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## 4.8 Release Notes

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# Tasktop Sync Release Notes - 4.8.11

## Fixes

### Connector-Specific Fixes

#### CA Clarity PPM

- 56824: Fixed an issue where logging partition permission warning would cause a sync error.

## Features

### General

- 61345: Added patent information to Tasktop Sync

# Tasktop Sync Release Notes - 4.8.10

## Fixes

### Connector-Specific Fixes

#### Atlassian JIRA

- 59505: Fixed error that occurred during JIRA authentication.

# Tasktop Sync Release Notes - 4.8.9

## Fixes

### Connector-Specific Fixes

#### Rally

- 59443: Fixed an issue where the project field of CA Agile would give an error stating that project name is not a mapped option.
- 59429: Fixed an issue where some CA Agile Central single/multi select fields did not have all options available.

# Tasktop Sync Release Notes - 4.8.8

## Fixes

### Connector-Specific Fixes

#### HP ALM

- 56807: Fixed an issue where link retrieval failed on changing total number of records.

#### ThoughtWorks Mingle

- 56812: Fixed an issue where duplicate comments were being returned when using the connector with the latest version of Mingle on demand.

# Tasktop Sync Release Notes - 4.8.7

## Fixes

### Connector-Specific Fixes

#### VersionOne

- 56722: Fixed an issue where the PlannedEnd and PlannedStart fields weren't in the schema.

# Tasktop Sync Release Notes - 4.8.6

## Upgrade Notes

### Connector-Specific Upgrade Notes

#### Microsoft Team Foundation Server

- 51491: The required version of Team Foundation Server SDK for Java has changed from 12.0.2 to 14.0.2.

## Fixes

### Sync Fixes

- 55400: Fixed an issue where script validation caused performance issues in Sync Studio UI.

### Connector-Specific Fixes

#### Atlassian JIRA

- 56022: Fixed a problem when retrieving a Jira artifact with unsupported writeable fields.

#### CA Clarity PPM

- 55616: Fixed an issue where the CA Clarity connector could hang when retrieving fields with a very large set of options.

#### HP ALM

- 55319: Fixed an issue where HPE ALM Test Sets would display an incorrect location.

#### Jama

- 55812: Fixed an issue where Jama items without names could not be retrieved.

#### Microsoft Team Foundation Server

- 51491: Fixed an issue where date based favorite queries return no result.

#### Taucraft Targetprocess

- 56016: Fixed an issue where Money custom fields caused an error.
- 55905: Fixed an issue where the "Query by Team" search could not be set up in Taucraft Targetprocess.
- 55343: Fixed an issue where URI fields in Taucraft Targetprocess could not be synchronized.



- 55342: Fixed an issue in which TargetProcess would fail to retrieve attachments that had missing or empty descriptions.

# Tasktop Sync Release Notes - 4.8.5

## Fixes

### Sync Fixes

- 55318: Fixed an exception that happened in filtered task link synchronizing when a linked task falls out of task mapping scope.

### Connector-Specific Fixes

#### Atlassian JIRA

- 53731: Fixed an issue where the JIRA connector did not retrieve VWL options for a closed issue.

#### HPE ALM Octane

- 54318: Fixed an issue where upgrading to the newest version would cause errors.

#### Serena Business Manager

- 55502: Fixed an issue where the Task-Link-To-Web-Link caster caused a null pointer exception when retrieving a Key from the related item.
- 54959: Fixed an issue where SBM custom field of type Single Relation with a value reported no value.

# Tasktop Sync Release Notes - 4.8.4

## Fixes

### Connector-Specific Fixes

#### Atlassian JIRA

- 54969: Fixed the retrieval of attachments from Atlassian JIRA OnDemand.

#### HP ALM

- 54427: Fixed an issue where data integrations would take a long time processing artifacts with a complex folder structure.
- 54701: Fixed an issue in HP ALM connector where some URL attachment based web links would display missing or incorrect URLs.

#### Jama

- 54761: Fixed an issue where some server-side exceptions were being reported with confusing messages.

#### Taucraft Targetprocess

- 54834: Fixed an issue that caused a "missing model type" attachment conversion error.

# Tasktop Sync Release Notes - 4.8.3

## Fixes

### Sync Fixes

- 54502: Resolved an issue caused by a missing task id in the database during post installation schema migration.
- 54009: Resolved issue migrating old, invalid tasks during post installation.

### Connector-Specific Fixes

#### HP ALM

- 54316: Fixed an issue in the HP ALM connector where sometimes attachments were incorrectly being treated as web links.

#### Jama

- 54423: Fixed an issue where the Jama connector failed to update relationships on locked artifacts.

# Tasktop Sync Release Notes - 4.8.2

## Fixes

### Sync Fixes

- 53626: Changes made by chained transitions are ignored before the final transition.

### Connector-Specific Fixes

#### HP ALM

- 53454: Fixed an issue where Test Configuration parent Tests were not being checked out.

#### Jama

- 53755: Fixed an issue where locked items were causing all items being synchronized to go into pending state
- 53326: Fixed an issue where item types that contained fields already on the Core type could not be synchronized.

#### Leankit

- 53814: Fixed handling of LeanKit repositories that don't support custom fields.

#### Microsoft Team Foundation Server

- 53118: Fixed memory consumption issues with the TFS SDK.

#### Planview

- 53810: Fixed an issue where Effort fields could not be retrieved.

# Tasktop Sync Release Notes - 4.8.1

## Upgrade Notes

### Connector-Specific Upgrade Notes

#### Microsoft Project Server

- 40885: Sync configurations using the Microsoft Project Server Connector no longer need to restrict worker-threads to 1.

## Fixes

### Sync Fixes

- 52621: Fixed an issue where Tasktop Sync was unable to sync an item to another system when the comment was too long.
- 52518: Fixed an issue causing status transition caster errors during proxy creation for connectors which have the status field on the creation scheme.

### Connector-Specific Fixes

#### HP ALM

- 53137: Fixed an issue where comments with no header couldn't be retrieved.

#### Rally

- 53004: Fixed an issue in Portfolio Item in Rally that affected subtask creation.

#### Tricentis Tosca

- 49537: Fixed an issue causing poor performance when querying Tosca.

# Tasktop Sync Release Notes - 4.8.0

## Upgrade Notes

### Upgrading from the previous version of Sync

#### Upgrade Notes

#### Upgrading from the Previous Version of Sync

- Tasktop Sync has a new install wizard which will prompt all necessary configuration during install.

#### Connector-Specific Upgrade Notes

- HPE ALM (SDK)
  - The Linked Test Runs field was once populated but has not been populated since support for linked Test Runs was added in the Linked Entities field. The Linked Test Runs field has now been removed. Customers who had previously mapped the Linked Test Runs field will need to add the Linked Entities field to mappings that don't already include it.
  - Mappings for tests and test sets that include the Subject (TS\_SUBJECT) or the Test Set Folder (CY\_FOLDER\_ID) attributes will need to be remapped if the mapping relied on the name of the Subject or Test Set Folder.
- Rational Doors NextGen
  - Schema refresh is required for all Rational Doors NextGen repositories.
- iRise
  - Schema refresh is required for all iRise repositories.
- Jama
  - Schema refresh is required for all Jama repositories.
- Leankit
  - Schema refresh is required for all Leankit repositories in order to get the renamed field labels.
- Microsoft Team Foundation Server (SDK)
  - Schema refresh is required for all TFS repositories in order to get all the available options to show up.
  - No migration is required for customers having previous artifacts synced from an on-demand server. Where the Location field is included in a mapping, proxy artifacts may be unexpectedly updated when non-mapped TFS field values are updated. A TFS artifact's Location field will not update to the correct URI until changes are detected in the TFS artifact.
- Rally (SDK)
  - Some HTML fields have been changed to plain text fields. After refreshing repository schema field values will not be rendered as HTML as they were previously. Mappings may need to be updated.

- Any customer upgrading from 4.7.1 and higher and has used the project scoped query with an “owner” choice populated, will have to recreate this query. This will not affect customers upgrading from earlier than 4.7.1
- ServiceNow Service Desk
  - Fields referencing the User (sys\_user), User Groups (sys\_user\_group), and Configuration Item (cmdb\_ci) tables now have “Fast Reference Field Support” enabled by default. This means that integrations relying on explicit internal value mappings for the options of these fields may continue to work but will not provide labels or be editable. To restore full support (and value mapping capability) for these fields ensure that their field names (not labels) are explicitly added to the ‘Full Reference Field Support’ list in the repository settings.

## Connector-Specific Upgrade Notes

### HP ALM

- 51806: The Linked Test Runs field was once populated but has not been populated since support for linked Test Runs was added in the Linked Entities field. The Linked Test Runs field has now been removed. Customers who had previously mapped the Linked Test Runs field will need to add the Linked Entities field to mappings that don’t already include it.
- 48104: Mappings for tests and test sets that include the Subject (TS\_SUBJECT) or the Test Set Folder (CY\_FOLDER\_ID) attributes will need to be remapped if the mapping relied on the name of the Subject or Test Set Folder.

### IBM Rational Requirements Composer

- 49629: Schema refresh is required.

### Jama

- 51532: Users will need to refresh schema.

### Leankit

- 48047: Users will need to update their schema in order to get the renamed field labels.

### Microsoft Team Foundation Server

- 51851: Refreshing the schema might be necessary in order to get all the available options to show up.
- 51526: No migration is required for customers having previous artifacts synced from an on-demand server. Where the Location field is included in a mapping, proxy artifacts may be unexpectedly updated when non-mapped TFS field values are updated. A TFS artifact’s Location field will not update to the correct URI until changes are detected in the TFS artifact.

### Rally



- 52223: Some HTML fields have been changed to plain text fields. After refreshing repository schema field values will not be rendered as HTML as they were previously. Mappings may need to be updated.
- 48862: Any customer upgrading from 4.7.1 and higher and has used the project scoped query with an “owner” choice populated, will have to recreate this query. This will not affect customers upgrading from earlier than 4.7.1

## ServiceNow Service Desk

- 49299: Fields referencing the User (sys\_user), User Groups (sys\_user\_group), and Configuration Item (cmdb\_ci) tables now have “Fast Reference Field Support” enabled by default. This means that integrations relying on explicit internal value mappings for the options of these fields may continue to work but will not provide labels or be editable. To restore full support (and value mapping capability) for these fields ensure that their field names (not labels) are explicitly added to the ‘Full Reference Field Support’ list in the repository settings.

## iRise

- 47902: iRise schema has to be refreshed after upgrade to ensure schema is up to date.

# 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 & 7 (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-u91.

## 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

- 52486: Fixed an issue where filtered task link synchronization was not filtering links to non-mapped tasks.
- 51201: All invalid editors will be closed during startup.

- 50627: Fixes an issue where invalid cached data would be cause an error during a workspace upgrade
- 49769: Repository schema generation will now examine tasks in all projects within a task mapping.
- 48960: Fixed an issue where error messages created unusably large log files.
- 48915: Resolved issue of repeatedly asking for schema migration for invalid repositories not needing migration.
- 48863: Non-required external value mapping properties files will no longer result in a configuration error when missing.
- 48627: Proxy associations with URL hyphens will now be correctly identified.

## Connector-Specific Fixes

### Atlassian JIRA

- 49915: Fixed an issue where content in the description field longer than 32,767 bytes caused synchronization failures.
- 49815: Fixed an issue where Jira Agile fields failed to synchronize with the error "must not redefine field template"
- 49627: Improved handling of errors related to accounts locked with Captcha.
- 49535: Fixed an issue where sprint names with commas were truncated.
- 48613: Atlassian JIRA connector now supports Zephyr Test Executions in versions of JIRA earlier than 7.0.

### HP ALM

- 51806: Removed an artifact field (Linked Test Runs) that was not being populated due to an earlier change.
- 51220: Fixed an issue where unexpected field value could not be processed.
- 40411: Fixed an issue where '%' character was not supported in attachment filenames.

### IBM Rational DOORS

- 50803: Fixed an issue where modified date in the connector was different than what was shown in DOORS.
- 50304: Fixed an issue where sending an empty value in a single select field caused an error.
- 48520: Accessing a module with a DXL-based attribute returning an empty string no longer throws an error.
- 47427: IBM DOORS connector now supports bulleted list items with angle brackets.

### IBM Rational Requirements Composer

- 49629: Fixed an issue where location field contained incorrect value.

### IBM Rational Requisite Pro

- 48918: Fixed an issue where connector had poor performance synchronizing items.

### IBM Rational Team Concert

- 52109: Fixed an issue where the RTC connector did not properly support enumerations with External Values defined.

## **Jama**

- 51532: Fixed an issue where test case steps were being erased when using the REST version of the connector.
- 51028: Fixed an issue where Test Cases with Test Steps could not be retrieved.
- 51019: Fixed an issue where Last Activity Date was not appearing in the schema.
- 47649: Improved error message when APIs are disabled or account is locked.
- 47430: Jama REST Client can detect read-only custom fields.

## **Microsoft Project Server**

- 49734: Fixed an issue with updates to custom fields.
- 40868: Fixed an issue where start date and finish date could not be set to the same day.

## **Microsoft Team Foundation Server**

- 51851: Fixed an issue where fields with rules don't show available options and cannot add new values.
- 51526: Fixed an issue where the Location field's URI was incorrect for on-demand servers.
- 51491: Fixed an issue where no results are returned when a date is used in query filter.
- 48228: Fixed issue that prevented the Microsoft Visual Studio Team Services connector from returning changeset links.

## **Rally**

- 52414: The Index field of CA Agile Central Task artifacts is no longer required, defaults to zero, and is hidden in the application.
- 52223: Fields in CA Agile Central that can contain HTML but are not always displayed in the UI as HTML are now represented as plain text fields.
- 50710: Fixed an issue where attachments greater than 5 MB could not be synchronized into Rally /CA Agile versions that support attachments up to 50MB in size.
- 48862: Fixed an issue where duplicate options were causing an error in Rally Project scoped search.
- 45447: Rally attachment URL now points to the attachment itself.
- 16920: More descriptive Schedule State error message is given to the user.

## **Serena Dimensions RM**

- 47742: Improved support for person attributes.

## **ServiceNow Service Desk**

- 51533: Fixed an issue with ServiceNow Service Desk reference field options having incorrect labels.
- 49299: Fixed a performance issue in systems with large volumes of referenced data by adding a new "Fast Reference Field Support" feature.
- 49202: Fixed an issue where creating new queries of type 'By Filter' caused null pointer exceptions.

## Sparx Systems Enterprise Architect

- 51573: Sparx EA connector now supports MS SQL encrypted database connection strings.
- 45951: Fixed an issue where Sparx EA processes that were not ended correctly caused memory issues.

## Tricentis Tosca

- 52498: Tosca custom string fields support line breaks.
- 51121: Fixed an issue where changes made to one workspace that uses the same repository as a second workspace were not being detected in the second workspace.
- 50211: Fixed an issue where issue sub-folders were not retrieved under certain circumstances.

## VersionOne

- 51230: Fixed an issue creating artifacts in 'Any Project' container.

## iRise

- 49827: Fixed an issue where clearing person fields caused an error when retrieving an item in the application.
- 49633: Chapter links that refer to the default chapter are no longer retrieved.

# Features

## General

- 49778: Attribute proxy stores can now be configured to use attributes identified through label.
- 48043: OSLC queries support connector schema migration during workspace upgrade.

## Microsoft Project Server

- 48131: Added read-only support for 'Notes', 'Outline Position', 'Outline Level', and 'Work Breakdown Structure' task fields.

## Server

- 46416: Task mapping conditionals can be constructed using attribute-label and value-label to reference attributes and value options by label.

## Studio

- 48404: Installation upgrade startup tasks are now handled in one post installation wizard.
- 46419: Individual synchronized task pairs can be configured so that new changes will not be synchronized from the Sync Tasks view, the Web UI, or the dashboard Error Queue.