# 20.3 Release Notes

To learn about the differences between Continuous Delivery and Long Term Support, click here.

⭐ indicates major quarterly release

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- Tasktop Release Notes - 20.3.0.20200402-b1124
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# Tasktop Release Notes - 20.3.0.20200331-b1122

*Posted: April 02, 2020*

- Micro Focus ALM Octane
- Planview PPM Pro
- Polarion ALM
- ServiceNow
- SmartBear QAComplete

# Upgrade Notes

## Tasktop Integration Hub Upgrade Notes

### Integrations

- 103915: If comment flows are corrupted due to an upgrade, they must be manually deleted and re-added.

## Connector-Specific Upgrade Notes

### Micro Focus ALM Octane

- 100269: If Octane defects have been integrated in Hub from Octane v12.60.41 or later, please work with Customer Success or Support prior to upgrading to clean up artifact data in Tasktop to prevent errors during the upgrade process.

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- 103755: If the Scheduled Resources string field was previously mapped, it will need to be remapped as a multi-person field.

# Fixes

## Tasktop Integration Hub Fixes

### Activity & Issues

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- 103653: Fixed an issue where using an extension for artifacts with many relationships caused slowed performance.
- 103045: Ignored errors will no longer retry automatically.
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### Artifact Filtering

- 100642: Fixed an issue where the mappings in a collection were inaccessible due to an invalid field in a field mapping.

### Collections

- 103264: Fixed an issue where text was sometimes not completely visible when hovering over a value in a field value mapping.

## Container Synchronization
- 103675: Fixed an issue where the collections of a Container + Work Item synchronization integration were not displayed properly.

## Extensions
- 103661: Fixed an issue where creating an error within an extension caused an additional error to appear in Tasktop Integration Hub, replacing the original error message.

## Infrastructure
- 103451: By default, Tomcat and metrics logs now only include the last 14 days and can be configured manually. Additionally, Tomcat logs are no longer included when downloading the Support and Usage Report on Hub Cloud.
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## Integrations
- 103978: Fixed an issue where deleting single select options from a model used for conditional routing would break all the conditional routes.
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- 103912: Fixed an issue where unintended full scans were sometimes triggered upon using the 'Initiate Synchronization' feature.
- 103674: Fixed an issue where an integration incorrectly listed comments/attachments as not supported while the page was loading.
- 103205: Users will now receive a message on the Comment Flow screen when a previously configured comment flow is no longer supported due to a repository change.
- 103112: Fixed an issue where options without labels were displayed on the 'Initiate Synchronization' dialog.

## Operational Database
- 103983: An error will now appear when a tasktop-db.json file cannot be read.

## Twinless Artifact Update
- 103648: Removed events will now display the source artifact, if available.

## Work Item Synchronization
- 104161: Fixed an issue where conditional routing options expanded beyond the picker.
- 103954: Improved the performance of change detection in Tasktop Integration Hub.

# Connector-Specific Fixes

## Atlassian Jira

- 103257: Time tracking fields in Jira can now be synchronized when only the 'Original Estimate' field is mapped.
- 103215: Fixed an issue where the Service Desk API was used to list projects without checking for an enabled Service Desk license.
- 102306: Fixed an issue that prevented some artifacts containing rich text tables from synchronizing into Jira.
- 96777: Fixed an issue where multiple "-" characters in rich text fields were synchronized as horizontal lines.

## BMC Remedy

- 102732: Fixed an issue that prevented BMC Remedy Problem and Change updates from synchronizing if any of the Site, Site Group, Region, or Location Company fields were not set.

## GitHub Issues

- 103512: When creating a new repository connection for GitHub in Tasktop Integration Hub, the Username and Password fields are now marked as required.

## GitLab Issues

- 101202: Fixed an issue where descriptions in GitLab were not properly formatted after synchronizing.

## IBM Rational Team Concert

- 103787: Fixed an issue that caused some links to clear out when RTC artifacts were updated.

## Jama

- 104050: Fixed an issue where enabling 'Use SOAP API' in Jama caused collection setup errors.
- 103967: Fixed an issue where invalid XML characters caused an error in Jama SOAP.
- 103410: Fixed an issue that caused 'Connection pool shut down' errors in the log when using SOAP API.

## Micro Focus ALM

- 103513: Fixed an issue where Micro Focus ALM artifacts with IDs over 999,999,999 were considered invalid.

## Micro Focus ALM Octane

- 103518: When creating a new repository connection for MicroFocus ALM Octane in Tasktop Integration Hub, the Username and Password fields are now marked as required.

## Microsoft Azure DevOps Server (TFS)

- 103566: Fixed an issue where the Azure DevOps (TFS) connector did not handle default person field values.

## Microsoft Project Server

- 103756: Microsoft Project Server connections now properly detect session expiry instead of failing with permission errors.
- 103622: Fixed an issue where Microsoft Project Server jobs were not completed in time due to write operations of the connector.

## Microsoft Sharepoint

- 103379: Fixed an issue where list renaming, web address customization, and list creation with special characters caused incorrect artifact location.

## ServiceNow

- 103393: Fixed an issue where "Summary" fields in ServiceNow caused an error.
- 98760: ServiceNow repository connections can now be configured using Script (HTTP cookies) authentication.

# Features

# Tasktop Integration Hub Features

## Collections

- 96901: The sash containing the connect button will now remain at the top of the screen when scrolling down on the option mapping screen.

## Misc

- 100561: Introduced a description textbox to the Integration, Collection, and Model screens.

# Connector-Specific Features

## Atlassian Jira

- 102581: Improved the error message when attempting to create a Collection with a Jira project that the user was not authorized to access.

## codeBeamer ALM

- 104044: Added a new repository location field for the REST API Endpoint.
- 101886: Added read-only support for the Predecessor and Successor fields in codeBeamer ALM.

## Micro Focus ALM Octane

- 103347: Added support for the Steps and Scripts fields in Micro Focus ALM Octane.

- 100269: If defects are moved from one workspace to another within a shared space, any subsequent changes will now be synchronized to the same artifact in the paired repository.

## Planview PPM Pro

- 103755: The 'Scheduled Resources' string field has been replaced by a multi-person field.

## Polarion ALM

- 103855: Added support for Polarion ALM version 19.1.
- 102045: Added support for Polarion ALM version 19.3.
- 101170: Added support for Polarion ALM version 19.2.
- 95626: Added support for Polarion ALM version 19.

## ServiceNow

- 102549: Added support for ServiceNow Orlando.

## SmartBear QAComplete

- 103250: Agile Tasks are now supported.

# Tasktop Release Notes - 20.3.0.20200402-b1124

*Posted: April 03, 2020*

## Fixes

### Tasktop Integration Hub Fixes

#### Misc

- 104390: The Integration, Collection, and Model description boxes are no longer horizontally resizable.

### Connector-Specific Fixes

#### Micro Focus ALM Octane

- 103834: Fixed an issue where inactive spaces caused an error when listing workspaces.

## Features

### Tasktop Integration Hub Features

#### Work Item Synchronization

- 101711: Users can now configure conditional field flows for synchronization integrations.

# Tasktop Release Notes - 20.3.0.20200507-b1160

*Posted: May 08, 2020*

- Upgrade Notes
    - Connector-Specific Upgrade Notes
        - General (Services)
        - Micro Focus ALM Octane
        - Microsoft Project Server
- Fixes
    - Tasktop Integration Hub Fixes
        - Activity & Issues
        - Logging
        - Operational Database
        - Product Upgrades
        - Work Item Synchronization
    - Connector-Specific Fixes
        - Atlassian Jira
        - BMC Remedy
        - Micro Focus ALM
        - Micro Focus ALM Octane
        - Microsoft Project Server
        - Planview Enterprise
        - Planview PPM Pro
        - Polarion ALM
        - QASymphony qTest Manager
        - ServiceNow
        - Sparx Systems Pro Cloud Server
- Features
    - Connector-Specific Features
        - Atlassian Jira
        - Blueprint
        - BMC Remedy
        - codeBeamer ALM
        - Micro Focus ALM Octane
        - Planview Enterprise
        - Sparx Systems Pro Cloud Server
        - Tricentis Tosca

## Upgrade Notes

# Connector-Specific Upgrade Notes

## General (Services)

- 104582: The following repository versions are available for Tasktop's extended support until the End-of-Life date indicated on the Repository Versions: End-of-Life Dates and Extended Support page. If you are interested in extended support, please reach out to your Tasktop contact.

  - Atlassian Jira (Software & Core) - 7.8, 7.9
  - Atlassian Jira Service Desk - 3.7, 3.8, 3.9
  - BMC Remedy - 9.0
  - CA PPM - 15.4, 15.4.1
  - GitLab Issues - 9.0, 9.1, 9.2, 9.3, 9.4, 9.5
  - Jama Connect - 8.15, 8.16, 8.17, 8.18, 8.19, 8.20, 8.21, 8.22, 8.23, 8.24, 8.25
  - Micro Focus PPM - 9.30, 9.31, 9.32
  - Polarion ALM - 2014, 2014 SR1, 2014 SR2, 2014 SR3, 2015, 2015 SR1, 2015 SR2, 2015 SR3, 2016, 2016 SR1, 2016 SR2, 2016 SR3, 17, 17.1, 17.2, 17.3, 18, 18.1, 18.2, 18.3
  - PTC Windchill RV&S (Formally PTC Integrity) - 10.8, 10.9
  - ServiceNow - London
  - VersionOne - 19.0 (Winter 2019), 19.1 (Spring 2019)

  Please reach out to your Tasktop contact if you are currently on one of the aforementioned versions and they will be able to guide you accordingly.

## Micro Focus ALM Octane

- 100269: If Octane defects have been integrated in Hub from Octane v12.60.41 or later, please work with Customer Success or Support prior to upgrading to clean up artifact data in Tasktop to prevent errors during the upgrade process.

## Microsoft Project Server

- 104277: Date fields flowing out of Microsoft Project Server will be re-synchronized on the first full scan triggered after upgrading.

# Fixes

## Tasktop Integration Hub Fixes

## Activity & Issues

- 104402: Fixed an issue where the "services restart is taking longer than expected" issue was not cleared after a successful restart.

## Logging

- 105414: Fixed an issue where troubleshooting logs did not provide enough information to troubleshoot repository specific issues.
- 98434: If you are using Tasktop Integration Hub on Linux, running "kill -3" will now cause a thread dump to be written to logs/catalina.out.

## Operational Database

- 103976: Fixed an issue where Tasktop Integration Hub sometimes stopped running when it was unable to connect to the external database, and configuration changes were made.

## Product Upgrades

- 104941: Fixed an issue where an error that occurred during configuration validation halted all processing.

## Work Item Synchronization

- 104830: Fixed an issue where the cache sometimes took a long time to flush and blocked processing when configuration changes were made.

# Connector-Specific Fixes

## Atlassian Jira

- 105089: Fixed an issue where the Jira connector mistakenly treated authenticated connections with seraph headers as anonymous.
- 104856: Added Legacy Basic authentication method for Atlassian Jira.
- 104525: Improved the error message for an error that occurred after a custom JQL plugin was uninstalled from a Jira instance while using Jira filters.
- 103220: Fixed an issue where searches used a statically defined field name for Jira Cloud Service Desk artifacts.

## BMC Remedy

- 104539: Fixed an issue where BMC Remedy internal users were mistakenly retrieved.
- 104538: Improved the performance of list field options calls.
- 104230: Improved the performance of listing options for categorization tier fields.

## Micro Focus ALM

- 103956: Improved performance in Micro Focus ALM when retrieving container link fields.
- 103377: Fixed an issue where comment creation dates were inaccurate.

## Micro Focus ALM Octane

- 105092: Fixed an issue where migration code made a request referencing a missing Octane shared space.

## Microsoft Project Server

- 104277: Fixed an issue where dates synchronized into Microsoft Project Server were sometimes one day off.

## Planview Enterprise

- 102221: Fixed an issue where certain Planview custom fields did not appear in Tasktop Integration Hub.

## Planview PPM Pro

- 104793: Fixed an issue where fields without a label caused an error.

## Polarion ALM

- 105064: Fixed an issue where artifact types were not listed.

## QASymphony qTest Manager

- 104827: Fixed an issue where integrations failed due to denied permissions while listing qTest users.

## ServiceNow

- 104846: Fixed an issue where catalog value handling was missing a catalog item.
- 104299: Fixed an issue where fields of type String (Full UTF-8) did not appear in field mappings.

## Sparx Systems Pro Cloud Server

- 102916: Fixed an issue where resources with multiple stereotypes would only return one stereotype in the Sparx Pro Cloud Stereotype field.

# Features

# Connector-Specific Features

## Atlassian Jira

- 104372: Archived issues in Jira will now be treated the same way as deleted artifacts.
- 104254: Added support for Atlassian Jira 8.8.
- 102038: Added support for Atlassian Jira version 8.6.

## Blueprint

- 102931: Added support for Blueprint version 11.0 and Storyteller version 5.0.

## BMC Remedy

- 101177: Added support for BMC Remedy version 19.11.

## codeBeamer ALM

- 103733: Added support for requirement ordering in codeBeamer 10.0.0+.
- 103630: Added support for codeBeamer version 10.0.

## Micro Focus ALM Octane

- 104713: Added support for Micro Focus ALM Octane version 15.0.40.
- 101182: Added support for Micro Focus ALM Octane version 15.0.46.
- 100269: Changes to Octane defects that have been moved from one workspace to another within a shared space can now be synchronized to another repository with appropriate routing. Please work with Customer Success or Support for further details.

## Planview Enterprise

- 101175: Added support for Planview Enterprise One version 18.

## Sparx Systems Pro Cloud Server

- 104850: Class type artifacts are now supported.

## Tricentis Tosca

- 103850: Added support for Tricentis Tosca version 13.1.
- 102501: Added support for Tricentis Tosca version 13.0.

# Tasktop Release Notes - 20.3.0.20200520-b1175

*Posted: May 21, 2020*

- Fixes
    - Tasktop Integration Hub Fixes
        - Misc
    - Connector-Specific Fixes
        - Atlassian Jira
        - codeBeamer ALM
        - Planview PPM Pro
        - ServiceNow
- Features
    - Tasktop Integration Hub Features
        - Misc

# Fixes

## Tasktop Integration Hub Fixes

### Misc

- 105588: Fixed an issue where the Integration screen redirect sometimes did not work.

## Connector-Specific Fixes

### Atlassian Jira

- 104917: Fixed an issue that prevented status updates on issues in Jira projects that shared the same project key and label.

### codeBeamer ALM

- 105566: Fixed an issue where collection searches in codeBeamer 9.2.0+ did not return more than 100 artifacts.

### Planview PPM Pro

- 105550: Fixed an issue where retrieving an item with a deleted resource set caused an error.

### ServiceNow

- 105428: Fixed an issue where ServiceNow query sorting sometimes resulted in updates not being detected when many artifacts shared a modification date.

# Features

## Tasktop Integration Hub Features

### Misc

- 100591: Added a list view to the State Transition screen.

# Tasktop Release Notes - 20.3.0.20200525-b1180

*Posted: May 26, 2020*

# Upgrade Notes

## Connector-Specific Upgrade Notes

### Micro Focus ALM Octane

- 105072: The users who are currently synchronizing the 'Steps' field as a String for Manual Tests should select the 'Treat As String' option for the 'Test Step Handling' field on the Octane Repository Connection screen.

### Planview Enterprise

- 105190: A number of existing labels may need to be updated for 'Alternative' type fields in Planview. These are used to represent the multi-value fields available in Planview. If the user is using any of these field labels for a mapping, they will need to be updated.

  The changes ensure the field label seen by the end user in the Planview GUI is the same as the one seen in Hub. Only the parent label will be updated. None of the options for the multi-value selects should change.

  A small number of default fields may need to be updated. Details for specific versions are listed below.

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  Planview 17 Providing Org -> Providing Organization Release Breakdown -> Releases

  Planview 16 Providing Org -> Providing Organization Release Breakdown -> Releases

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Customers may also need to update fields that meet the following criteria:
• Field is of type 'Alternative'
• In the Administration > Manage attributes view: The attribute's name is between the edit screen and the default view. By default this will not occur and a screenshot is attached to the ticket.

# Features

## Connector-Specific Features

### Micro Focus ALM Octane

- 105072: Manual Test Steps on Octane are now supported as a 'Test Steps' field.

### Planview Enterprise

- 105190: Added support for a sub-section of 'Display at PPL only' fields. All custom user fields are now supported.

# Tasktop Release Notes - 20.3.2

- Upgrade Notes
    - Tasktop Integration Hub Upgrade Notes
        - Integrations
    - Connector-Specific Upgrade Notes
        - General (Services)
        - Micro Focus ALM Octane
        - Microsoft Project Server
        - Planview Enterprise
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        - Activity & Issues
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- 100642: Fixed an issue where the mappings in a collection were inaccessible due to an invalid field in a field mapping.

## Collections

- 103264: Fixed an issue where text was sometimes not completely visible when hovering over a value in a field value mapping.

## Container Synchronization

- 106996: Fixed an issue where artifacts were created without relationship or container fields when those fields were only writable upon creation.

- 106919: Fixed an issue where container matching failed due to the source container missing from its container hierarchy.
- 103675: Fixed an issue where the collections of a Container + Work Item synchronization integration were not displayed properly.

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## Twinless Artifact Update

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- 103257: Time tracking fields in Jira can now be synchronized when only the 'Original Estimate' field is mapped.
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- 104538: Improved the performance of list field options calls.
- 104230: Improved the performance of listing options for categorization tier fields.
- 102732: Fixed an issue that prevented BMC Remedy Problem and Change updates from synchronizing if any of the Site, Site Group, Region, or Location Company fields were not set.

## codeBeamer ALM

- 105566: Fixed an issue where collection searches in codeBeamer 9.2.0+ did not return more than 100 artifacts.

## GitHub Issues

- 103512: When creating a new repository connection for GitHub in Tasktop Integration Hub, the Username and Password fields are now marked as required.

## GitLab Issues

- 101202: Fixed an issue where descriptions in GitLab were not properly formatted after synchronizing.

## IBM Rational DOORS Next Generation

- 105615: Fixed an issue in DOORS Next where parsing list items with trailing spaces caused an error.

## IBM Rational Team Concert

- 103787: Fixed an issue that caused some links to clear out when RTC artifacts were updated.

## Jama

- 104050: Fixed an issue where enabling 'Use SOAP API' in Jama caused collection setup errors.
- 103967: Fixed an issue where invalid XML characters caused an error in Jama SOAP.
- 103410: Fixed an issue that caused 'Connection pool shut down' errors in the log when using SOAP API.

## Micro Focus ALM

- 106896: Fixed an issue where token expiry was not properly detected, which caused errors that blocked integrations.
- 103956: Improved performance in Micro Focus ALM when retrieving container link fields.
- 103513: Fixed an issue where Micro Focus ALM artifacts with IDs over 999,999,999 were considered invalid.
- 103377: Fixed an issue where comment creation dates were inaccurate.

## Micro Focus ALM Octane

- 105092: Fixed an issue where migration code made a request referencing a missing Octane shared space.
- 103518: When creating a new repository connection for MicroFocus ALM Octane in Tasktop Integration Hub, the Username and Password fields are now marked as required.
- 103834: Fixed an issue where inactive spaces caused an error when listing workspaces.

## Microsoft Azure DevOps Server (TFS)

- 103566: Fixed an issue where the Azure DevOps (TFS) connector did not handle default person field values.

## Microsoft Project Server

- 107139: Fixed an issue where Octane Test Step synchronization failed for multi-line description.
- 105683: Fixed an issue where writing a new user tag with the same name as an existing user tag caused an error.
- 104277: Fixed an issue where dates synchronized into Microsoft Project Server were sometimes one day off.
- 103756: Microsoft Project Server connections now properly detect session expiry instead of failing with permission errors.
- 103622: Fixed an issue where Microsoft Project Server jobs were not completed in time due to write operations of the connector.

## Microsoft Sharepoint

- 103379: Fixed an issue where list renaming, web address customization, and list creation with special characters caused incorrect artifact location.

## Planview Enterprise

- 105227: Options for the Integrated Status field of Planview worklogs can now be listed.
- 102221: Fixed an issue where certain Planview custom fields did not appear in Tasktop Integration Hub.

## Planview PPM Pro

- 105933: Fixed an issue where an error occurred when listing values for List fields with no available options.
- 105550: Fixed an issue where retrieving an item with a deleted resource set caused an error.
- 104793: Fixed an issue where fields without a label caused an error.

## Polarion ALM

- 105064: Fixed an issue where artifact types were not listed.

## QASymphony qTest Manager

- 104827: Fixed an issue where integrations failed due to denied permissions while listing qTest users.

## ServiceNow

- 105428: Fixed an issue where ServiceNow query sorting sometimes resulted in updates not being detected when many artifacts shared a modification date.
- 104846: Fixed an issue where catalog value handling was missing a catalog item.
- 104299: Fixed an issue where fields of type String (Full UTF-8) did not appear in field mappings.
- 103393: Fixed an issue where "Summary" fields in ServiceNow caused an error.
- 98760: ServiceNow repository connections can now be configured using Script (HTTP cookies) authentication.

## Sparx Systems Pro Cloud Server

- 102916: Fixed an issue where resources with multiple stereotypes would only return one stereotype in the Sparx Pro Cloud Stereotype field.

## Targetprocess

- 106833: Fixed an issue where a Sprint label mapped via extension script caused the TargetProcess Sprint name to be overwritten.

# Features

## Tasktop Integration Hub Features

## Collections

- 96901: The sash containing the connect button will now remain at the top of the screen when scrolling down on the option mapping screen.

## Misc

- 100591: Added a list view to the State Transition screen.
- 100561: Introduced a description textbox to the Integration, Collection, and Model screens.

## Test Management

- 104487: Tasktop Integration Hub can flow fields from other artifacts related to the artifact being processed.

## Work Item Synchronization

- 107072: Added support for synchronizing Octane Test Runs with Micro Focus ALM Test Runs.
- 101711: Users can now configure conditional field flows for synchronization integrations.

# Connector-Specific Features

## Atlassian Jira

- 104372: Archived issues in Jira will now be treated the same way as deleted artifacts.
- 104254: Added support for Atlassian Jira 8.8.
- 102581: Improved the error message when attempting to create a Collection with a Jira project that the user was not authorized to access.
- 102038: Added support for Atlassian Jira version 8.6.

## Blueprint

- 102931: Added support for Blueprint version 11.0 and Storyteller version 5.0.

## BMC Remedy

- 101177: Added support for BMC Remedy version 19.11.

## codeBeamer ALM

- 104044: Added a new repository location field for the REST API Endpoint.
- 103733: Added support for requirement ordering in codeBeamer 10.0.0+.
- 103630: Added support for codeBeamer version 10.0.
- 101886: Added read-only support for the Predecessor and Successor fields in codeBeamer ALM.

## IBM Rational DOORS

- 106555: - IBM Rational DOORS is now known as IBM Engineering Requirements Management DOORS Family.
    - IBM Rational DOORS Next Gen is now known as IBM Engineering Requirements Management DOORS Next.
    - IBM Rational Quality Manager is now known as IBM Engineering Test Management.
    - IBM Rational Team Concert is now known as IBM Engineering Workflow Management.

## IBM Rational DOORS Next Generation

- 106555: - IBM Rational DOORS is now known as IBM Engineering Requirements Management DOORS Family.

- IBM Rational DOORS Next Gen is now known as IBM Engineering Requirements Management DOORS Next.
- IBM Rational Quality Manager is now known as IBM Engineering Test Management.
- IBM Rational Team Concert is now known as IBM Engineering Workflow Management.
- 104844: Added support for IBM Engineering Requirements Management DOORS Next version 7.0.

## IBM Rational Team Concert

- 106555: - IBM Rational DOORS is now known as IBM Engineering Requirements Management DOORS Family.

    - IBM Rational DOORS Next Gen is now known as IBM Engineering Requirements Management DOORS Next.
    - IBM Rational Quality Manager is now known as IBM Engineering Test Management.
    - IBM Rational Team Concert is now known as IBM Engineering Workflow Management.

## Micro Focus ALM

- 105913: Added support for the Test Parameter field.

### Micro Focus ALM Octane

- 105072: Manual Test Steps on Octane are now supported as a 'Test Steps' field.
- 104713: Added support for Micro Focus ALM Octane version 15.0.40.
- 103347: Added support for the Steps and Scripts fields in Micro Focus ALM Octane.
- 101182: Added support for Micro Focus ALM Octane version 15.0.46.
- 100269: Changes to Octane defects that have been moved from one workspace to another within a shared space can now be synchronized to another repository with appropriate routing. Please work with Customer Success or Support for further details.

## Planview Enterprise

- 105190: Added support for a sub-section of 'Display at PPL only' fields. All custom user fields are now supported.
- 101175: Added support for Planview Enterprise One version 18.

## Planview PPM Pro

- 103755: The 'Scheduled Resources' string field has been replaced by a multi-person field.

## Polarion ALM

- 103855: Added support for Polarion ALM version 19.1.
- 102045: Added support for Polarion ALM version 19.3.
- 101170: Added support for Polarion ALM version 19.2.
- 95626: Added support for Polarion ALM version 19.

## ServiceNow

- 102549: Added support for ServiceNow Orlando.

## SmartBear QAComplete

- 103250: Agile Tasks are now supported.

## Sparx Systems Pro Cloud Server

- 104850: Class type artifacts are now supported.

## Tricentis Tosca

- 103850: Added support for Tricentis Tosca version 13.1.
- 102501: Added support for Tricentis Tosca version 13.0.

# Tasktop Release Notes - 20.3.3

*Posted: July 22, 2020*

# Upgrade Notes

## Connector-Specific Upgrade Notes

### VersionOne

- 106493: If you have an existing VersionOne integration, you will be required to complete the following steps upon upgrading:

    1. Before upgrading, you should make a note of what project is selected in each VersionOne collection.
    2. Run the Hub upgrade process for your installation.
        • This will upgrade all existing VersionOne collections from VWL Projects to Container link Projects
        • All existing integrations with a VersionOne collection will no longer work
        • There will be a notification in the activity monitor stating that the integration routing will need to be configured
    3. You do not need to update the existing collection.
        • Collections containing more than one project will now have duplicate projects. This can be resolved on the Activity screen by clicking the checkmark/resolve button on the duplicate project warning. This should resolve automatically and remove any duplicate projects.
    4. For each integration with a VersionOne collection, you will need to configure artifact routing for their required project.

5. As the existing artifact routing will no longer be valid, you will need to configure a new routing between each side.
6. To maintain functionality, you will need to select the same project that was used as the Project / Container that is selected to route from the VersionOne integration.
7. The integration will now run and scan each artifact in the relevant repository to ensure it is valid.

Note: Due to the way the search changes, a larger number of artifacts will be processed to determine if they are in the correct hierarchy. If they were incorrectly placed, there may be errors during processing.

# Fixes

## Tasktop Integration Hub Fixes

### Help

- 107092: Fixed an issue where downloading a Support and Usage Report caused a timeout before the download completed when a repository was offline.

### Integrations

- 107386: Fixed an issue where project specific filters were not applied to events generated from an artifact association import.
- 105650: Fixed an issue where cron expressions using numbers for the day of the week were not parsed correctly.

### Product Upgrades

- 107212: Upgraded tomcat to version 8.5.57 to address a security issue (CVE-2020-11996). [Security Fix]

### Twinless Artifact Update

- 105895: Fixed an issue where twinless artifact update failed to set single- or multi-select values that were added to the model after the artifact was last processed.

### Work Item Synchronization

- 106557: Fixed an error that occurred when a large number of artifacts were removed from a collection.

## Connector-Specific Fixes

### ServiceNow

- 106917: Fixed an issue where an incorrect error occurred when unable to retrieve a mapped relationship field.

## VersionOne

- 106493: When configuring artifact routing for integrations with either a Task or Test artifact in VersionOne, only the Container/Project route can be selected for inbound routing.

## WhiteHat Sentinel

- 107180: Fixed an issue where duplicate labels from WhiteHat Sentinel caused integration failures.

# Tasktop Release Notes - 20.3.4

*Posted: July 27, 2020*

- Fixes
  - Tasktop Integration Hub Fixes
    - Activity & Issues
    - Help
    - Misc
    - Operational Database
    - Product Upgrades

## Fixes

## Tasktop Integration Hub Fixes

### Activity & Issues

- 106428: Fixed an issue that caused resolved repository outages to block processing.

### Help

- 106554: Fixed an issue where downloading the Support and Usage Report failed if the master password was not initialized.

### Misc

- 107052: Fixed an issue where the UI of Tasktop Integration Hub would not load when a repository was not responding.

### Operational Database

- 107613: Fixed a deadlock error that occurred when using Derby.

### Product Upgrades

- 107492: Fixed an error that occurred when upgrading to Tasktop Integration Hub version 20.2.17 or later on Oracle 12.1.

# Tasktop Release Notes - 20.3.5

*Posted: August 06, 2020*

# Fixes

## Tasktop Integration Hub Fixes

### Artifact Relationship Management (ARM)
- 105063: Fixed an error that occurred when resolving relationships in a container integration.

### Collections
- 107805: Fixed an invalid mapping error that occurred after enabling Micro Focus ALM Octane test step flow.

### Container Synchronization
- 107638: Fixed an issue where artifacts were created without setting relationship or container fields when those fields were only writable upon creation and multiple artifact pairs existed for the relationship.

### Integrations
- 107879: Data migrations will now attempt to retry temporary errors before failing.

### Work Item Synchronization
- 106903: Added a consequence dialog on the Field Mapping screen when comments, attachments, or test steps fields become invalid. If an invalid mapping is saved, the field flow will be disabled for all associated integrations.

## Connector-Specific Fixes

### IBM Rational ClearQuest

- 107489: Fixed an issue where artifacts with many fields triggered a "Request URI too long" failure.

# Tasktop Release Notes - 20.3.6

*Posted: August 12, 2020*

# Fixes

## Tasktop Integration Hub Fixes

### Misc

- 108042: Fixed an issue where the pills for a field value did not display properly when the field allowed unmapped values to flow.

### Work Item Synchronization

- 108027: Fixed an issue where empty fields synchronized back to the source, which resulted in overwritten values during artifact creation.

## Connector-Specific Fixes

### IBM Rational ClearQuest

- 107489: Fixed an issue where artifacts with many fields triggered a "Request URI too long" failure.

### Zendesk

- 107210: Fixed a bug where retrieving tags using Zendesk Agent role would cause an error.

# Tasktop Release Notes - 20.3.7

*Posted: August 19, 2020*

## Fixes

## Tasktop Integration Hub Fixes

### Work Item Synchronization

- 107551: Fixed an issue where relationship fields configured with a "Upon Artifact Creation" field flow did not synchronize when the artifact was created.

## Connector-Specific Fixes

### Planview PPM Pro

- 108067: Fixed an issue where Planview PPM Pro synchronizations failed due to an invalid date format.

### Targetprocess

- 107032: Fixed an issue where synchronizations from Targetprocess failed due to relationships with unsupported artifact types.

### Tricentis Tosca

- 108025: Fixed an issue where a missing container ID caused a migration failure.

# Tasktop Release Notes - 20.3.8

*Posted: August 26, 2020*

# Fixes

## Tasktop Integration Hub Fixes

### Activity & Issues

- 108322: Fixed an issue where the errors REST API returned twice as many results as the requested page size.
- 108308: Improved the Activity Screen UI for long summary labels.

### Integrations

- 108411: Fixed an issue where the integration list did not display properly after merging an existing integration into a Container + Work Item Integration.

## Connector-Specific Fixes

### Atlassian Jira

- 107363: Improved performance when a type field contains an empty value.

### CA Agile Central (Rally)

- 108090: Fixed an issue where an attachment retrieval update caused attachments not to flow.

### Jama

- 106374: Fixed an issue where relevant details in an error response were not included in the error message.

### Tricentis Tosca

- 108001: Improved performance when listing containers (e.g., folders or sets).

# Features

## Tasktop Integration Hub Features

### Activity & Issues

- 107716: Ignored errors can now be configured to retry automatically.

# Tasktop Release Notes - 20.3.9

*Posted: September 02, 2020*

# Upgrade Notes

## Connector-Specific Upgrade Notes

### Micro Focus PPM

- 108181: If the Project field on a request was being mapped to send values out of PPM, it will need to be remapped to a relationship field.

# Fixes

## Tasktop Integration Hub Fixes

### Integrations

- 108165: Improved trace logging for test management artifacts that are filtered out.

### Operational Database

- 107671: Fixed an issue where integration migration background jobs failed due to database deadlocks caused by concurrent access to the ArtifactReference table for the same integration.

# Features

## Connector-Specific Features

### Micro Focus ALM

- 108518: Added 'dd-MMM-yy' and 'dd-MMM-yyyy' date format to the existing list of supported formats in Micro Focus ALM.

# Micro Focus PPM

- 108181: Added support for the Project field on Requests as a relationship field.

# Tasktop Release Notes - 20.3.10

*Posted: September 04, 2020*

# Upgrade Notes

## Connector-Specific Upgrade Notes

### Micro Focus PPM

- 108181: If the Project field on a request is mapped to send values out of PPM, it will need to be remapped to a relationship field.

# Fixes

## Connector-Specific Fixes

### Atlassian Jira

- 108403: Fixed an issue where comments in Jira were read-only if the Tasktop user did not have edit issues permissions.

### Jama

- 108803: Fixed an issue where an API response was not parsed properly.

### Micro Focus ALM

- 108225: Fixed an issue where the connector set an incorrect test-order value.
- 105617: Fixed an issue where linebreak and escaped characters were not parsed correctly in Micro Focus ALM and Jira.

# Features

## Connector-Specific Features

### Micro Focus PPM

- 108181: Added support for the Project field on Requests as a relationship field.

# Tasktop Release Notes - 20.3.11

*Posted: September 09, 2020*

# Fixes

## Connector-Specific Fixes

### Micro Focus ALM Octane

- 108312: Fixed an issue where writing a new user tag with the same name as an existing user tag caused an error.

# Tasktop Release Notes - 20.3.12

*Posted: September 15, 2020*

- Fixes
    - Connector-Specific Fixes
        - Atlassian Jira
        - Micro Focus PPM
- Features
    - Connector-Specific Features
        - Micro Focus PPM

# Fixes

## Connector-Specific Fixes

### Atlassian Jira

- 108861: Fixed an issue that occurred when parsing an API response with an empty value.
- 108398: Fixed an issue where a worklog value of 0 minutes could not be set.
- 105862: Fixed an issue where synchronizations failed for the 'Assigned Sprint' field for Jira onDemand.

### Micro Focus PPM

- 109055: Fixed an issue where items returned without fields caused an error.

# Features

## Connector-Specific Features

### Micro Focus PPM

- 77991: Added support for formatted ID search for Requests in Micro Focus PPM.

# Tasktop Release Notes - 20.3.13

*Posted: September 23, 2020*

## Fixes

## Tasktop Integration Hub Fixes

### Work Item Synchronization

- 108631: Improved UI performance when loading a collection's field mapping screen.

## Connector-Specific Fixes

### Tricentis Tosca

- 108450: Improved performance when retrieving artifacts in Tosca.

# Tasktop Release Notes - 20.3.14

*Posted: September 29, 2020*

# Upgrade Notes

## Connector-Specific Upgrade Notes

### Micro Focus PPM

- 109167: If you have any URL fields mapped in a Micro Focus PPM integration, they will need to be remapped as string fields.
- 109006: Fields using 'SQL-User' validations are no longer supported as read-only string fields. Upon upgrading, any mapped read-only string fields will need to be re-mapped as Person fields.

# Fixes

## Tasktop Integration Hub Fixes

### Tasktop Integration Hub

- 108378: Database optimizations to fix deadlocks seen on activity page

### Work Item Synchronization

- 109274: Fixed an issue where ignored errors failed upon retry with an unrelated error.

# Connector-Specific Fixes

## Atlassian Jira

- 108976: Fixed an issue where 1000+ groups in Jira were not all visible in the mapping and filtering UI.

## Micro Focus PPM

- 109167: Fixed an issue where values could not be retrieved for Micro Focus PPM URL fields.

## SmartBear QAComplete

- 109270: Fixed an issue where new read-only fields in QAComplete (12.6) incorrectly appeared as writeable and had the wrong field type on the artifact schema.

## VersionOne

- 108604: Fixed an issue where an unnecessary error appeared when a required field had an empty value upon artifact retrieval.

# SDK-Specific Fixes

## SDK

- 108999: Improved the performance of container integrations.

# Features

# Connector-Specific Features

## Micro Focus PPM

- 109006: The Micro Focus PPM connector now supports fields that use 'SQL-User' validations as Person fields.

# Tasktop Release Notes - 20.3.15

*Posted: October 05, 2020*

## Fixes

## Tasktop Integration Hub Fixes

### Work Item Synchronization

- 109485: Fixed an issue that prevented Tasktop Integration Hub from closing properly when email notifications could not be sent.

## Connector-Specific Fixes

### BMC Remedy

- 109110: Fixed an issue where artifact retrieval failed when comments were missing non-required fields.

### codeBeamer ALM

- 108387: Fixed an issue where synchronizing Codebeamer images in rich text values caused an error.

### QASymphony qTest Manager

- 109343: Improved performance when working with a large number of modules.

### Tricentis Tosca

- 109159: Fixed an issue where not all changes were detected when using a virtual folder search with Tosca.

### VersionOne

- 108684: Fixed an issue where a user with reduced project access could not retrieve the expected project tree(s).

# Tasktop Release Notes - 20.3.16

*Posted: October 15, 2020*

## Fixes

## Tasktop Integration Hub Fixes

### User Management

- 109915: Fixed an issue where the Keycloak h2 database could become corrupted following an upgrade.

### Work Item Synchronization

- 109766: Fixed an issue that prevented processing when a "Retry All" occurred.

## Connector-Specific Fixes

### Micro Focus ALM

- 109567: Fixed an issue where Micro Focus ALM artifacts could not be filtered by modification date.

## SDK-Specific Fixes

### SDK

- 109600: Fixed an issue where entries in the container cache were evicted without cause.

# Tasktop Release Notes - 20.3.17

*Posted: October 16, 2020*

# Fixes

## Tasktop Integration Hub Fixes

### Container Synchronization

- 109949: Fixed an issue where moving routes between integrations failed due to deleted containers.

## Connector-Specific Fixes

### BMC Remedy

- 109723: Fixed an issue where case-insensitive options caused artifact retrieval failures.

### IBM Rational Team Concert

- 107661: Fixed an issue where re-authentication could not be performed after receiving a bad gateway response.

# Features

## Connector-Specific Features

### Micro Focus PPM

- 109004: Support added for writing SQL backed validations.

# Tasktop Release Notes - 20.3.19

*Posted: October 23, 2020*

# Fixes

## Tasktop Integration Hub Fixes

### Work Item Synchronization

- 110168: Improved move routes to handle certain types of conflicting data between source and target integrations.

## Connector-Specific Fixes

### IBM Rational DOORS

- 110033: Fixed an issue where a thread interruption exception was not surfaced when closing a DOORS module.

### Planview PPM Pro

- 108699: Fixed an issue where PPM Pro artifacts were not retrieved due to an empty value.

# Features

## Connector-Specific Features

### Micro Focus PPM

- 108305: Added limited support for state transitions for Micro Focus PPM version 9.55 and later.

# Tasktop Release Notes - 20.3.20

*Posted: November 05, 2020*

# Fixes

## Tasktop Integration Hub Fixes

### Product Upgrades

- 110346: Integration migrations now prevent data belonging to the same integration from being added to the database during processing.

## Connector-Specific Fixes

### Micro Focus ALM

- 109929: Fixed an issue where the Test Instance Status field was not set properly on creation.

# Features

## Connector-Specific Features

### Micro Focus PPM

- 109127: Improved error logging for the Micro Focus PPM connector.

# Tasktop Release Notes - 20.3.21

*Posted: November 11, 2020*

- Features
    - Connector-Specific Features
        - IBM Rational DOORS

## Features

## Connector-Specific Features

### IBM Rational DOORS

- 103685: The DOORS connector can now accurately monitor the health of the doors.exe processes.

# Tasktop Release Notes - 20.3.22

*Posted: November 13, 2020*

# Fixes

## Tasktop Integration Hub Fixes

### Container Synchronization

- 110177: Fixed an issue where attempting to delete a mirrored container group deleted the first group instead of the selected group.

## Connector-Specific Fixes

### Jama

- 110469: Improved memory performance when retrieving Jama artifacts with many children.

### Planview Enterprise

- 110894: Fixed an issue where empty values in a custom field caused an error.

# Tasktop Release Notes - 20.3.24

*Posted: December 10, 2020*

# Upgrade Notes

## Connector-Specific Upgrade Notes

### Salesforce

- 110883:

# Fixes

## Tasktop Integration Hub Fixes

### Collections

- 111637: Fixed an issue where an existing gateway integration caused project replacement background jobs to fail.

### Work Item Synchronization

- 110802: Fixed an issue where container link summary changes caused unwanted synchronization updates.
- 107898: Improved the handling of Container Link fields when an artifact switches routes due to a project move in the repository.

# Connector-Specific Fixes

## BMC Remedy

- 110953: Fixed an issue where max byte field lengths caused issues when performing integrations on a non-Unicode Remedy server.

## Jama

- 111463: Fixed an issue where version detection errors blocked normal processing in repositories with SSO enabled.

## Salesforce

- 110883: Fixed an issue that caused an error during integrations when multiple fields that could be used as the Summary field were found.

## Tricentis Tosca

- 109828: Fixed an issue where Tosca folders with '/' in the name caused certain artifacts not to flow.

# Features

# SDK-Specific Features

## SDK

- 111309:

# Tasktop Release Notes - 20.3.25

*Posted: December 16, 2020*

- Fixes
    - Connector-Specific Fixes
        - Atlassian Jira
        - BMC Remedy
        - VersionOne

# Fixes

## Connector-Specific Fixes

### Atlassian Jira

- 110222: Fixed an error that occurred when handling an unexpected response upon retrieving an artifact.

### BMC Remedy

- 111302: Fixed an issue where adding an attachment with a long filename caused an error.

### VersionOne

- 111549: Fixed an issue that prevented VersionOne from accepting links in the Description field.

# Tasktop Release Notes - 20.3.26

*Posted: December 22, 2020*

# Fixes

## Tasktop Integration Hub Fixes

### Activity & Issues

- 108742: Fixed an issue that caused inconsistent numbers between errors on the Activity screen and errors in the detailed view.

### Integrations

- 107383: Added new logging to the filtered-log file.

# Tasktop Release Notes - 20.3.27

*Posted: December 31, 2020*

- Fixes
    - Tasktop Integration Hub Fixes
        - Artifact Relationship Management (ARM)
    - Connector-Specific Fixes
        - CA Agile Central (Rally)
        - Jama
        - Micro Focus ALM

# Fixes

## Tasktop Integration Hub Fixes

### Artifact Relationship Management (ARM)

- 110700: Artifact relationship management will now filter out associated artifacts that have left the integration. As before, a full scan must run for Tasktop to recognize that an artifact has moved integrations or been deleted.

## Connector-Specific Fixes

### CA Agile Central (Rally)

- 110724: Fixed an issue where setting the Blocked Reason field without also setting the Blocked field resulted in an error from the Rally onDemand server.

### Jama

- 108166: Fixed an issue where deleted releases in Jama would show up as valid single select options.

### Micro Focus ALM

- 111321: Fixed an issue that prevented Test Instances from being created in ALM when the status field is set to required.

# Tasktop Release Notes - 20.3.28

*Posted: January 07, 2021*

## Fixes

### Connector-Specific Fixes

#### Targetprocess

- 112293: Fixed an issue where Targetprocess custom fields were included from other processes.

# Tasktop Release Notes - 20.3.29

*Posted: January 13, 2021*

- Fixes
    - Connector-Specific Fixes
        - Targetprocess

## Fixes

## Connector-Specific Fixes

### Targetprocess

- 111650: Fixed an error that occurred when updating the Assignees field in Targetprocess.

# Tasktop Release Notes - 20.3.30

*Posted: February 03, 2021*

- Fixes
  - Tasktop Integration Hub Fixes
    - Container Synchronization
    - Test Management
    - Work Item Synchronization

# Fixes

## Tasktop Integration Hub Fixes

### Container Synchronization

- 112767: Fixed an issue where container mirrorings could not be deleted when the artifact creation flow was set to 'one-way creation' from left to right.

### Test Management

- 111841: Fixed an issue with 'Micro Focus ALM to Tricentis Tosca' and 'Micro Focus ALM to Micro Focus ALM Octane' test synchronization validation where the validation would incorrectly claim an integration was invalid when the 'Test Design' and 'Test Planning' integrations had collections of the same repository on opposite sides.

### Work Item Synchronization

- 112676: Fixed an issue where comments did not flow when conditional field flows were configured.

# Tasktop Release Notes - 20.3.31

*Posted: February 09, 2021*

- Fixes
    - Connector-Specific Fixes
        - Atlassian Jira

# Fixes

## Connector-Specific Fixes

### Atlassian Jira

- 113219: Fixed an issue where artifacts with empty sprints sometimes caused artifact retrieval to fail.

# Tasktop Release Notes - 20.3.32

*Posted: February 23, 2021*

# Fixes

## Tasktop Integration Hub Fixes

### Collections

- 113070: Improved the performance of loading field options for collections with repository queries.

## Connector-Specific Fixes

### Microsoft Sharepoint

- 110948: Fixed an issue where synchronized attachments caused authorization errors.

# Tasktop Release Notes - 20.3.33

*Posted: March 03, 2021*

## Fixes

## Tasktop Integration Hub Fixes

### Container Synchronization

- 113206: Fixed an issue synchronizing artifacts that moved between projects.

## Connector-Specific Fixes

### Micro Focus ALM

- 113353: Fixed an issue where a failure occurred when updating locked artifacts.

# Tasktop Release Notes - 20.3.34

*Posted: March 24, 2021*

## Fixes

## Tasktop Integration Hub Fixes

### Work Item Synchronization

- 114290: Fixed an issue where artifacts linked to containers with no summary could not be synchronized.
- 114259: Fixed an issue where field mappings could not be configured if an Artifact Union used within a mapping was deleted.

## Connector-Specific Fixes

### Planview PPM Pro

- 114269: Fixed an issue that occurred when validating the PPM Pro repository connection.

# Tasktop Release Notes - 20.3.35

*Posted: March 30, 2021*

- Fixes
    - Tasktop Integration Hub Fixes
        - Product Upgrades

## Fixes

### Tasktop Integration Hub Fixes

#### Product Upgrades

- 114404: Fixed an issue that caused changes made by an upgrade background job to be held in memory but not persisted if the job encounters an error, causing the changes to be lost if the application is restarted before other configuration changes are made.

# Tasktop Release Notes - 20.3.36

*Posted: April 14, 2021*

## Fixes

### Tasktop Integration Hub Fixes

#### State Transitions

- 114747: Fixed an issue where the pagination controls on the transitions list page did not work.

# Tasktop Release Notes - 20.3.37

*Posted: April 28, 2021*

## Fixes

### Tasktop Integration Hub Fixes

#### Integrations

- 113652: Fixed an issue where status changes did not synchronize when the field flow was set to 'Always Update'.

# Tasktop Release Notes - 20.3.38

*Posted: May 12, 2021*

# Upgrade Notes

## Connector-Specific Upgrade Notes

### Jama

- 115333: If you have a configured Jama repository user with only Project Admin rights, you should ensure that any Jama users participating in person reconciliation on artifact fields are members of the projects which contain those artifacts.

# Fixes

## Connector-Specific Fixes

### Jama

- 115333: Fixed an issue where the connector could not retrieve a list of users from the repository due to recently introduced security restrictions on the repository API.

### ServiceNow

- 114902: Fixed an issue where ServiceNow did not allow for a large number of queries when setting up artifact filters.

# Tasktop Release Notes - 20.3.39

# Fixes

## Tasktop Integration Hub Fixes

### Work Item Synchronization

- 115975: Fixed an issue that caused an error when validating field mappings.

# Tasktop Release Notes - 20.3.40

*Posted: June 29, 2021*

## Fixes

### Tasktop Integration Hub Fixes

#### Twinless Artifact Update

- 105104: Twinless update no longer uses the Field Flow configuration.

# Tasktop Release Notes - 20.3.41

*Posted: July 07, 2021*

- Fixes
    - Connector-Specific Fixes
        - Atlassian Jira

## Fixes

## Connector-Specific Fixes

### Atlassian Jira

- 108867: Fixed an issue caused by uninstalling a ServiceDesk plugin.

# Tasktop Release Notes - 20.3.42

*Posted: August 18, 2021*

- Fixes
    - Tasktop Integration Hub Fixes
        - Project Replacement

## Fixes

## Tasktop Integration Hub Fixes

### Project Replacement

- 117652: Fixed an issue where renaming projects after a Micro Focus ALM domain change only updated artifacts in the first project in the collection.