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## 4.5 Release Notes

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# Tasktop Sync Release Notes - 4.5.10

## Sync Version 4.5.10

### Connector-Specific Fixes

- CA Clarity PPM (SDK)
  - 44572 - Fixed an issue where retrieval of artifacts fails if they contain a new value in one of the dynamic-NSQL fields.

# Tasktop Sync Release Notes - 4.5.9

## Sync Version 4.5.9

### Connector-Specific Fixes

- **IBM Rational Requirements Composer (SDK)**
  - 44026 - Fixed an issue where Doors Next Generation requirements with custom user fields could not be retrieved.
- **ServiceNow Service Desk**
  - 43806 - Added repository configuration field that allows attachments greater than 25 MB to be synchronized into ServiceNow.

# Tasktop Sync Release Notes - 4.5.8

## Sync Version 4.5.8

### Sync Fixes

- 42816 - Some network operations, including queries, will be re-executed automatically when authorization expires.

### Connector-Specific Fixes

- **Atlassian JIRA**
  - 42534 - Fixed an issue where fields failed to synchronize with the error "must not redefine field template"
- **CA Clarity PPM (SDK)**
  - 43220 - Fixed an issue where the description field for Incidents did not allow line breaks.
- **HP ALM**
  - 42740 - Fixes an issue where an unverified assignee field can cause artifact retrieval failure.
  - 42707 - Fixed an issue causing HP ALM to fail when the connector's authentication state expired during an operation.
- **IBM DOORS**
  - 40402 - Fixed an issue causing long running queries to fail.
- **IBM Rational Requirements Composer (SDK)**
  - 42600 - IBM Rational Doors Next Generation will no longer throw an error when attempting to create a collections query against IBM DNG 6.0 with iFix6 installed.
- **Microsoft Team Foundation Server (SDK)**
  - 41545 - Reduced memory footprint of the Microsoft TFS connector.
- **ServiceNow Service Desk**
  - 41882 - Fixes an issue where the connector would not return more than 10000 items for query results or single select options
  - 41461 - Fixed an issue where the ServiceNow connector would incorrectly report reference field labels
- **iRise (SDK)**
  - 42713 - Fixed an issue where the iRise connector threw an exception when a custom field of unsupported type was encountered.

# Tasktop Sync Release Notes - 4.5.7

## Upgrade Notes

### Connector-Specific Upgrade Notes

#### HP ALM

- 41470: HP ALM Connector now considers "Users List" fields that are not "Verified" as text fields instead of person fields.

## Fixes

### Connector-Specific Fixes

#### Atlassian JIRA

- 38742: Fixed a bug where users could not access issues that themselves link to other issues that are not visible to the user.

#### HP ALM

- 41470: HP ALM Connector now considers "Users List" fields that are not "Verified" as text fields instead of person fields.

# Tasktop Sync Release Notes - 4.5.6

## Sync Version 4.5.6

### Sync Fixes

- 41850 - Improved handling of periodic repository authentication errors.
- 41565 - Fixed error in SyncStateManager.

### Connector-Specific Fixes

- **GitHub Issues (SDK)**
  - 41985 - GitHub projects and organizations are now retrieved using pagination.
- **ServiceNow Service Desk**
  - 41818 - Fixed an issue with excessive logging in some configurations.
  - 40795 - Fixed an issue where fields not appearing in the default view could be made required.

# Tasktop Sync Release Notes - 4.5.5

## Sync Version 4.5.5

### Connector-Specific Fixes

- **Atlassian JIRA**
  - 41150 - Fixed a bug that occurs when JIRA Misc Custom Fields are installed.
- **IBM Rational Team Concert (SDK)**
  - 41113 - Rational Team Concert will only return the user matching the exact email specified.
- **Microsoft Project Server (SDK)**
  - 40983 - Fixes an issue where worklogs synchronized into Microsoft Project Server were split across days.



# Tasktop Sync Release Notes - 4.5.4

## Sync Version 4.5.4

### Connector-Specific Fixes

- **Atlassian JIRA**
  - 40528 - Changed JIRA response handling to better reflect successful attachment requests.
- **Microsoft Project Server (SDK)**
  - 40145 - Fixes an issue where incorrect values were being set when synchronizing worklogs.
- **Microsoft Team Foundation Server (SDK)**
  - 40746 - Fixed an issue where Microsoft Team Foundation Server Connector set Closed Date field as read-only.

# Tasktop Sync Release Notes - 4.5.3

## Sync Version 4.5.3

### Features

- IBM Rational Requirements Composer (SDK)
  - 39030 - Added support for new 6.0.1 release from IBM.

### Connector-Specific Fixes

- Jama (SDK)
  - 40569 - Fixed the URL used to retrieve attachments for Jama REST repositories.

# Tasktop Sync Release Notes - 4.5.2

## Sync Version 4.5.2

### Connector-Specific Fixes

- **Blueprint (SDK)**
  - 40231 - Fixed an issue where types that extend Use Case and Glossary did not have a Content field.
- **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.
- **Jama (SDK)**
  - 40471 - Fixed error that occurs when retrieving a user with an empty name in Jama
- **ServiceNow Service Desk**
  - 40227 - Fixed an issue where users with no ID could be retrieved.
  - 40595 - ServiceNow connector no longer throws an exception when connecting to versions of ServiceNow that are not officially supported by the connector.

# Tasktop Sync Release Notes - 4.5.0

## Sync Version 4.5.0

### Upgrade Notes

- **Upgrading from the Previous Version of Sync**
- **Sync Upgrade Notes**
  - 36808 - Upon upgrading you will be required to perform a database update. This will be performed automatically and is required before continuing.
  - 36607 - The Error Log is no longer opened by default in new workspaces. The Error Log may be accessed via the Tasktop Sync toolbar dropdown menu.
  - 36596 - Error notifications are now scheduled to execute every hour. This schedule is configurable through the mapping editor.
- **Connector-Specific Upgrade Notes**
- **CA Clarity PPM (SDK)**
  - 38588 - CA Project and Portfolio Management mappings that include the Project attribute must be changed from value with label to artifact link.
  - 38586 - NSQL queries Tasktop\_SearchProjects and Tasktop\_GetProject need to be added to support new functionality. Tasktop\_L\_prchargecodeid needs to be updated in the CA PPM instance as well.
- **HP ALM**
  - 29065 - For comment impersonation into HP ALM, the user has to exist and be properly mapped now. Prior to adding this feature, invalid users could be used for impersonation into HP ALM comments. Now, this is not working anymore.
- **Tricentis Tosca (SDK)**
  - 37075 - Users will need to recreate or reconfigure any virtual folder queries.

### 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\_66-b18.

## 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

- 39648 - Tasktop Sync can now read Time Worked entries with missing information
- 38790 - Tasktop Sync will only display errors and warnings for the currently in use configuration files.

- 38638 - Scripted Attribute Handlers can now specify the attributes they handle. The specified attributes will be considered as having been mapped with no 'required' field warnings being shown for these attributes.
  - 38241 - Fixed an issue where Tastop Sync would fail to synchronize changed attachments.
  - 38403 - Fixed UI scrolling problem with multi-select fields in query wizard.
  - 38289 - Fixed an issue where invalid enumeration lists in the schema blocked the application from starting.
  - 37628 - Scheduled Jobs will work in locales using commas instead of periods for decimal formatting.
  - 36696 - Line Breaks will automatically be removed from Attachment Descriptions and Titles if not supported by the target repository.
  - 36558 - Fixed an issue that could result in an error about aborting requests to secure storage.
  - 36491 - When running as a service, if a lock on the runtime workspace cannot be acquired the process will end.
- **Connector-Specific Fixes**
  - **Atlassian JIRA**
    - 37097 - The JIRA connector's transition schema now allows Issue Type, cascading select fields, and label fields to be included.
  - **Blueprint (SDK)**
    - 38712 - Fixed support for rich text synchronization in Blueprint Cloud update 6.4.
    - 37647 - Fixed an issue where types with parentheses in their names could not be queried.
  - **CA Clarity PPM (SDK)**
    - 38802 - Fixed a tool tip text displaying product-specifics.
  - **HP ALM**
    - 38032 - Fixes an issue where the HP ALM connector wrongly claims a string field value containing multi-byte characters is too long.
    - 36975 - Improved the error message provided by the connector when a person field in HP ALM 12.2 contains an invalid user.
    - 28279 - HP Application Lifecycle Management connector no longer logs warnings for duplicate field options.
  - **HP PPM (SDK)**
    - 39680 - When updating an existing timesheet, the product now creates a new time sheet line if no existing time sheet line is found.
  - **IBM DOORS**
    - 39523 - Fixed an issue causing images to synchronize continuously due to the filename changing.
    - 38818 - Retry loading of links when DOORS client crashes.
    - 36559 - Fixed an issue causing exceptions when refreshing a task.

- 36036 - Changed the \$summary from rich text to plain text.
  - 35818 - Fixed an issue where new queries are unable to find folders.
- **IBM Rational Requirements Composer (SDK)**
    - 38077 - Fixed an issue where querying could fail when retrieving artifacts without a summary.
    - 37760 - Fixed an issue where the IBM Rational Requirements Composer connector failed to connect to non-SSL servers.
- **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.
- **IBM Rational Team Concert**
    - 36792 - IBM Rational Team Concert unassigned user repository setting will be set correctly when upgrading from the Mylyn to SDK connector.
- **IBM Rational Team Concert (SDK)**
    - 38626 - Fixed pagination of predefined queries in the IBM Rational Team Concert connector.
    - 38380 - Improved performance of artifact retrieval in the IBM Rational Team Concert connector.
    - 37100 - The IBM Rational Team Concert connector is now able to retrieve and use all Categories on a project, not just those that are available for non-members.
    - 34370 - Fixed an issue where the "Filed Against" field was incorrectly marked as required.
- **Jama (SDK)**
    - 38373 - Fixed an error due to line break characters in the attachment description in Jama.
- **Microsoft Team Foundation Server**
    - 29268 - Fixed a mistake in the help documentation referencing JIRA instead of Microsoft Team Foundation Server.
- **Microsoft Team Foundation Server (SDK)**
    - 38231 - Improved schema refresh performance for the Microsoft Team Foundation Server connector.
    - 37959 - Fixed an issue where existing files in the system's temp folder interfere with attachment creation for artifacts managed by the Microsoft Team Foundations Server connector.
    - 35319 - Fixed an issue where TFS Connector loaded native libraries incorrectly
- **Rally**
    - 34338 - Rally project list changed to reflect alphabetical hierarchy within the web UI.
- **Serena Business Manager (SDK)**

- 38201 - Fixed an issue where items with a schema that is missing certain fields could not be retrieved
  - 37109 - Fixed an error when retrieving fields where both users and groups can be assigned.
- **Serena Dimensions RM (SDK)**
- 36169 - Fixed an issue where certain plain text fields in SDRM were being incorrectly identified as rich text fields.
- **ServiceNow Service Desk**
- 38397 - Improved handling of fields that do not have a label.
  - 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.
  - 36087 - Fixed an error retrieving choice lists including elements without a value set.
- **Tricentis Tosca (SDK)**
- 36055 - Fixed an error when updating artifacts with line breaks on user-defined string fields.
- **VersionOne**
- 39676 - Improves performance of the Version One connector during artifact retrieval by reducing occurrences of global locking when processing person and link fields.
  - 39440 - Fixed an issue where unsupported artifacts (like Theme or TestSet) linked to a retrieved artifact will cause failure to retrieve.
  - 38583 - Fixed synchronization of worklogs that belong to a user that has been deleted from VersionOne.
  - 36791 - Added Collection based search support to VersionOne.
  - 34433 - Fixed an issue where authentication followed redirects.
  - 21613 - Fixed an issue where rich text fields failed to preserve spans with underline or line-through text decoration styles.

## Features

- **Atlassian JIRA**
- 38715 - Atlassian JIRA connector now supports fields like "watchers", "comments", and custom single-selects on Atlassian JIRA OnDemand and Atlassian JIRA 7.1.0.
  - 37007 - Atlassian JIRA connector now supports JIRA Core and JIRA Software 7.0
  - 36741 - Atlassian JIRA connector now supports sub-tasks.
- **Bridge**
- 38107 - Enabled Planview Connector as a writer of time worked.
- **IBM Rational Requirements Composer (SDK)**



- 26121 - IBM Rational Requirements Composer connector supports search for requirements by their formatted ID.
- **IBM Rational Team Concert (SDK)**
- 28760 - Changed sorting of search results to be by modification date, descending.
- **Linking**
- 38573 - Tasktop OSLC linking now displays task key and summary in link titles
  - 36580 - The Tasktop Sync OSLC Adapter now supports the creation of multiple OSLC links simultaneously.
- **SDK**
- 28589 - The Atlassian JIRA connector now supports authentication using CA Single Sign-on.
  - 17053 - Performance improvements in the Atlassian JIRA connector by caching information that is repeatedly retrieved.
- **Server**
- 39020 - New caster added that supports synchronization between task links and single select fields.
  - 37645 - Performance improvements were made allowing schema refresh without need for query execution for supporting repositories.
  - 36987 - Synchronization conflicts that result in no synchronization will be included in error emails.
  - 36986 - When queries fail to execute, error email notifications will include more details related to the query in error.
  - 36981 - Administrators can now recreate a synchronized task should one be deleted by an end user.
  - 36786 - If a repository supports public and private comments, you may now choose to only synchronize the private comments (excluding public public comments).
  - 36606 - The error displayed when an incoming task matches multiple mappings now shows the name of each mapping.
  - 36601 - All link related casters now handle removal of a subset of links being synchronized.
  - 36600 - It is now possible to automatically initiate shutdown of the application if disk space is running low.
  - 36599 - A warning email will now be sent when disk space is low.
  - 36592 - A Location to Web Link caster is now available and allows the label to be customized.
  - 36581 - Task Link to Task Link caster can now be configured to only synchronize links to tasks within scope of an existing Task Mapping.
- **Studio**
- 39021 - The Value to Task Link caster is now available within the attribute mapping editor.
  - 37763 - Repository URLs must now be changed through the Change Repository URL Wizard.
  - 37762 - All repositories, queries, and tasks are now presented in the Sync Tasks view. The Task Repositories view is no longer available.
  - 36988 - The contents of error notification emails can now be configured.

- 36803 - Value mappings can be generated automatically between values which are similar by clicking the suggest button.
- 36802 - Unmapped values are highlighted in yellow in the caster's ui and implicit mappings are shown as grey and italicized.
- 36607 - The Error Log view can now be opened via a menu option in the toolbar dropdown menu.
- 36593 - The Web Link caster is now available for use via the mapping editor.
- 36586 - Support has been added for the migration of a synchronized project to another server.

· **Tricentis Tosca (SDK)**

- 36805 - All test cases in an Execution List can now be retrieved.

· **Web UI**

- 36604 - You can now clear synchronizations in the error queue from Web UI.