4.4 Release Notes

- Tasktop Sync Release Notes - 4.4.9
- Tasktop Sync Release Notes - 4.4.8
- Tasktop Sync Release Notes - 4.4.7
- Tasktop Sync Release Notes - 4.4.6
- Tasktop Sync Release Notes - 4.4.5
- Tasktop Sync Release Notes - 4.4.4
- Tasktop Sync Release Notes - 4.4.3
- Tasktop Sync Release Notes - 4.4.2
- Tasktop Sync Release Notes - 4.4.1
- Tasktop Sync Release Notes - 4.4.0

Tasktop Sync Release Notes - 4.4.9

Sync Version 4.4.9

Connector-Specific Fixes

- HP ALM
  - 40631 - Performance improvements made to HP ALM link retrieval.

Tasktop Sync Release Notes - 4.4.8

Sync Version 4.4.8

Sync Fixes

- 39648 - Tasktop Sync can now read Time Worked entries with missing information

Connector-Specific Fixes

- IBM Rational Requirements Composer (SDK)
  - 40182 - Fixed an issue processing artifact type information when an IBM Rational Requirements Composer repository provides type information that is inaccessible to the connector.
  - 40130 - Fixed an issue where IBM Rational DOORS Next Generation requirements with attachments could not be read.

Tasktop Sync Release Notes - 4.4.7

Sync Version 4.4.7

Connector-Specific Fixes

- IBM DOORS
  - 39523 - Fixed an issue causing images to synchronize continuously due to the filename changing.
  - 36559 - Fixed an issue causing exceptions when refreshing a task.
- VersionOne
  - 39440 - Fixes an issue where unsupported artifacts (like Theme or TestSet) linked to a retrieved artifact will cause failure to retrieve.

Tasktop Sync Release Notes - 4.4.6

Sync Version 4.4.6

Connector-Specific Fixes

- **Blueprint (SDK)**
  - 38712 - Fixed support for rich text synchronization in Blueprint Cloud update 6.4.
- **IBM Rational Team Concert (SDK)**
  - 38626 - Fixed pagination of predefined queries in the IBM Rational Team Concert connector.
- **VersionOne**
  - 38583 - Fixed synchronization of worklogs that belong to a user that has been deleted from VersionOne.

Tasktop Sync Release Notes - 4.4.5

Sync Version 4.4.5

Sync Fixes

- 38241 - Fixed an issue where Tasktop Sync would fail to synchronize changed attachments.
- 38363 - Fixed an error in the Tasktop Sync documentation for the Attribute Based Person Mappings example.

Connector-Specific Fixes

- **IBM Rational Requirements Composer (SDK)**
  - 37760 - Fixed an issue where the IBM Rational Requirements Composer connector failed to connect to non-SSL servers.
- **Atlassian JIRA**
  - 38715 - Atlassian JIRA connector now supports fields like "watchers", "comments", and custom single-selects on Atlasssian JIRA OnDemand and Atlasssian JIRA 7.1.0.

Tasktop Sync Release Notes - 4.4.4

Sync Version 4.4.4

Sync Fixes

- 38403 - Fixed UI scrolling problem with multi-select fields in query wizard.

Connector-Specific Fixes

- **IBM Rational Team Concert (SDK)**
    - 38380 - Improved performance of artifact retrieval in the Rational Team Concert Connector.
- **Microsoft Team Foundation Server (SDK)**
    - 38231 - Improved schema refresh performance of Team Foundation Server Connector.
- **ServiceNow Service Desk**
    - 38397 - Improved handling of fields that do not have a label.

Tasktop Sync Release Notes - 4.4.3

Sync Version 4.4.3

Sync Fixes

- 38289 - Fixed an issue where invalid enumeration lists in the schema prevented Sync from starting.

Connector-Specific Fixes

- **IBM Rational Requisite Pro (SDK)**
  - 38259 - Fixed an issue in RequisitePro where refreshing an artifact would fail if the artifact contained a field with options that shared a label with a field of another type.
- **Serena Business Manager (SDK)**
  - 38201 - Fixed an issue where items with a schema that is missing certain fields could not be retrieved

Tasktop Sync Release Notes - 4.4.2

Sync Version 4.4.2

Upgrade Notes

- **Tricentis Tosca (SDK)**
  - 37075 - Users will need to recreate or reconfigure any virtual folder queries

Features

- **Tricentis Tosca (SDK)**
  - 36805 - All Test Cases in an Execution List can now be retrieved.

Sync Fixes

- 37628 - Scheduled Jobs will work in locales using commas instead of periods for decimal formatting.

Connector-Specific Fixes

- **Atlassian JIRA**
  - 37097 - Jira transition schema now allows Issue Type, cascading select fields, and label fields to be included.
- **Blueprint (SDK)**
  - 37647 - Fixed an issue where types with parentheses in their names could not be queried.
- **HP ALM**
  - 38032 - Fixed an issue where the HP ALM connector wrongly claims a string field value containing multi-byte characters is too long.

- **IBM Rational Requirements Composer (SDK)**
  - 38077 - Fixed an issue in RRC where querying could fail when retrieving artifacts without a summary.
- **IBM Rational Team Concert**
  - 36792 - IBM Rational Team Concert unassigned user repository setting will be set correctly when upgrading from Mylyn to SDK connector.
- **ServiceNow Service Desk**
  - 38168 - Fixed an issue where options without a label caused an error making it so items could not be retrieved.
  - 37758 - Updated help documentation to include the sys_glide_object table to the access controls required for minimal user permissions.

Tasktop Sync Release Notes - 4.4.1

Sync Version 4.4.1

Sync Fixes

- 36696 - Line Breaks will automatically be removed from Attachment Descriptions and Titles if not supported.
- 36558 - Fixed an issue that caused Sync to report an error about aborting requests to secure storage.

Connector-Specific Fixes

- HP ALM
    - 36975 - HP ALM 12.2 will now display a proper error message instead of an NPE when an invalid user is in a person field.
- IBM Rational Team Concert (SDK)
    - 37100 - RTC is now able to retrieve and use all Categories on a project not just those that are available for non-members.
- Serena Business Manager (SDK)
    - 37109 - Not attempting to retrieve group values in fields where users and groups can be assigned.
- Tricentis Tosca (SDK)
    - 36055 - Allow line breaks on user-defined string fields.
- VersionOne
    - 36791 - Added Collection based search support to VersionOne.

Tasktop Sync Release Notes - 4.4.0

Tasktop Sync Version 4.4.0

Upgrade Notes

Sync Upgrade Notes

- 32410: After a schema refresh, a warning may appear in configuration about "Expected comment type of…". To resolve, select the identified comment content-type in the mapping editor.

Connector-Specific Upgrade Notes

IBM Rational ClearQuest

- 35114: The IBM Rational ClearQuest Connector will now always execute the MODIFY action labelled "Modify" when updating an artifact. Users must ensure that all artifact types they want to work with have one MODIFY action named "Modify".

IBM Rational Requirements Composer

- 33692: Duplicate Artifact Link fields have been removed. Users may need to recreate mappings if they were using one of the removed duplicate Artifact Link fields.

Jama

- 35119: If using the Jama Connector, please update the schema via the corresponding schema tab of the mapping editor.

ThoughtWorks Mingle

- 31036: If you have been using a script to achieve status synchronization, this should now be done via the new Status caster in the mapping editor.

System Requirements

Supported Operating Systems

Tasktop Sync is supported on the following operating systems and versions.

- 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 1.8.0_60-b27.

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 M3 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 M3 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 M3 Large or M3 Extra Large Instance.

Fixes

Sync Fixes

- 35944: Tasktop Sync can now be started without its internal web server (web/oslc capabilities disabled).
- 35702: Improved handling of attribute changes while state transitions happen concurrently.
- 35547: Tasktop Sync will ensure that tasks whose data failed to download are redownloaded
- 35470: Improved handling of Time Worked entries with zero duration.
- 35416: Fixed No More Handles issue stemming from Connector branding image duplication.
- 35228: Users can now copy text from the Connector Requirements descriptions in wizards.
- 34037: Sync will apply any mapping whose strategy is "Apply Always" during every submission.
- 33659: Metrics email now reports "Synchronizations" and "Created"
- 33383: Fixed an issue where template mappings would fail to load the attribute mapping editor.
- 33377: Switching multiple mappings to a new template will only write to the configuration file once when all mappings have been updated.
- 32650: Improved performance of Sync schema generation for SDK connectors.
- 32623: Tasktop Sync will no longer attempt to submit unchanged attributes.
- 32259: Improved responsiveness of New Mapping from Mapping Template wizard.

Connector-Specific Fixes

Atlassian JIRA

- 35891: Fixed a defect that prevents the JIRA connector from showing different options for the Resolution field on Transitions depending on the workflow configuration.
- 34605: Fixed an issue where artifacts with a CLOSED status caused several single-select/multi-select fields to have no options.
- 32375: The JIRA Connector now provides an appropriate error message when a corrupt artifact is encountered.

- 29544: The JIRA Connector's default rich text language was changed from "Confluence" to "JIRAConfluence". This only affects the parsing behaviour of relative links (e.g. Confluence links) within rich text fields. If a user wishes to still see relative links as hyperlinks, the "Confluence" language should be used.

BMC Remedy

- 35303: Fixed an issue where invalid person mapping caused needless re-synchronization.
- 32263: Fixed an issue where using a repository location with a trailing "/" caused an error.

Blueprint

- 32810: Added Blueprint Single Line HTML MediaType to support single-line rich text fields.

HP ALM

- 36424: Fixed an issue with repeated attachment synchronization of .url attachments by disallowing them to be written to HP ALM.
- 35307: Fixed an issue where HP ALM artifact's last modified dateTime would show the wrong value.
- 34227: Fixes an issue where insufficient repository account permissions could cause the artifact to enter the pending queue instead of the error queue, and hide the actual permissions related error.
- 34143: Fixed an issue where schema incorrectly annotated Direct Cover Status.
- 32093: Fixed a formatting issue causing comments to become misaligned.

HP Quality Center and ALM

- 36411: Fixed handling of locked artifacts in HP ALM 12.2.

IBM Rational ClearQuest

- 35659: The ClearQuest Connector will no longer follow references when attempting to fetch options for reference based single-select fields.
- 35114: Fixed an issue where the ClearQuest Connector would fail to update an artifact when the artifact type was configured with more than one MODIFY action.
- 34371: Fixes an issue where new options for single select fields can cause ClearQuest artifact retrieval to fail.

IBM Rational DOORS

- 35689: Fixed an issue where querying views with duplicate IDs caused an error.
- 34856: Fixed an issue where where the connector did not detect out/in link changes resulting in empty links.
- 33256: Improved error handling of DOORS Connector artifact retrieval.
- 32857: Fixed an issue preventing schema/artifact retrieval in case a single select attribute had a duplicate entry.

IBM Rational Requirements Composer

- 33692: Removed duplicated multi-value links

- 33443: Fixes an issue where too many collections caused the collection-based search page to stop working.

IBM Rational Requisite Pro

- 32872: Fixed an issue where help documentation failed to load

IBM Rational Team Concert

- 36016: Fixes an issue with the connector not throwing the appropriate error when an artifact is not found.
- 35814: Fixed an issue with unassigned User ID field under the Additional Settings section of IBM Rational Team Concert Connector repository properties dialog.
- 35498: Fixes an issue where the connector did not correctly handle the "Unassigned" user on non-English installations of Rational Team Concert.
- 35467: Fixed an issue with stale session detection and failure to re-authenticate.
- 35445: To limit returned queries, the Rational Team Concert Connector will now only retrieve queries created by the authenticated user.
- 34910: Fixed a user id case sensitivity issue that could result in submission failures.
- 34803: Fixed an apostrophe encoding issue that could result in failure to synchronize comments.
- 34701: Fixes an issue where users that are not members of a project or project team cannot be used to post comments.
- 34699: Fixed an issue where comment parsing errors could lead to repetitive synchronization.
- 34311: Fixed an issue with retrieving Iterations for a WorkItem.
- 33376: Fixed issue with retrieving comments on a WorkItem when server hosted on WebSphere Application Server.
- 32858: Fixed comment impersonation issue when user is part of a project team, but not the project itself.

Jama

- 35119: Fixed an issue that could result in incorrect options being presented during attribute mapping.
- 32859: Fixed a timeout issue when retrieving large lists of sets.

Microsoft Team Foundation Server

- 36401: Fixed an issue where failure in retrieving authenticated user information prevents artifact retrieval.
- 35400: Fixed an issue where saving an artifact in "Removed" state would cause an error.
- 33707: Fixed retrieval of work items that have web links with invalid URI characters.

ServiceNow Service Desk

- 35656: Fixed an issue where ServiceNow items were not being returned when using certain instances of ServiceNow Fuji.
- 34955: Fixed an issue that prevented retrieval of Problem and Incident artifacts with specific configurations.

iRise

- 34334: Fixed sort order of Project lists.

Features

Bridge

- 33217: Synchronizations are now placed into Pending for a longer period if required by the repository.
- 33182: Repository comment impersonation capabilities now automatically detected.
- 13402: Added ability to refresh available options from the new query creation dialog.

CA Agile Central

- 34585: Rally Connector specific http headers are now included in all http requests.

HP ALM

- 33695: Fixed support for Latin character encodings in attachment file names.

IBM Rational Requirements Composer

- 33881: Improved handling of updating locked resources in Rational Requirements Composer 6.0.

Server

- 35532: Mapping editor now provides warnings when required attributes are not mapped, and when read only attributes are mapped.
- 35526: Required and Read Only metadata now visible on mapping editor schema page.
- 35435: Suggested status transition mappings will be presented when the status transition caster is chosen.
- 34351: The maximum number of tasks to be used for schema refresh and generation is now configurable via preferences.
- 34350: A new scheduled job is available that marks all tasks in a query for synchronization.
- 34349: A configuration option is now available to validate the authors of comments and attachments.
- 33199: Default Synchronizer.xml now includes the attribute "update-repository-configurations-on-start="true""
- 33183: The comment author can now be prepended to each synchronized comment if the repository does not support user impersonation.
- 33181: State transitions can be configured through the mapping editor.
- 33179: Transition specific attribute synchronization can now be configured in the mapping editor.
- 33178: Complex status synchronization can now be configured from the mapping editor via the Status Transition caster.
- 24408: The Value Mapping caster can now be configured to ignore case.

Studio

- 36037: Refresh Schema button in schema editor page now allows quick refresh based on locally cached data or optionally refreshing from the repository.
- 35653: A warning label will be displayed at the top of the Transition Caster user interface if there is a mapped transition with required transition attributes which are not mapped.
- 33380: Improved layout of the value mapping caster within the mapping editor.