4.2 Release Notes

- Tasktop Sync Release Notes - 4.2.10
- Tasktop Sync Release Notes - 4.2.9
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- Tasktop Sync Release Notes - 4.2.0

Tasktop Sync Release Notes - 4.2.10

Sync Version 4.2.10

Fixes

- **IBM Rational Team Concert**
  - 34701 - Fixes an issue where users that are not members of a project or project team cannot be used to post comments.

Tasktop Sync Release Notes - 4.2.9

Sync Version 4.2.9

Fixes

Connector-Specific Fixes

- **IBM Rational Team Concert**
  - 32858 - Fixed comment impersonation issue when user is part of a project team, but not the project itself.

Tasktop Sync Release Notes - 4.2.8

Sync Version 4.2.8

Fixes

Connector-Specific Fixes

- **Jama (SDK)**
    - 32859 - Fixed a timeout issue when retrieving large lists of sets.

Tasktop Sync Release Notes - 4.2.7

Sync Version 4.2.7

Fixes

Connector-Specific Fixes

HP ALM (SDK)

- 33255 - Fixed an issue with project lists that have duplicates with child elements.

Tasktop Sync Release Notes - 4.2.6

Sync Version 4.2.6, IBM RLIA Tasktop Edition Version 1.1.3.2-ifix04

Fixes

Connector-Specific Fixes

- **IBM Rational Requirements Composer (SDK)**
  - 32215 - Fixes an issue that caused links to be removed when a non-link field is being updated on a Requirement.

Tasktop Sync Release Notes - 4.2.5

Sync Version 4.2.5, IBM RLIA Tasktop Edition Version 1.1.3.2-ifix03

Upgrade Notes

Sync Upgrade Notes

- 31184 - Groovy scripts involving transition attributes must be updated to ignore consequential changes upon a transition.

Fixes

Connector-Specific Fixes

- **Microsoft Team Foundation Server (SDK)**
  - 32059 - Reduced the log level about invalid user accounts, duplicate display names and unusable collections to TRACE.
- **Rally**
  - 32084 - Fixed an issue when a user is a member of multiple workspaces.
- **Serena Business Manager (SDK)**
  - 32058 - Fixed an issue with privilege errors for single and multi-select fields.

Tasktop Sync Release Notes - 4.2.4

Tasktop Sync Version 4.2.4

Fixes

Tasktop Sync Fixes

- 31564 - Fixed an issue where Tasktop Sync may not delete all upgraded repositories during a connector upgrade.
- 31546 - Changed the naming scheme for Sync repository schema to have a fixed length scope portion of the name. This resolved an issue where long scopes may result in filenames which are too long to write to the file system.
- 31000 - Tasktop Sync will no longer prompt for credentials when encountering unrelated issues.

Connector-Specific Fixes

- IBM Rational Requirements Composer (SDK)
  - 31321 - Internal and external OSLC defined multi-artifact links are no longer lost when updating a non-link field on an artifact.
- Microsoft Team Foundation Server (SDK)
  - 31565 - Improved performance of TFS connector artifact retrieval (after an initial first retrieval which populates field value lists, e.g. list of users).
  - 31554 - Fixed an issue where required TFS severity failed

Features

- SDK
  - 30453 - Provides the ability to search for persons using a connector that can only retrieve the full list of all persons in a repository. The list of all persons retrieved by the connector is cacheable. A default operation is provided to perform the search over the retrieved list.
- Server
  - 31555 - Added the "external-value-map" caster for using properties files to map attribute options.

Tasktop Sync Release Notes - 4.2.3

Tasktop Sync Version 4.2.3, IBM RLIA Tasktop Edition Version 1.1.3.2-ifix02

Upgrade Notes

Connector-Specific Upgrade Notes

- **Microsoft Team Foundation Server (SDK)**
  - 31079 - Requires Groovy script for functionality, see attachments. Mappings may need to be edited depending on TFS object type.

Fixes

Tasktop Sync Fixes

- 30729 - Fixed an issue where task retrieval may fail if users were missing display names.
- 29622 - Fixed an issue where attributes marked for sync again would be forgotten when a task enters the error or pending state.

Connector-Specific Fixes

IBM DOORS

- 31095 - Fixed an issue that caused the update of a DOORS artifact to fail if a non-standard view was set as default.

IBM Rational Requisite Pro (SDK)

- 31415 - Added support for multi-value lists with labels containing spaces and Unicode chars.
- 31413 - Added log warnings if view metadata cannot be found.

Features

IBM Rational Team Concert

- 30666 - Added overrides to the server side maxQueryLimit to retrieve as many WorkItems as a query would match.

Microsoft Team Foundation Server (SDK)

- 31079 - Added support for state transitions including setting a Reason.

Tasktop Sync Release Notes - 4.2.2

Tasktop Sync Version 4.2.2

Tasktop Sync Fixes

- 30345 - Fixed a connector migration issue where connector is referenced by mapping templates containing scope configuration.

Connector-Specific Fixes

IBM DOORS

- 30724 - Fixed an issue where items could not be retrieved when attributes in the module had the same name but different types and/or option values.

Microsoft Team Foundation Server (SDK)

- 30568 - Fixed an issue that caused the retrieval of a TFS artifact to fail if a person field had an invalid user value (e.g. a group).

Tasktop Sync Release Notes - 4.2.1

Tasktop Sync Version 4.2.1

Fixes

- Connector-Specific Fixes
  - **CA Clarity PPM**
    - 28374 - User can now specify the timesheet entry precision used on the CA PPM server to avoid synchronization errors based on rounding issues for small amounts of work logged.
  - **Jama (SDK)**
    - 29362 - Comments can be synchronized when using a Jama server that has millisecond precision for comment dates.
    - 29100 - Fixed error that could result when Release field is empty.
  - **VersionOne**
    - 29893 - Connector now supports artifacts with a Creator that no longer exist (has been deleted from the server).

Tasktop Sync Release Notes - 4.2.0

Tasktop Sync Version 4.2.0

Upgrade Notes

Upgrading from the Previous Version of Tasktop Sync

Important Security Updates: This version of Tasktop Sync contains important updates. See release notes below for details. Should you require any assistance in your upgrade process, please email support@tasktop.com.

Status/workflow transition support has been improved and the scripting API updated to reflect this change. Customers making use of state transition scripts prior to this release will need to update their scripts. Please reach out to your support representative for guidance on how to update your existing scripts.

When upgrading from any version of Tasktop Sync prior to version 4.2.0 or 4.1.10, the following steps should be completed in order to completely remedy defect 29626:

1. Complete a Tasktop Sync upgrade to version 4.2.0 or 4.1.10, and ensure that Tasktop Sync has been run at least once after upgrading.
2. Identify the location of the workspace on the filesystem. This is explained in "Backup and Restore" in the Tasktop Sync user guide.
3. Identify all filesystem backups or copies that include files from the workspace.
4. For each backup or filesystem copy, ensure that the following folder and it's contents are removed: <workspace>\.metadata\.plugins\com.tasktop.artifacts.bridge (where<workspace> is the location of the workspace).
   For example, if the workspace is located under C:
   \Users\Administrator\AppData\Roaming\TasktopSync\workspace, the following folder and its contents should be removed: C:\Users\Administrator\AppData\Roaming\TasktopSync\workspace\.metadata\.plugins\com.tasktop.artifacts.bridge
   Do not remove any other files or folders, since they may be required to successfully restore a backup.

If you have any questions about this procedure, please contact Tasktop support.

Connector-Specific Upgrade Notes

- **CA Clarity PPM (SDK)**
  - 28358 - Customers will need to add prpctcomplete and prwdm task fields to Tasktop_GetTask NSQL, see latest user manual for details.
  - 28105 - Customers will need to update their Tasktop_GetResources and Tasktop_GetAssignments NSQL queries based on the latest user manual.
  - 27430 - "Tasktop - Search Tasks" NSQL needs to retrieve an additional task attribute: pristask.
  - 24662 - Users that enabled the Task "Charge Code" field will need to replace their Tasktop_ChargeCodesLookup NSQL script using the new instructions for dynamic lookups in the Tasktop user manual.
- **IBM Rational Team Concert (SDK)**
  - 24283 - The old RTC connector prepends unordered list items with "*", ordered list items with "#", and updates how acronyms are displayed. These changes are made syncing into RTC, and when later synced from RTC, they remain the same (i.e., hashes do not become numbers)). We are not repeating these behaviours in the new RTC connector.

System Requirements

Supported Operating Systems

Tasktop Sync is supported on the following operating systems and versions. Versions tested by Tasktop are indicated below.

- Windows Server 2012
- Windows Server 2008
- Windows Server 2007
- Red Hat Enterprise Linux 5 & 6 (GTK2 and X Windows required)
- SUSE Linux Enterprise Server 11 (GTK2 and X Windows required)

Java Runtime Environment

Tasktop Sync is packaged with a JRE and there is no need to install a JRE separately. Tasktop Sync uses Oracle Java 1.7.0_76.

Networking

Tasktop Sync requires an IPv6 or IPv4 network to access target ALM repositories. Access to some repositories is limited to IPv4, so please check the Tasktop Sync documentation specific to the repositories to be synchronized prior to configuring the network.

Tasktop Sync should be located on the same network (or very nearby) to the target ALM repositories in order to minimize latency between servers. Recommended network throughput is 100Mbps with a latency of less than 50ms. When synchronizing large attachments (i.e., sizes > 20MB) greater throughput may be desired.

Hardware Sizing for Deployment Scenarios

The following hardware is recommended for three sample Tasktop Sync deployment scenarios.

Disk space is primarily used for caching and storing transient data that can be used to enhance the synchronization process. The amount of disk space needed is proportional to the size of the collection of artifacts that are being synchronized.

Processor sizes below are based on the equivalent to a 2007 Opteron or 2007 Xeon processor.

Small Deployment

A deployment with one Sync Mapping managing up to 20,000 ALM artifacts and up to 200 active users.

- 4 GB system memory
- 1 GHz processor, 2 cores
- 30 GB free disk space

Small deployment system sizing is roughly equivalent to an EC2 M1 Medium Instance.

Medium Deployment

A deployment with several Sync Mappings managing up to 100,000 ALM artifacts and up to 1,000 active users.

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

Medium deployment system sizing is roughly equivalent to an EC2 M1 Large Instance.

Large Deployment

A deployment with many Sync Mappings involving many ALM repositories and managing 200,000+ ALM artifacts and over 1,000 active users.

- 8 GB system memory
- (2) 3 GHz processors, 4 cores
- 100 GB free disk space

Large deployment system sizing is roughly equivalent to an EC2 M1 Large or M3 Extra Large Instance.

Fixes

- Tasktop Sync Fixes
    - 29626 - Fixed an issue ensuring that all authentication information necessary to log into third party systems is always properly encrypted. Note that this authentication information has never been transmitted in unencrypted form to Tasktop or as part of authentication procedures. This additional security measure is intended to ensure that it is also never stored in unencrypted form.
    - 29568 - Fixed an issue causing some task mappings to not get upgraded during connector upgrade.
    - 29064 - Fixed an issue where upgrading Jira repositories which have been used in Sync mappings before Sync 2.8 would result in an error.
    - 28732 - Fixes an issue where during a connector upgrade Tasktop Sync may not correctly migrate all historical Sync records.
    - 28718 - Fixed an issue where running the repository URL change wizard resulted in a memory error.
    - 28702 - Fixed an issue with preserving nested list formatting in rich text fields.
    - 28549 - Fixed an issue where Time Worked could be overwritten when Time Worked synchronization was disabled
    - 28322 - Synchronizations that go into the pending queue are no longer logged as errors.
    - 28057 - Fixed an issue closing the task mapping editor regardless of which mapping is open during a connector upgrade.
    - 28045 - Fixed an issue with missing URLs when synchronizing rich text with images.
    - 28020 - Fixed issue where Tasktop Sync may remove the attachment mapping configuration during a configuration update.
    - 27998 - Fixed an issue with sorting jobs in the progress view.
    - 27901 - Fixed an issue that could occur when upgrading a connector with old mapping history.
    - 27914 - Fixed an issue with blank line formatting during rich text synchronization.
    - 27879 - Fixed an issue with worklog deletion between CA PPM and Atlassian JIRA.
    - 27899 - Fixed a performance issue while upgrading to a new connector.
    - 27885 - Fixed an issue when updating the proxy store configuration on template based mappings.

- 27869 - Task Mapping Editor ensures that Attachment Mapping configuration exists when configuration is saved.
- 27625 - Improved handling of concurrent change detection during submit.
- 27402 - Fixed an issue with reconciliation of worklogs between source and proxy.
- 27171 - Improved type labels on schema page.
- 26626 - Improved performance when generating repository schemas.
- 25408 - Tasktop Sync now stores basic web configuration in a per-workspace preference store.

Connector-Specific Fixes

- Atlassian JIRA
  - 28360 - Fixed incorrect handling of special quotes character in attachment names.
  - 28286 - Fixed a defect that caused incorrect time units to be posted to time tracking fields that have customized default units for input values.
  - 28043 - Fixed an issue with sub-minute worklog synchronization.
  - 27854 - Fixed an issue where only the first 20 worklogs were retrieved.
- CA Clarity PPM
  - 29327 - Improved performance in worklog synchronization on systems where certain tasks have a very high number (hundreds) of worklogs over a long period of time.
  - 29114 - Fixed an issue with time-out when validating repository settings.
  - 27709 - Fixed issue where changes to worklogs in adjusted timesheet caused removal of all worklogs in the timesheet.
  - 27204 - Fixed retrieval of time sheets to batch per user to avoid timeouts for tasks with many users.
- CA Clarity PPM (SDK)
  - 28358 - Added "% complete" and "top-down %" support to PPM connector.
  - 28105 - Fixed issue with Tasktop_GetResources and Tasktop_GetAssignments NSQL queries to retrieve user info.
  - 27631 - Fixed Incident sub-object query to properly exclude objects based on last modified date.
  - 27430 - PPM subprojects are not supported, and therefore no longer exposed to the user.
  - 27413 - Fixed an issue fetching time logs for multiple resources on the same task.
  - 27358 - Fixed an issue with Incident sub-object Tracking ID field population.
  - 27158 - Fixed an issue with worklogs ordering by start date.
  - 26923 - Only update artifact fields when changes are detected.
- GitHub Issues (SDK)
  - 28708 - Retry the operation if a 502 error occurs
- HP ALM
  - 29005 - Fixed an issue where HP ALM favorite queries that contained special characters such as & and # resulted in an error.
  - 28278 - Fixed 'duplicate ids' error when attempting to read tree path fields where an ancestor option has the same value as a descendent option.
  - 28042 - Fixed an issue retrieving list values when ALM has a customized home page.
  - 27439 - Fixed an issue where the server returns an empty string for a field's label.

- 27093 - Fixed a handling when invalid characters (^*) found in Defect summaries.
- 26955 - Fixed an issue with synchronizing requirements with many tests in their test coverages.
- 26929 - Fixed a limitation that restricted attachment filenames to 85 characters.
- 26913 - Requirements that are checked out, either by requirement creation or user modification, will now go into the pending state, instead of going into the error queue.
- **IBM DOORS**
  - 27624 - Fixed an issue with outlink removal.
  - 27360 - Fixed an issue with outlink retrieval.
- **Jama (SDK)**
  - 26287 - Fixed an issue with Jama Text items where no Text set exists in the project.
- **Polarion ALM (SDK)**
  - 26391 - Removed duplicate options when retrieving single select values in Polarion
- **Rally**
  - 29379 - Improved error handling when Rally site is temporarily unavailable.
- **Serena Business Manager (SDK)**
  - 28065 - Fixed an issue with ISSUETYPE fields not being available for synchronization.
- **Serena Dimensions RM (SDK)**
  - 28378 - Fixed exception that was occurring when querying SDRM using version 11.2.1
  - 27321 - Fixed an issue with numeric fields that do not have a maximum length set.
- **ServiceNow Service Desk**
  - 27059 - Fixed an issue with repetitive syncing related to different revision times from querying and retrieval.
- **ThoughtWorks Mingle**
  - 27053 - Fixed an issue reporting attachment size.

Features

- 28547 - Added casters for Multi-Select and Single-Select to String and from String to Multi-Select and Single-Select.
- 27258 - Added the ability to map enumerations by label to the Value Map Caster.
- 26972 - Sync supports synchronizing time worked entries to connectors with read-write time worked fields.
- 29297 - Can now post comments during JIRA state transitions.
- 27330 - Sync will retry operations that fail due to Jama API throttling
- 27034 - Tasktop Sync can synchronize time worked into CA PPM on a time sheet that has been posted then adjusted
- 27026 - Enabled writing to adjusted CA Clarity PPM timesheets.
- 24662 - PPM "Dynamic Lookup" fields are now supported when specialized per-field NSQL scripts are present. PPM Tasks now have support for "Cost Type".
- 24231 - Added synchronization of time worked into CA PPM.