Fixed project based constant mapping configuration for multi select fields being incorrectly cleared on page load
- 71818: Fixed an issue where multi-constant values don't show up on the Field Flow page
- 71738: Fixed an issue where unresolved artifact link errors from a script during artifact creation were causing unretrievable errors
- 67336: Added new transform for ContainerLink to Relationships and validation against Relationship model field to Relationships collection field mapping in the UI.
- 65704: Fixed an issue where Models Page does not filter out internal use fields.
- 64609: Fixed an issue where the browser does not clear the cache with a normal reload when Tasktop Integration Hub updates.

Connector-Specific Fixes

Atlassian JIRA

- 71416: Descriptions and comments having tables in JIRA are now produced with improved accuracy. Previously some rich text constructs such as lists within table cells could produce tables that were incorrectly formatted.
- 71414: Fixed an issue which would cause errors when processing rich text if there were newlines between square brackets

HP ALM

- 68930: Fixed an issue where plain text was losing formatting.

HP PPM

- 71403: Fixed an issue where the Assigned Role field value would be reset.

Microsoft Team Foundation Server

- 72551: Fix failure retrieving a TFS artifact when it contains weblinks with angle brackets.

Polarion ALM

- 72500: Fixed an issue where projects could not be listed.

Features

Misc

- 70622: The Master Password is encrypted and stored on a registry for Windows hub instance so that hub can automatically consumes it at startup.

Platform

- 70626: The Master Password is encrypted and stored so that it is not required on startup.

Template: Synchronization

- 71720: Support change detection for repositories unable to sort search results by last modified.

Tasktop Release Notes - 17.3.0

Upgrade Notes

Connector-Specific Upgrade Notes

Atlassian JIRA

- 64358: Any existing custom text field in JIRA that is mapped to a RichText field in a collection will have to be re-mapped.
- 68205: Unique identification of JIRA artifacts has changed and a migration of data will be required the first time this version of the application is run.

BMC Remedy

- 67435: Customers that use the BMC Remedy Problem or Incident integration should download the latest definition files from Tasktop and apply the new Tasktop_CompanyInterface_WS web service to their BMC Remedy system.

HP PPM

- 65905: The read only string fields Assigned Role and Assigned Role ID, have been combined into a single writeable single select field. Previous mappings that used Assigned Role and Assigned Role ID will have to be remapped to the new Assigned Role field.

IBM Rational Requirements Composer

- 56525: Migration will occur. If there are problems setting new values during migration, collections and mappings may need updating.

The Global Configuration Management Location field is cleared when Hub is upgraded. If streams are used in a migrated repository, the message "Repository Collection project is invalid" is displayed after the upgrade. Users must go to the Repositories page and re-enter the Global Configuration Management Location for each affected RDNG repository.

Microsoft Team Foundation Server

- 63399: After upgrading Tasktop Integration Hub, the user will need to perform the following steps:
 - Stop the application.
 - Delete the old TFS SDK library from the Tasktop install. On Windows, the default path to the TFS SDK folder should be C:\ProgramData\Tasktop\libraries\microsoft-tfs. On Linux, the default path should be \$INSTALL_FOLDER/libraries/microsoft-tfs, where \$INSTALL_FOLDER is the root of the product install.
 - Start the application.
 - Go to the TFS repository in the application. The product should prompt the user to upload a

new version of the TFS SDK. From <https://github.com/Microsoft/team-explorer-everywhere/releases/tag/14.118.0>, upload file "TFS-SDK-14.118.0.zip".

ServiceNow Express

- 65403: Users no longer require write permission to the ecc_queue table for adding attachments.

Taucraft Targetprocess

- 66829: Upon upgrade, this change will trigger a full synchronization for customers due to a change in calculating revisions.
- 65166: Mappings using the Team field should be changed to use the AssignedTeams field. The Project field should be mapped. The Bug Severity field may need to be re-mapped.

Tricentis Tosca

- 67306: Unique identification of Tosca artifacts has changed and a migration of data will be required the first time this version of the application is run.

VersionOne

- 61047: Customers integrating VersionOne may experience one time synchronization of all artifacts.

System Requirements

Supported Browsers

The following browsers are supported:

- Internet Explorer 11 or later
- Firefox 46.0.1 and up
- Chrome 50.0.2661.102 and up

Supported Operating Systems

The following 64-bit operating systems and versions are supported:

- Windows 7 SP1
- Windows 10
- Windows Server 2008 R2 SP1
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2016
- Red Hat Enterprise Linux 6.x
- Red Hat Enterprise Linux 7.x

- Ubuntu Linux 12.04 LTS
- Ubuntu Linux 14.04 LTS
- Ubuntu Linux 16.04 LTS
- SUSE Linux Enterprise Server 11.x
- SUSE Linux Enterprise Server 12.x

Supported Databases for storing Tasktop Configuration Data

Tasktop automatically stores integration configuration and state information to a built-in database. If desired, you can have Tasktop use an external database instead so that it is consistent with your existing disaster and recovery process. This is the recommended practice for production environments. For details on how to do this, please refer to the Storing Configuration Information to an External Database section in our user docs here: <https://docs.tasktop.com/tasktop/user-guide/installation-primer>

The following databases and versions are supported for storing Tasktop configuration and state data:

Microsoft SQL Server 2008 (including SP1, SP2, SP3, SP4)
 Microsoft SQL Server 2008 R2 (including SP1, SP2, SP3)
 Microsoft SQL Server 2012 (including SP1, SP2)
 Microsoft SQL Server 2014 (including SP1)
 Microsoft SQL Server 2016
 Oracle 11g
 Oracle 12c

Supported Databases for use in Enterprise Data Stream Integrations

The Tasktop Database add-on allows you to create integrations that store artifact information to one central database.

If your license includes the Tasktop Database add-on and you would like to configure an Enterprise Data Stream Integration, the following databases and versions are supported:

- Microsoft SQL Server 2008 (including SP1, SP2, SP3, SP4)
- Microsoft SQL Server 2008 R2 (including SP1, SP2, SP3)
- Microsoft SQL Server 2012 (including SP1, SP2)
- Microsoft SQL Server 2014 (including SP1)
- Microsoft SQL Server 2016
- MySQL 5.5
- MySQL 5.6
- MySQL 5.7
- Oracle 11g
- Oracle 12c

Java Runtime Environment

The JRE is included with no need to install a JRE separately.

Hardware Sizing for Deployment Scenarios

Following are recommendations on sizing hardware and virtual machine capacity to meet the needs of typical deployment scenarios.

The Tasktop Integration Platform is a web application which runs centrally on a server. Users interact with it through a web browser from any computer that has network access to the server. These sizing recommendations apply to the server machine running the Tasktop Integration Platform.

These recommendations are guidelines intended to provide a starting point when deciding on hardware allocation for a specific deployment. We recommend monitoring system load including CPU usage, memory pressure and disk queue length and adjusting the system sizing accordingly.

For best results, the Tasktop Integration Platform should be deployed in an environment that has good network throughput and low latency to all repositories and databases involved in an integration.

Small Deployment

A deployment managing up to 20,000 ALM artifacts and up to 200 active users.

- 4 GB system memory
- 3 GHz processor, 2 cores
- 50 GB free disk space

Small deployment system sizing is roughly equivalent to an EC2 T2 Medium instance.

Medium Deployment

A deployment managing up to 100,000 ALM artifacts and up to 1,000 active users.

- 8 GB system memory
- 3 GHz processor, 2 cores
- 150 GB free disk space

Medium deployment system sizing is roughly equivalent to an EC2 T2 Large Instance.

Large Deployment

A deployment managing many ALM repositories and 200,000+ ALM artifacts and over 2,000 active users.

- 8 GB system memory
- 2 × 3 GHz processors, 4 cores
- 250 GB free disk space

Large deployment system sizing is roughly equivalent to an EC2 M4 Large or M3 Large Instance.

Fixes

Tasktop Integration Hub Fixes

- 71511: Fixed an issue where a value transformation script would receive values in the wrong order if some of the values were empty
- 71339: Fixed an issue which could cause Rally comments to be duplicated after upgrading Tasktop.
- 71318: Unsaved changes dialog action buttons are consistent.
- 71285: Fixed an issue that caused the first value to be selected as the default when mapping field options.
- 71251: Fixed an issue where person tracking could disrupt artifact processing.
- 70630: Fixed an issue where a field was not visible on the mapping page collection field selection if the field had a dependency on an other field.
- 69054: User sees Inbound Artifacts on integration landscape artifact type filter when collection does not have a type.
- 69023: Project picker search value is not treated as regular expression.
- 68841: Fixed an issue that stopped person not found exceptions from being raised if a person scripted returned an invalid user-id.
- 68720: Errors while creating an artifact won't be automatically retried.
- 68714: While creating a collection, the repository connection can be changed, when projects had already been selected.
- 68523: Fixed an issue which could create duplicate attachments when upgrading from 17.1 and synchronizing attachments for a Team Foundation Server.
- 68212: The repository collection model is now displayed correctly when editing.
- 68143: User is now able to select none as an option for person fields.
- 68129: Fixed an invalid error message from a mapped single-select option.
- 68123: The documentation contains a section on how to script the creation of Web Links.
- 68013: Smart-Field tooltip is aligned to display inside the UI to avoid being partially cut off.
- 67930: Fixed an issue that could prevent using a value transformation script on fields with dependencies.
- 67912: NotFoundException no longer appears in the Tasktop log for events that have completed successfully.
- 67704: Fixed a defect preventing users from disabling comments if the comment field type became incompatible with comments.
- 67536: Fixed an issue where PersonNotFoundException was being encountered on filtered artifacts.

- 67408: Tasktop's REST API can be accessed using basic HTTP authentication.
- 67245: Fixed an issue when a user tried to configure a mapping that was a duplicate of another.
- 67238: Fixed an issue preventing users from searching for single select constant values.
- 66985: Error message correctly spells "occurred".
- 66968: Fixed an issue where changed model values would not be detected and synchronized.
- 66955: Fixed an issue where the mapping counts were not being displayed right after saving a new collection.

- 66934: Fixed an issue where the Field Mapping page would not show a newly added field mapping if one of the fields was recently loaded using the Field Mapping Refresh button.
- 66732: Fixed an issue preventing a user from saving a transformation mapping with an artifact transition script into a collection.
- 66720: layout of Activity screen is improved for lower screen resolutions
- 66545: The activities view filter can now display longer integration names.
- 66542: Data persistence migration errors show up in the Activity UI as Issues.
- 66526: Fixed an issue where comments could not synchronize due to an error from validation.
- 66525: Migration progress is saved incrementally when upgrading Tasktop, enabling users to resume an upgrade that is interrupted.
- 66335: Fixed an issue where migration could cause duplicates and field-related errors for Microsoft Team Foundation Server when master passwords were used.
- 66357: Fixed an artifact change processing delay to improve synchronization integration performance.
- 66313: Fixed an issue on the integration diagram that prevented the user from re-opening a repository panel after closing it.
- 66018: Allows users to use update always to create two unidirectional mappings through a single model field.
- 66015: Fixed an issue where changing a transformation cleared mapped options.
- 65709: Fixed an issue where synchronization failed if a person could not be found when synchronizing a single-value person field to a multi-value person field.
- 65838: Fixed a defect where duplicate attachments could be created if a back synchronization failed during artifact creation.
- 65708: Arrowheads in the integration landscape diagram are now greyed out when not selected.
- 65611: Fixed an issue causing "person not found" error when synchronizing between JIRA and HPE ALM.
- 65039: Fixes an issue where the navigation bar buttons were not always highlighted.
- 65030: Fixed an issue where the customer could not see the full model name in the landscape diagram.
- 64954: Fixed an issue where adding attachment HPE ALM to JIRA caused artifact to be processed repeatedly.
- 64913: Improved project selection message when creating a Zendesk collection
- 64745: Migration will now retry migration automatically if a migration fails due to a retry-able error occurs this includes authentication state expired.
- 64438: Fixed an issue where Copyright year would display NaN instead of a year.
- 64115: Long running scripts will timeout.
- 64005: Fixed an issue where the status transition scripts were not removed when removing the status mapping.
- 63804: Fixed an issue where integration could use non-flowing parent folder mapping rather than artifact routing.
- 63635: User can create a value transformation script for the 'relationships' type.
- 62111: Fixed an issue where the 'Configure' link on the integration routing page did not link to the selected conditional routing pair.
- 61751: Tasktop with user management will force the use of https when visiting the application in a browser.
- 61566: Resolved connection issues are removed automatically.

- 61554: Expected “Artifact cannot be processed” entries are only logged when troubleshooting is enabled.
- 59317: Fixed an issue where the removal of an artifact was not recorded in Enterprise reporting integration when using container routing.
- 45703: Fixed the alignment of long configuration labels in the UI.

Connector-Specific Fixes

Atlassian JIRA

- 65809: Fixed an issue where the comment field was not available as a JIRA transition attribute when there were no other fields.
- 64358: Fixed an issue causing errors when wiki-style renderer is treated as plain text for text fields mapped to rich text fields.
- 62500: Atlassian JIRA's HTML to Confluence conversion can now handle lists within tables.

CA Clarity PPM

- 68727: Fixed an issue where a response could have an unexpected null value.
- 68644: The Tasktop_SearchTask query has been updated to ensure only tasks of projects are retrieved (and tasks of other investments are ignored). See documentation for details on the updated NSQL statement.

HP ALM

- 66164: Fixed an issue where duplicate Test Runs were created.
- 66043: Fixed an issue where plain text was losing formatting.
- 65176: Username and Password now may contain UTF-8 characters when using Basic Authentication.
- 64230: Fixed an issue where incorrect number of requirements could cause folder corruption.
- 63222: Tooltips are displayed now for the Comment Handling and Comment Date Format fields.

IBM Rational ClearQuest

- 66945: Fixed an issue where dependent fields would not be updated in ClearQuest.

IBM Rational Team Concert

- 66729: Fixed an issue where the RTC connector did not remove all links from artifact link fields.
- 59242: Fixed an issue where a “Cannot handle RDF resource values” error was received upon artifact retrieval.

Jama

- 66061: Improved the error message when the connector tries to retrieve a folder that no longer exists.

Microsoft Project Server

- 65735: Fixed an issue where Microsoft Project Server connector could not search for nested artifacts by formatted id.

Microsoft Team Foundation Server

- 70628: Fixes an issue where an unexpected authorization exception is thrown while retrieving project options.
- 66527: Fix an issue where web links fields could not be synchronized into Microsoft Team Foundation Server
- 66203: Fixed an issue that caused frequent "Connection factory has been shutdown" errors from Microsoft Team Foundation Server.
- 66166: Fixed an issue in Microsoft Team Foundation Server connector that prevented schema migration when upgrading to new version.
- 63399: Fixed an issue with the TFS connector that improved TFS synchronization performance in Tasktop Integration Hub.

Planview

- 66146: Fixed an issue in Planview connector where a database query was missing a schema reference.

Rally

- 66062: Improved error handling when retrieving an artifact associated with a deleted user.

Salesforce

- 65703: Fixed an issue where expired session was not re-authenticated.
- 62302: Fixed a problem where Salesforce Objects retrieval fails due to "statements cannot query more than 20 different child types." error.

Serena Business Manager

- 50042: Owner and Secondary Owner fields are now read-only.

ServiceNow Service Desk

- 68910: Fixed an issue in ServiceNow where users with the same username would cause an error.
- 68257: Users can now map 'State', 'Problem State', and 'Incident State' fields for Problems and Incidents.
- 68251: Fixed an issue in ServiceNow Service Desk where specific queries would fail to validate.
- 67113: Fixed a ServiceNow Service Desk issue where search-by-type was retrieving too many artifacts.
- 66961: Fixed an issue with encountering duplicate options in ServiceNow Service Desk.
- 66311: Fixed an issue where items with attachments were constantly being synchronized without being changed.

Taucraft Targetprocess

- 66829: Fixed an issue where unchanged artifacts were continually processed.

VersionOne

- 63612: Fixed a problem where some requests to retrieve artifacts with long URLs caused errors due to length.
- 61047: Fixed an issue where artifacts synchronized endlessly.

Features

Activity & Issues

- 67252: Starting an integrations will schedule the change detection to run in 5 second (or earlier if a smaller interval is configured).
- 63368: User can choose to recreate a deleted paired artifact of a previously synchronized artifact pair in the errors view when a change for the still existing artifact has occurred.
- 44782: Improved navigation on the activity page when there are multiple pages

Atlassian JIRA

- 62170: Added support for Test Cycle start and end date in the Zephyr for JIRA connector.

BMC Remedy

- 67435: Added support for BMC Remedy Change artifacts.

Collections: Repository

- 70518: Collections can be created for read-only connectors.
- 61417: User can set a constant value mapping for a multi select field.
- 60712: Only display read only icon beside fields which are both required and read only.

Container fields are not displayed as required

- 58500: Improved field-dropdown sorting and searchability.

HP ALM

- 65868: Added support for the Test field Requirement Coverage.

HP PPM

- 70714: HPE PPM connector now supports Requests as artifact type.
- 65906: Added support for Task comments (read only) to the HPE PPM connector
- 65905: Ability to update Summary, Scheduled Start, Scheduled Finish, Scheduled Duration and Assigned Roles fields was added.
- 65904: HPE PPM connector now supports reading from task references and writing to hierarchy links.

Help

- 67523: Tasktop error report filename contains timestamp of creation.

IBM Rational ClearQuest

- 67107: ClearQuest connector now supports writing to fields that are writable only in certain states.

IBM Rational Requirements Composer

- 56525: Made changes to support IBM RDNG version 6.0.3.

Installers

- 68831: The genuine Tasktop Hub linux installer displays EULA before installation.
- 68119: On Windows, Tasktop adds Start Menu shortcuts for starting and stopping Tasktop.

Jama

- 67510: Added support for the "Allow API Override" field for Jama connector.

Microsoft Project Server

- 64816: Time worked and Duration fields are now writable on newer versions of Microsoft Project Server.

Misc

- 68106: Hub administrator can upgrade Tasktop when using Oracle as a back-end.
- 67123: Hub administrator can migrate to Oracle from Derby.
- 65040: Tasktop users can now upload proxy association exports via the Tasktop administrative UI.
- 64919: Access to the Integration landscape diagram can be restricted based on the license.
- 57738: Attachment ignored message is now logged at 'info' level.
- 32609: User can remove empty collection boxes.

Models

- 68607: Collection Relationship and Relationships fields can now be mapped to Single and Multi select fields

Salesforce

- 71401: Content document attachments mistakenly were retrieved with normal object attachments. This has been fixed, so Content document attachments will no longer be retrieved.

ServiceNow Service Desk

- 68517: The ServiceNow connector now supports workflow fields as read-only single selects.

Settings and Licensing

- 68809: Users of Tasktop Pro may now create Value Transformation and Person Mapping scripts.
- 68648: When no license is provided, the user can see that connectors and integration templates are unlicensed.
- 68646: Users will receive new features covered by their license when upgrading Tasktop.
- 66122: Connector toggle system property is set when a Tosca OEM license is used.
- 62263: Administrator can store configuration and other data in an external Oracle 11g, or 12c database. README.txt contains steps how to configure.

Template: Synchronization

- 67527: Current activity can be filtered by running or stopped integrations.
- 66986: User is able to resolve artifact and container links in value transformation scripts.
- 58024: User can choose to re-synchronize artifacts to send values for new or changed field mappings.

Tricentis Tosca

- 64304: Added support for Tosca Execution Test Case Logs to link to Defects and Execution Entry.