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Tasktop Release Notes - 19.4.49

Posted: December 24, 2020

- Fixes
    - Connector-Specific Fixes
        - VersionOne

Fixes

Connector-Specific Fixes

VersionOne

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

Tasktop Release Notes - 19.4.48

Posted: December 10, 2020

Fixes

Tasktop Integration Hub Fixes

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.

Tasktop Release Notes - 19.4.47

Posted: October 06, 2020

- Fixes
    - Connector-Specific Fixes
        - Atlassian Jira

Fixes

Connector-Specific Fixes

Atlassian Jira

- 105862: Fixed an issue where synchronizations failed for the 'Assigned Sprint' field for Jira onDemand.

Tasktop Release Notes - 19.4.46

Posted: September 30, 2020

- Fixes
    - Tasktop Integration Hub Fixes
        - Work Item Synchronization

Fixes

Tasktop Integration Hub Fixes

Work Item Synchronization

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

Tasktop Release Notes - 19.4.45

Posted: September 09, 2020

Fixes

Connector-Specific Fixes

Jama

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

Tasktop Release Notes - 19.4.44

Posted: September 02, 2020

Features

Tasktop Integration Hub Features

Activity & Issues

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

Tasktop Release Notes - 19.4.43

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.

Tasktop Release Notes - 19.4.42

Posted: August 04, 2020

Fixes

Tasktop Integration Hub Fixes

Integrations

- 107386: Fixed an issue where project specific filters were not applied to events generated from an artifact association import.

Connector-Specific Fixes

Micro Focus ALM

- 106896: Fixed an issue where token expiry was not properly detected, which caused errors that blocked integrations.

Tasktop Release Notes - 19.4.40

Posted: July 14, 2020

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Fixes

Connector-Specific Fixes

Micro Focus ALM

- 106896: Fixed an issue where token expiry was not properly detected, which caused errors that blocked integrations.

Tasktop Release Notes - 19.4.39

Posted: July 06, 2020

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 105549: Activity requiring manual retry is now displayed under the Errors tab.

SDK-Specific Fixes

SDK

- 106803: Fixed an issue where trace logging contained unnecessary information about performing an internal method.

Tasktop Release Notes - 19.4.38

Posted: June 24, 2020

- Fixes
    - Connector-Specific Fixes
        - Micro Focus ALM

Fixes

Connector-Specific Fixes

Micro Focus ALM

- 106429: Fixed a test-folder related performance issue on the Test artifact.

Tasktop Release Notes - 19.4.37

Posted: June 10, 2020

Fixes

Tasktop Integration Hub Fixes

State Transitions

- 105436: Fixed an issue where hidden field flows affected the result of a state transition extension.

Connector-Specific Fixes

Jama

- 105979: Fixed an issue where invalid links on a Jama ticket caused artifact retrieval to fail.

Tasktop Release Notes - 19.4.36

- Fixes
  - Tasktop Integration Hub Fixes
    - Misc

Fixes

Tasktop Integration Hub Fixes

Misc

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

Tasktop Release Notes - 19.4.35

Posted: May 01, 2020

- Fixes
    - Connector-Specific Fixes
        - Jama

Fixes

Connector-Specific Fixes

Jama

- 105232: Fixed an issue where URL field values that did not start with 'http' could not be written to Jama Connect.

Tasktop Release Notes - 19.4.34

Posted: April 29, 2020

Fixes

Tasktop Integration Hub Fixes

OEM

- 103387: 1. Add full scan style panel on change detection page for time tracking

    1. Add initiateSynchronization button for time tracking and show collection on integration full scan request dialog regarding creation flow for all integration style.

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

BMC Remedy

- 104539: Fixed an issue where BMC Remedy internal users were mistakenly retrieved.
- 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.

Tasktop Release Notes - 19.4.33

Posted: April 08, 2020

Fixes

Tasktop Integration Hub Fixes

Work Item Synchronization

- 103796: Improved parallel processing of new artifacts.

Connector-Specific Fixes

ServiceNow

- 104299: Fixed an issue where fields of type String (Full UTF-8) were not appearing in field mappings.

Tasktop Release Notes - 19.4.32

Posted: March 31, 2020

- Fixes
    - Tasktop Integration Hub Fixes
        - Operational Database

Fixes

Tasktop Integration Hub Fixes

Operational Database

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

Tasktop Release Notes - 19.4.31

Posted: March 25, 2020

Fixes

Tasktop Integration Hub Fixes

Work Item Synchronization

- 103954: Improved the performance of change detection in Tasktop Integration Hub.

Connector-Specific Fixes

Jama

- 104050: Fixed an issue where enabling 'Use SOAP API' in Jama caused collection setup errors.

Tasktop Release Notes - 19.4.30

Posted: March 24, 2020

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 100220: Fixed an issue where errors from events indefinitely blocked all processing.

Container Synchronization

- 103675: Fixed an issue where the collections of a container + work item synchronization integration did not display properly.

Connector-Specific Fixes

Jama

- 103967: Fixed an issue where invalid XML characters caused an error in Jama SOAP.

Tasktop Release Notes - 19.4.29

Posted: March 18, 2020

- Fixes
    - Tasktop Integration Hub Fixes
        - Activity & Issues
    - Connector-Specific Fixes
        - Atlassian Jira
        - GitLab Issues

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 103045: Ignored errors will no longer retry automatically.

Connector-Specific Fixes

Atlassian Jira

- 96777: Fixed an issue where multiple "-" characters in rich text fields were synchronized as horizontal lines.

GitLab Issues

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

Tasktop Release Notes - 19.4.27

Posted: March 10, 2020

- Fixes
    - Connector-Specific Fixes
        - Jama

Fixes

Connector-Specific Fixes

Jama

- 103410: Fixed an issue that caused "Connection pool shut down" errors in the log when using SOAP API.

Tasktop Release Notes - 19.4.26

Posted: March 04, 2020

Fixes

Connector-Specific Fixes

Atlassian Jira

- 102809: Fixed an issue where the worklogs entered in Jira sometimes synchronized with the incorrect start date.

Tasktop Release Notes - 19.4.25

Posted: February 25, 2020

- Fixes
    - Connector-Specific Fixes
        - Blueprint
        - IBM Rational DOORS

Fixes

Connector-Specific Fixes

Blueprint

- 102298: Fixed an issue where Blueprint cross-project links were incorrectly allowed.

IBM Rational DOORS

- 102311: Fixed an issue where modules under a folder would show up incorrectly as children of that folder's ancestors.

Tasktop Release Notes - 19.4.24

Posted: February 22, 2020

- Fixes
    - Tasktop Integration Hub Fixes
        - Activity & Issues
        - Logging
    - Connector-Specific Fixes
        - BMC Remedy

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 103071: Fixed an issue where certain artifact changes were overlooked due to delayed change detection.

Logging

- 103227: Fixed an issue where sensitive information found in HTTP headers could potentially be exposed in logs when troubleshooting logging was enabled. [Security Fix]

Connector-Specific Fixes

BMC Remedy

- 102868: Fixed an issue where Product Model/Version values failed to convert due to a duplicate value.

Tasktop Release Notes - 19.4.23

Posted: February 19, 2020

Fixes

Tasktop Integration Hub Fixes

Infrastructure

- 101724: Fixed an issue where Tasktop Integration Hub could not start when there were too many stored errors.

Logging

- 103116: Fixed a logging issue that prevented HTTP level logging from being turned on in the troubleshooting logs.

User Management

- 99432: Fixed an issue where displaying the 'Test Connection' button on the external database settings caused an error for troubleshooting users.

Connector-Specific Fixes

BMC Remedy

- 102731: Fixed an issue that prevented BMC Remedy Task updates from synchronizing if any of the Site, Site Group, Region, or Location Company fields were not set.

SDK-Specific Fixes

SDK

- 103015: Fixed an issue where container links with empty summaries produced an error.

Features

Connector-Specific Features

IBM Rational DOORS

- 102544: Logging has been added to core DOORS operations and can be enabled by selecting a Troubleshooting duration on the Advanced Configuration screen.

Tasktop Release Notes - 19.4.22

Posted: February 13, 2020

Fixes

Tasktop Integration Hub Fixes

Collections

- 102609: Fixed an issue where project replacements couldn't be applied after a project was renamed if the collection had an invalid repository query.

Connector-Specific Fixes

IBM Rational DOORS Next Generation

- 102163: Fixed an issue in Rational Doors Next Generation where parsing list items with trailing spaces caused an error.

Micro Focus ALM

- 102491: Fixed an issue where an error appeared when requirement coverage links were missing in Micro Focus ALM.

Tasktop Release Notes - 19.4.21

Posted: February 04, 2020

- Fixes
    - Connector-Specific Fixes
        - BMC Remedy

Fixes

Connector-Specific Fixes

BMC Remedy

- 102316: Fixed an issue that prevented BMC Remedy Incident updates from synchronizing if any of the Site, Site Group, Region, or Location Company fields were not set.

Tasktop Release Notes - 19.4.20

Posted: January 30, 2020

- Fixes
    - Connector-Specific Fixes
        - Blueprint
        - BMC Remedy

Fixes

Connector-Specific Fixes

Blueprint

- 100911: Fixed an issue where duplicate field options could cause an error.

BMC Remedy

- 102392: Fixed an issue that prevented BMC Remedy work order updates from synchronizing if any of the Site, Site Group, Region, or Location Company fields were not set.

Tasktop Release Notes - 19.4.19

Posted: January 29, 2020

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 102526: Fixed an issue where expanding one related configuration section on an issue expanded all sections.

Connector-Specific Fixes

Planview LeanKit

- 102293: Fixed an issue that prevented the Planview LeanKit connector from properly clearing out values on custom fields.

Tasktop Release Notes - 19.4.18

Posted: January 22, 2020

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 102100: Fixed an issue where users were unable to search the Activity queue by artifact ID.

Field Flow

- 100168: Fixed an issue where the Field Flow screen would sometimes incorrectly display an error when the field mapping was configured correctly.

Logging

- 101269: Fixed an issue where Azure DevOps SDK logs were not properly outputted to Tasktop Integration Hub logs.

Work Item Synchronization

- 102300: A warning will now be displayed on the conditional routing screen when the selected field is not mapped within the source collection.

Connector-Specific Fixes

Jama

- 101333: Fixed an issue where Jama 2015.X Formatted ID search returned too many objects.

Microsoft Azure DevOps Server (TFS)

- 101401: Azure DevOps Services now supports Personal Access Tokens with a minimal set of permissions.

VersionOne

- 102023: Fixed an issue where attachments would not synchronize into VersionOne if the source repository did not provide an attachment size.

Tasktop Release Notes - 19.4.17

Posted: January 14, 2020

Fixes

Tasktop Integration Hub Fixes

Logging

- 101269: Fixed an issue where Azure DevOps SDK logs were not properly outputted to Tasktop Integration Hub logs.

Work Item Synchronization

- 101760: Fixed an issue where an existing extension did not display correctly on a field configuration if there was an invalid transformation.

Connector-Specific Fixes

Planview Enterprise

- 101914: Fixed an issue where the Planview connector retrieved fields that were not relevant to the integration.

Tasktop Release Notes - 19.4.16

Posted: January 08, 2020

Upgrade Notes

Connector-Specific Upgrade Notes

Microsoft Azure DevOps Server (TFS)

- 101984: Beginning on 03/02/2020, Azure DevOps Services users must use Personal Access Token authentication, as standard authentication will no longer be supported by Microsoft. Please check your authentication methods and update as needed. If authentication is not updated correctly, pre-existing integrations may stop running. Azure DevOps Server (on-prem) users can continue to use standard authentication.

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 101779: Fixed an error that occurred when an integration was saved without any collections.
- 101651: Fixed an issue where multiple 'skipping validation' errors were generated instead of one.

Integrations

- 101860: Fixed an issue where the 'Integrations List' screen did not immediately load if many routes were configured.

Help

- 101783: Fixed an issue where the file name of the Support and Usage Report sometimes listed the wrong year.

Tasktop Release Notes - 19.4.15

Posted: December 24, 2019

Fixes

Tasktop Integration Hub Fixes

Product Upgrades

- 101723: Configuration migration will now only be triggered by a product upgrade.

Integrations

- 101603: Fixed an issue where Tasktop Integration Hub was unable to process artifacts for an extended period after making a configuration change if many routes to containers were configured.

Connector-Specific Fixes

Atlassian Jira

- 101376: Fixed an issue where duplicate Jira users caused issues with person reconciliation.

Micro Focus ALM

- 101533: Created a workaround for a server-side defect that was producing errors after simultaneous calls to versioned projects.

Tasktop Release Notes - 19.4.14

Posted: December 18, 2019

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 101680: Fixed an issue where the Activity screen sometimes failed to load when there was a worklog related error.

State Transitions

- 99466: Fixed an error that occurred after changing the model of a collection when using state transitions.

Work Item Synchronization

- 101636: Fixed an issue where errors due to artifact creation were incorrectly retried.

Connector-Specific Fixes

Planview Enterprise

- 101514: Fixed an issue where previously-supported fields were no longer available for mapping in versions 19.4.2+, 19.3.12+, and 19.2.24+.

Tasktop Release Notes - 19.4.13

Posted: December 16, 2019

Upgrade Notes

Connector-Specific Upgrade Notes

QASymphony qTest Manager

- 101592: Users of qTest Manager OnDemand (9.8.8+) must update the minimal permissions for the credentials used to connect to Tasktop Integration Hub to include: "Manage Field Settings." If they do not do this, their integrations will stop running.

ServiceNow

- 101369: A 'Comment Enablement' field is now available on the repository connection screen. By default, this will be set to Enabled which will automatically enable comments for all artifact types. Customers with complex permissions for comments should consider changing this setting to Autodetect.

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 101521: Fixed an issue that produced unnecessary Tasktop validation on each project in a collection when processing services were started.

Product Upgrades

- 101576: Fixed an issue where a skipped configuration migration was incorrectly marked as completed.

Connector-Specific Fixes

ServiceNow

- 101369: Added a 'Comment Enablement' field to the ServiceNow repository connection screen.

Features

Tasktop Integration Hub Features

Work Item Synchronization

- 101218: Users are now able to "route" Planview Enterprise artifacts two or more levels below a primary planning level (using relationship field mappings) when routes on the Artifact Routing screen are set at the repository level.

Tasktop Release Notes - 19.4.12

Posted: December 13, 2019

Fixes

Tasktop Integration Hub Fixes

Twinless Artifact Update

- 101400:
  - Fixed an issue where artifacts could not be reprocessed after a twinless update.
  - Fixed an issue where events were not rescheduled properly.

Connector-Specific Fixes

CA Agile Central (Rally)

- 101405: Fixed an issue where portfolio item reference links were broken due to an encoded path segment.

IBM Rational DOORS

- 99281: Fixed an issue where links to an inaccessible object blocked integrations.

IBM Rational DOORS Next Generation

- 101223: Fixed an issue where configurations retrieved from IBM Rational Doors Next Generation were inconsistent/wrong.

Micro Focus ALM

- 101382: Improved error message displayed when invalid or unknown person values cause person transformation to fail.

- 101303: Fixed an issue for Micro Focus ALM versions 12.50+, where attachments were not properly synchronizing when there were multiple attachments with the same case-insensitive name.

Tasktop Release Notes - 19.4.11

Posted: December 10, 2019

Fixes

Tasktop Integration Hub Fixes

Misc

- 99793: Upgraded Tomcat to version 8.5.49.

Settings

- 101213: Fixed an issue where the master password screen did not display upon a fresh installation.

Connector-Specific Fixes

IBM Rational DOORS

- 101090: Fixed an issue where cross-module in-links were created incorrectly.
- 101062: Fixed an issue where some IBM Rational DOORS errors were not automatically retried.

Tasktop Release Notes - 19.4.10

Posted: December 04, 2019

- Fixes
  - Tasktop Integration Hub Fixes
    - Extensions
    - Misc
  - Connector-Specific Fixes
    - codeBeamer ALM
    - Micro Focus ALM
    - Microsoft Azure DevOps Server (TFS)
    - Salesforce

Fixes

Tasktop Integration Hub Fixes

Extensions

- 100895: Errors now include links to relevant extensions.

Misc

- 101156: Upgraded dependency to fix CVE in FasterXML/jackson-databind. [Security Fix]

Connector-Specific Fixes

codeBeamer ALM

- 100918: Fixed an issue where Tasktop Integration Hub treated non-required codeBeamer ALM fields as required.

Micro Focus ALM

- 100818: Fixed an issue for ALM versions 12.50+ where attachments were not synchronizing properly when there were multiple attachments with the same case-insensitive name.

Microsoft Azure DevOps Server (TFS)

- 100580: Fixed an issue where table formatting was lost when synchronizing rich text fields into Microsoft Azure DevOps (TFS).

Salesforce

- 100170: Fixed an issue where only a subset of a dependent picklist's values were available.

Tasktop Release Notes - 19.4.9

Posted: November 27, 2019

Upgrade Notes

Connector-Specific Upgrade Notes

Micro Focus ALM Octane

- 100884: To fix update issues with integrations that have the "Blocked Reason" field mapped, please ensure that business rules involving "Blocked Reason" are disabled in Octane.

Fixes

Tasktop Integration Hub Fixes

Container Synchronization

- 100950: Fixed an issue where artifact creation flow changed to be bidirectional for previously unidirectional Work Item + Container Synchronizations after upgrading Tasktop Integration Hub.

Integrations

- 101036: Fixed an issue where encountering an error at the wrong time could cause change detection to stop for a given project.

- 100645: Fixed an issue where encountering an error at the wrong time could cause change detection to stop for a given project.
- 100024: Fixed an issue where moving routes between integrations (from the advanced configuration screen) changed artifact creation flow to bidirectional.

Connector-Specific Fixes

Atlassian Jira

- 100877: Fixed an issue where setting a value for the 'Assignee' field caused creation of Test Executions to fail.

BMC Remedy

- 100831: Fixed an issue where retrieving an artifact with a no-longer-valid person value caused an error.
- 100815: Fixed an issue where artifact retrieval failed with a message about duplicate field values.

codeBeamer ALM

- 100921: Fixed an issue where the codeBeamer connector would fail to read an artifact if the artifact contained table fields.
- 100920: Fixed an issue where extraneous "~" symbols were added before punctuation marks in outbound rich text fields.

IBM Rational ClearQuest

- 100623: Fixed an issue where attachments with percentage signs in the description would cause an error.

IBM Rational DOORS

- 100439: Improved performance when retrieving a large number of folders and modules from DOORS. Users can further improve performance by specifying a subset of folders/modules for Tasktop Integration Hub to access on the repository connection screen.

Tasktop Release Notes - 19.4.8

Posted: November 19, 2019

- Upgrade Notes
  - Tasktop Integration Hub Upgrade Notes
    - User Management
- Fixes
  - Tasktop Integration Hub Fixes
    - Artifact Relationship Management (ARM)
    - Extensions
    - User Management
  - Connector-Specific Fixes
    - CA Agile Central (Rally)
    - IBM Rational DOORS
    - Micro Focus Solutions Business Manager
    - Microsoft Sharepoint
    - Planview Enterprise

Upgrade Notes

Tasktop Integration Hub Upgrade Notes

User Management

- 97856: To fix a security issue causing browser security settings to be listed twice(and potentially misinterpreted by the user's browser) in response headers during user management (Keycloak) authentication, please follow the steps below:

  1. Click 'User Administration Console' at the bottom of the Tasktop Integration Hub sign in page and log in to Keycloak.
  2. In the Tasktop Realm Settings page, go to the Security Defenses tab. Make sure the following fields are blank: X-Frame-Options, X-Content-Type-Options, and X-XSS-Protection.
  3. Navigate to the Master Realm Settings page (by clicking 'Tasktop' at the top of the sidebar navigation and selecting 'Master), and do the same. [Security Fix]

Fixes

Tasktop Integration Hub Fixes

Artifact Relationship Management (ARM)

- 100798: Fixed an issue where artifact relationship resolution did not work when a related artifact did not contain a mapped field.

Extensions

- 100590: A more descriptive error will now be provided when an extension sets an invalid value on a relationship field.

User Management

- 97856: Fixed a security issue that caused browser security settings to be listed twice (and potentially misinterpreted by the user's browser) in response headers during user authentication. [Security Fix]

Connector-Specific Fixes

CA Agile Central (Rally)

- 100242: Fixed an issue where concurrent creation of Rally changesets was causing errors.

IBM Rational DOORS

- 100788: Enhanced connector logging to enable better troubleshooting.

Micro Focus Solutions Business Manager

- 100497: Fixed error caused by empty double sub-relational fields in Micro Focus Solutions Business Manager.

Microsoft Sharepoint

- 100673: Adding a new validation for session expired for Microsoft Sharepoint connector that was causing some failures

Planview Enterprise

- 100635: Fixed an issue where synchronization failed with 'Code must contain only digits' error.

Tasktop Release Notes - 19.4.7

Posted: November 14, 2019

- Fixes
    - Tasktop Integration Hub Fixes
        - Logging
        - State Transitions
    - Connector-Specific Fixes
        - BMC Remedy

Fixes

Tasktop Integration Hub Fixes

Logging

- 100276: Fixed an issue where log files were not archived every day.

State Transitions

- 100606: Improved error message for unsupported state transition parameters.

Connector-Specific Fixes

BMC Remedy

- 100395: Fixed an issue where artifacts with empty categorizations tier fields caused issues during retrieval.
- 100202: Fixed a performance issue during repository validation.

Tasktop Release Notes - 19.4.6

Posted: November 05, 2019

- Fixes
    - Tasktop Integration Hub Fixes
        - Container Synchronization
    - Connector-Specific Fixes
        - BMC Remedy
        - Planview Enterprise

Fixes

Tasktop Integration Hub Fixes

Container Synchronization

- 100390: Fixed an issue where folders could not be synchronized into Jama.

Connector-Specific Fixes

BMC Remedy

- 100060: Fixed an issue where Tasktop could not retrieve field options if they had dependencies on other field options with special characters.

Planview Enterprise

- 100167: Fixed an issue where authentication errors blocked synchronizations.

Tasktop Release Notes - 19.4.5

Posted: October 31, 2019

Fixes

Tasktop Integration Hub Fixes

Logging

- 100350: Fixed an issue where log files were not created for Tasktop Integration Hub OEMs.

Tasktop Release Notes - 19.4.4

Posted: October 29, 2019

Fixes

Tasktop Integration Hub Fixes

Artifact Relationship Management (ARM)

- 98252: Fixed an issue where relationship resolution could fail when a related artifact resolved to multiple artifacts in the target system.

Collections

- 98036: Fixed an issue where the collection screen did not indicate when a state transition was being used.
- 97912: Field values are now sorted by relevance when users filter the values in Hub by typing into the dropdown.

Integrations

- 100270: Fixed an issue where the 'process all artifacts' button didn't work on Tasktop Integration Hub instances with user management.

Logging

- 98623: Fixed an issue that might cause confidential information to be written to logs through SQL statements logging when trace logging is enabled.

Operational Database

- 100119: Fixed an issue where change detection could encounter long and frequent delays when using a Derby database.
- 99840: Added a 10 minute default socket timeout to the connection to the operational database for MySQL, PostgreSQL and Oracle (there was no timeout previously). This only affects connections where the timeout is not explicitly set.

Connector-Specific Fixes

BMC Remedy

- 100059: Fixed an issue in Remedy versions earlier than 18.08 that prevented Tasktop from retrieving the artifact schema when the same field was shared across multiple views.

IBM Rational Team Concert

- 99495: Fixes authentication failures using Kerberos when a host alias is used.

Microsoft Azure DevOps Server (TFS)

- 100137: Fixed an issue where the connector could fail to execute a WIQL query to search for new and changed artifacts in a team project.

Security Issues:

Logging

- 98623: Fixed an issue that might cause confidential information to be written to logs through SQL statements logging when trace logging is enabled.

Features

Connector-Specific Features

Planview LeanKit

- 99956: Updated Planview LeanKit branding.

Tasktop Release Notes - 19.4.3

Posted: October 22, 2019

- Fixes
    - Connector-Specific Fixes
        - QASymphony qTest Manager
- Features
    - Tasktop Integration Hub Features
        - Artifact Filtering

Fixes

Connector-Specific Fixes

QASymphony qTest Manager

- 99841: Fixed an issue where users would constantly get Authentication State Expired errors.

Features

Tasktop Integration Hub Features

Artifact Filtering

- 99990: Reverts a change to artifact filtering behavior made in CD release 19.4.0.20190806-b842 and quarterly release 19.4.2. With this reversion, new artifact filters will apply to artifact creation ONLY by default. Existing artifact filters will not be impacted.

Tasktop Release Notes - 19.4.2

- Upgrade Notes
  - Tasktop Integration Hub Upgrade Notes
    - Collections
    - Product Upgrades
    - User Management
  - Connector-Specific Upgrade Notes
    - General (Services)
    - Atlassian Jira
    - BMC Remedy
    - Micro Focus ALM Octane
    - Microsoft Azure DevOps Server (TFS)
    - Planview Enterprise
    - QASymphony qTest Manager
    - Salesforce
- Fixes
  - Tasktop Integration Hub Fixes
    - Activity & Issues
    - Artifact Filtering
    - Artifact Relationship Management (ARM)
    - Collections
    - Container Synchronization
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    - IBM Rational DOORS

- Mozilla Bugzilla
- Planview Enterprise
- PTC Integrity Lifecycle Manager
- PTC Windchill
- QASymphony qTest Manager
- SmartBear QAComplete
- Sparx Systems Pro Cloud Server
- Tricentis Tosca
- VersionOne
- Zendesk

Upgrade Notes

Tasktop Integration Hub Upgrade Notes

Collections

- 98545: Default behavior has been changed to retrieve field values from one sample project in a collection, rather than all projects.

  In rare cases where field values vary across projects in a collection, users must check 'retrieve field values from all projects' on the collection screen. This update must be made both for new and existing collections.

Product Upgrades

- 94747: Users upgrading from 19.1 or earlier with a very large operational database (e.g. larger than 10GB) should be prepared for this upgrade to potentially take several hours. If using SQL Server for the operational database and the database is very large, it is recommended to add "; socketTimeout=0" to the connection string in db/tasktop-db.json before starting Hub for the first time. After the upgrade this can be removed.

User Management

- 98270: Tasktop now provides the option of creating a read-only "Troubleshooting User" who can view errors, metrics, and configuration details, but cannot make changes to integration configuration.

  To enable the troubleshooting user functionality, you may run the "add-troubleshooting-user" script from the utility-scripts folder in your Tasktop directory. Doing so will create the role "TasktopTroubleshootingUser" and map it to the default group "TasktopTroubleshootingUsers". This will make it such that new users created in Tasktop will default to having the read-only "Troubleshooting User" role.

If you have not replaced the default SSL certificate provided by Hub, you will need to create the "TasktopTroubleshootingUser" role in the Keycloak Admin Console. We also recommend that users create the group, "TasktopTroubleshootingUsers," map it to the role "TasktopTroubleshootingUser", and set it as the default group.

Connector-Specific Upgrade Notes

General (Services)

- 97693: The following Vendor repository versions are no longer available under Tasktop's general support. These versions are now available under extended support only:

  - Atlassian Jira (Software and Core) - 7.4
  - Jira Service Desk - 3.4.x, 3.5.x, 3.6
  - CA Agile Central (Rally) - 2017.1
  - CA PPM - 15.1
  - Micro Focus ALM - 11.5 (SP2)
  - Micro Focus Dimensions RM - 12.5
  - Planview Enterprise One - 14, 15
  - VersionOne - 18.0 (Winter 2018), 18.1 (Spring 2018)

  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.

Atlassian Jira

- 97665: Recent changes to profile visibility settings made by Atlassian to Jira Cloud servers have impacted Tasktop's ability to match persons by email address. This Tasktop version contains a fix that enables Tasktop to match persons flowing into Jira Cloud by email address, but not out of Jira Cloud.

  To resolve this, we recommend that customers ask their Jira users to update their profile visibility settings (https://confluence.atlassian.com/cloud/update-your-profile-and-visibility-settings-968656104.html) to allow anyone to see their email address.

BMC Remedy

- 98927: The following fields have been changed from string to single select on task artifacts and may need to be re-mapped: Product Cat Tier 1, Product Cat Tier 2, Product Cat Tier 3, Product Model/Version, Product Name, Operational Cat Tier 1, Operational Cat Tier 2, Operational Cat Tier 3, Assignee Group, Assignee Organization, Support Group Name, and Support Organization.

The Resolution Method field has been changed from string to single select on incident artifacts and may need to be re-mapped.

- 97470: The following fields have been changed from string to single select and will need to be re-mapped: Change Manager Fields (Support Organization, Company, Group), Change Assignee Fields (Support Organization, Company, Group), Vendor Fields (Organization, Company, Group), Product Categorization Tier 1-3 Fields, Product Model/Version, Product Name, Manufacturer, Region, Site, Site Group, Requested By Support Organization, Requested By Support Group.
- 97469: The following fields have been changed from String to Single Select on the Problem type and will need to be re-mapped: Assigned Group, Assigned Support Organization, Assigned Support Company, Product Categorization Tier One, Product Categorization Tier Two, Product Categorization Tier Three, Product Model/Version, Product Name, Manufacturer, Contact Company, Generic Categorization Tier One, Assigned Group Pblm Mgr, Support Organization Pblm Mgr, Support Company Pblm Mgr, Support Group Name Requester, Support Organization Requestor, Region, Site Group, Site.
- 97468: The following fields have been changed from String to Single Select and will need to be re-mapped: Assigned Group, Owner Group, Resolution Category, Resolution Category Tier 2, Resolution Category Tier 3, Product Categorization Tier 1, Product Categorization Tier 2, Product Categorization Tier 3, Product Name, Product Model/Version, Closure Product Category Tier1, Closure Product Category Tier2, Closure Product Category Tier3, Closure Product Name, Closure Product Model/Version Assigned Support Company, Assigned Support Organization, Contact Company, Vendor Name, Vendor Organization, Vendor Group.
- 97467: The following fields have been changed from String to Single Select and will need to be re-mapped: Support Group Name, Manager Support Group Name, Support Organization, Support Company, Requested By Support Group, Product Categorization Tier 1, Product Categorization Tier 2, Product Categorization Tier 3, Product Name, Product Model/Version, Region, Site Group, Site. Also, the field Requested By Person ID has been changed from String to PersonHandle and will need to be re-mapped.
- 97466: The Assigned Group field on incident and problem artifacts on REST will need to be re-mapped as the field type has changed from a string to a single select field. The Categorization Tier 1, Categorization Tier 2, and Categorization Tier 3 fields on the incident, change, problem, and work order artifacts on REST will need to be re-mapped as the field has changed from a string to a single select field.
- 97465: The Assignee Support Group Name+ (ASGRP), Assignee Support Company (ASCPY), Assignee Support Organization (ASORG) and Manager Support Group Name (Support Group Name) fields will need to be re-mapped, because the field type has been updated from string to single select.

Micro Focus ALM Octane

- 98576: Support was removed for a few fields ("Cycle time", "Has children", "Has comments", "Wi coverage") that are not visible in the Octane UI. Field mappings and extensions that use these fields will need updating.
- 98018: It is recommended that the Shared Space Admin role is unassigned from the integration user to speed up the listing of workspaces when creating a new collection.

Microsoft Azure DevOps Server (TFS)

- 95192: The domain is now required when connecting to Azure Devops (TFS) on-premise versions using Windows Authentication (NTLM/Kerberos). In order to stay authenticated, ensure that the domain is entered in the repository connection settings if applicable.
- 87895: Note that fields in Azure DevOps collections may change from a single select to a string to more accurately reflect the field type in Azure DevOps.

Planview Enterprise

- 98216: Collections that map deactivated options will need updating; alternately, deactivated options may be reactivated in Planview.

QASymphony qTest Manager

- 98143: Extensions referencing the URL, Modified, and Modified By fields should use their new IDs of "web_url", "last_modified_date", and "last_modified_user_id".

Salesforce

- 98967: After upgrading, attachments that were previously synced from Salesforce to another repository without a file extension in the file name may be synced as a new attachment that includes the file extension in the file name.

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 99451: Fixed an issue where an artifact's routes were being incorrectly updated.
- 98539: Fixed an issue where a failure to delete an error prevented further user interactions on the Issues tab.
- 98214: Fixed an issue where the state of an integration (running or stopped) was sometimes displayed incorrectly on the Activity screen.
- 98151: Typing in the dropdowns on the Issues and Background Jobs tabs will now filter the available options.
- 97789: Fixed an issue where authentication errors did not automatically resolve.
- 97199: Fixed an issue where Tasktop would not display errors that occurred when Tasktop attempted to update an item in DOORS with a locked module.
- 96692: Fixed an issue where some errors got retried an unlimited number of times.

Artifact Filtering

- 99037: Fixed an issue where configuring project-based artifact filter statements did not indicate projects are required.
- 98069: Fixed an issue where long model field names are not fully visible in the filtering screen.
- 97263: Fixed an issue where string filters were case sensitive.
- 97028: Fixed an issue where certain artifact filters caused some artifacts not to update.
- 90842: Improved performance of "is empty" and "is not empty" filters.

Artifact Relationship Management (ARM)

- 96904: Fixed an error related to removing and adding links with the same target.

Collections

- 98545: Improved loading performance of the integration overview screen and the field configuration screen by having collections retrieve field values from one sample project instead of all projects.

  In rare cases where field values vary across projects in a collection, users can configure the collection to query all projects.
- 97634: Repository queries can no longer be enabled for repositories that do not support repository queries
- 96908: Fixed an issue where project replacements did not update any data.
- 94046: Fixed an issue where an invalid artifact prevented the field mapping and field flow screens from loading.

Container Synchronization

- 99434: Fixed alignment of the repository row on the Container + Work Item Synchronization integration screen.

Field Flow

- 97317: Fixed an issue where the field flow screen displayed misleading field counts.
- 97245: State transition icon now appears in the model pill on the field flow screen when a state transition extension is used. Users can identify which collection it applies to based on the side of the model pill it is in.

Gateway

- 97577: Fixed an issue where 'not found' errors showed up in the artifact routing screen for Create via Gateway integrations.
- 97426: Fixed an issue where past activity was not tracked when a Create via Gateway integration created an artifact.

Infrastructure

- 96984: Upgraded Tomcat to 8.5.45 to address CVE-2019-10072.

Installers

- 97129: Fixed an issue where Tasktop could not connect to IBM Rational DOORS repositories.

Integrations

- 99139: Fixed an issue where integrations would stop due to outdated project errors. Note that integrations will still be temporarily blocked from the time the error was detected to the time when the error is resolved.
- 99033: Fixed an issue where processing restarts could take a long time when using an Oracle database.
- 98553: Fixed an issue where errors could occur when scheduling activity.
- 98424: Fixed an issue where Tasktop may erroneously assume remaining items in a search are unchanged when many items are changed in a short timespan under certain configurations.
- 98395: Fixed an issue where failing to schedule change detection for one integration prevented all other integrations from processing.
- 98267: Improved error message when a mapped field matches multiple fields within a project.
- 97924: Fixed a XSS issue on the integration diagram screen.
- 97464: Fixed an issue where project options within the Initiate Synchronization dialog did not refresh when the integration routes were changed.
- 95841: Adjusted display of the integration overview menu.

Logging

- 94715: Fixed an issue where Tasktop's log masking could obscure important trace log details.

Misc

- 99328: Fixed an issue where the automatic redirecting behaviour of the application could cause the UI to fail to load.
- 99298: Fixed an issue where the startup scripts did not work when executed from a different directory.
- 97993:
  - Fixed an issue where services were being interrupted prematurely when making changes to the configuration.
  - Fixed an issue where the database was being detected as unavailable incorrectly.
  - Added logging when the application restarts due to reconnecting to the database.

Operational Database

- 99158: Fixed an issue where database read timeouts could occur when a mapping error happened.
- 98822: Unexpected changesets are now logged as warnings.

- 98473: Fixed an issue where some database queries could cause deadlocks during processing under certain configurations.
- 98237: An error is now logged if an error occurs while reading the tasktop-db.json file.
- 96794: Fixed an issue where updating the external database settings upon starting Tasktop would take several minutes.
- 92607: Change detection now causes significantly lower load on the operational database, and administration and event processing result in fewer write operations.

Product Upgrades

- 99379: Fixed an issue where Tasktop may hit a database deadlock issue during integration data migration on SQL Server.
- 98796: Fixed an issue where invalid artifact routes became corrupted during Tasktop upgrade.
- 97919:
  - Fixed an issue where configuration migrations paused integrations after the initial upgrade.
  - Users can no longer manually delete configuration migration failure issues.
- 94747: Fixed a problem upgrading from 19.1 or earlier with a very large operational database.

Redeployment

- 97751: Fixed issue where artifact pair imports were getting interrupted when configurations changed.

Repositories

- 97636: Fixed an issue where repository authentication errors were not automatically being resolved.

State Transitions

- 98219: Typing in the State Transition Type dropdown on the New State Transition screen will now filter the available options.

Twinless Artifact Update

- 98418: Fixed an issue where the field selection dropdown on the Twinless Artifact Update screen expanded beyond the page.
- 97543: Fixed an issue where a twinless artifact update would be triggered by an artifact falling out of the repository query.
- 97100: Fixed an issue where twinless artifact update failed to trigger under certain circumstances.
- 96888: Fixed an issue where twinless artifact update did not execute until a full scan ran at least once for each side of the integration.

User Management

- 95958: Fixed an issue where the password field wasn't masked when being typed in on the user administration page.

Work Item Synchronization

- 99428: Fixed alignment of the repository card on the Work Item Synchronization screen.

Connector-Specific Fixes

Atlassian Jira

- 99400: Fixed an issue where a Jira Profields plugin custom field was blocking Jira synchronizations.
- 98278: Fixed an issue where users were unable to use OAuth 1.0a Authentication.
- 97665: Recent changes to profile visibility settings made by Atlassian to Jira Cloud servers have impacted Tasktop's ability to match persons by email address. This Tasktop version contains a fix that enables Tasktop to match persons flowing into Jira Cloud by email address, but not out of Jira Cloud. See Upgrade Notes for a recommended workaround.
- 97214: Changed how connector handles HTML error deserialization. Complete HTML error pages will not be printed to the logs unless troubleshooting is enabled.
- 96899: Fixed an issue where inline code would come back from Jira with excessive @ symbols. Inline code should now maintain its structure when syncing back from Jira.

Blueprint

- 93699: Improved error message text to better diagnose update errors in Blueprint.

BMC Remedy

- 97980: Fixed issue with fields containing nested parenthesis for BMC Remedy 9.1.04.

CA Agile Central (Rally)

- 96591: Fixed an issue where changesets failed to be created if they linked to the same artifact.
- 95887: Fixed an issue where the HTTP client would fail to timeout when connecting via SSL.

IBM Rational DOORS

- 97798: Improved performance of listing modules when setting up a collection.

IBM Rational DOORS Next Generation

- 97498: Fixed an issue where work items with workflows were not being retrieved.

IBM Rational Team Concert

- 99402: Fixed an issue where artifact changes could be missed when using an unordered RTC query.

iRise

- 98751: Fixed an issue where creating a Requirement collection failed due to an "Unable to determine if the field is read only" error.

Jama

- 84145: Since Jama doesn't support emojis in comments, Tasktop will replace emojis in inbound comments with .
- 96909: Addressed an issue where Jama may fail to load projects due to a SOAP response when REST is configured on the repository.

Micro Focus ALM Octane

- 98578: Fixed an issue where the 'Contained Tests' field on Test Suites was not displayed on the relationship specification screen.
- 98576: Removed support for some fields that are not visible in the Octane UI.
- 98018: The integration user is no longer required to have the Shared Space Admin role.

Micro Focus Dimensions RM

- 97032: The 'Status' smart field now maps to 'Verification Status' for component requirements, 'Defect Status' for defects, 'State' for polls, 'Verification Status' for product requirements, and 'Test Status' for tests.

Micro Focus PPM

- 98722: Fixed an issue where single select value labels with certain special characters were rendered incorrectly.

Microsoft Azure DevOps Server (TFS)

- 99300: Fixed an issue where the connector could sometimes produce an artifact URI that is not fully qualified.
- 99277: Fixed an issue where the connector did not preserve proxy settings when handling person reconciliation.
- 98969: Fixed an issue where the connector incorrectly defined a text field as a single-select field.
- 98489: Fixed an issue where queries could cause an error.
- 97645: Fixed an issue where the Azure DevOps (TFS) connector did not identify the standard Resolved Resolution picklist field as a single select field.

Mozilla Bugzilla

- 97649: Tasktop will no longer flow auto-generated comments created in Bugzilla to identify duplicate artifacts (i.e. comments saying "this bug is a duplicate...").

Planview Enterprise

- 98216: Fixed an issue where writing to a single select field using an option that is deactivated in Planview caused an error.

QASymphony qTest Manager

- 98551: The qTest connector now detects and retries attachment and comment searches that have missing or duplicated results.
- 97666: Fixed an issue which could cause the QASymphony qTest Manager connector to hang while performing creates or updates.
- 97515: Fixed an issue where a qTest synchronization was being blocked by "value not allowed" errors.
- 97345: Fixed an issue where an artifact's revision would not be correct under some configurations, resulting in unnecessary synchronizations.

Salesforce

- 98967: Fixed an issue where file extensions were not being reported in Salesforce attachment file names.

ServiceNow

- 98353: Fixed an issue where some field values were not shown on the field mapping screen when using glide.invalid_query.returns_no_rows under system properties.
- 97878: Fixed an issue where certain artifact filtering conditions produced an error during change detection.
- 97708: Fixed an issue that occurred when retrieving artifacts with catalog variables with duplicated variable names.
- 97707: Fixed an issue where ServiceNow could return a 400 error when retrieving artifacts with a large number of catalog variables.
- 97344: Fixed an issue where Tasktop did not list single select field values if the field in ServiceNow had no dependent field specified, but did have options with dependent values.
- 97128: Fixed an issue where ServiceNow returned an unencoded next-page URL during change detection which caused the connector to be unable to request the next page.
- 97111: Fixed an issue where errors would occur due to insufficient permissions or an invalid user set as a person field on an artifact.
- 96729: Fixed an issue where artifact retrieval failed if a dependent required field was empty.

Targetprocess

- 97133: Fixed an issue where having a custom field called 'Type' in TargetProcess would cause integrations to fail.

Tricentis Tosca

- 99294: Fixed an issue where an artifact that is inside a folder having a name containing a forward slash could not be moved.

SDK-Specific Fixes

SDK

- 98021: This fixes a potential internal validation error that might be seen in recent continuous delivery builds that have integrations with Microsoft TFS 2015.

Features

Tasktop Integration Hub Features

Activity & Issues

- 98271: Current activity can now be filtered by created date.
- 97899: User can see now date and time stamps on the Activity screen.
- 97224: Improved the counts on the activity screen to show full values instead of a truncation.
- 95871: Background Jobs on the Activity screen are now sorted with most recent jobs first.
- 95870: Completed background jobs can be removed.
- 95862: Tasktop can now be configured to compress old log files.

Artifact Filtering

- 97882: Newly added integration filters will apply on both artifact creation and update by default. The radio toggle can be switched to creation only if required. Existing artifact filters will not be impacted.
- 97249: Start/end with operators are now available for filtering on string fields.
- 97247: Users can now use boolean model fields for artifact filtering.
- 97230: Tasktop now indicates when artifact filters will have optimized change detection.
- 97202: Artifact filtering screen now allows users to use 'before' and 'after' operators for date fields.

Collections

- 98630: Added new transforms for mapping person(s) by email, first name, or last name to string fields.
- 97892: The field configuration screen now identifies which side is the model and which is the collection.
- 97799: Two new transforms have been added for field mappings: "Persons to Person (First Person Listed)" and "Persons to Persons Append".
- 97687: For field mappings, two new transforms have been added: "Rich Text to Literal String" and "Literal String to Rich Text".
- 97556: Improved loading performance of list of collections.
- 97555: Improved loading performance of collections with many projects.
- 95875: The project picker on the collection screen now supports searching with dashes.

Extensions

- 98273: The extension editor now has text wrapping.
- 97501: Hub Custom Data Transformation and Person Reconciliation Extensions now receive source and target field information in the context.
- 97253: Person reconciliation extensions can now use information about the artifacts being processed to determine their output.

Field Flow

- 97267: Added a checkbox on the field flow screen to optionally show unmapped fields.
- 97227: Field flow page now shows a warning when invalid field flows are configured.

Help

- 99066: Added integration status metric under IntegrationMetricsLifecycle in the Support and Usage reports.

Infrastructure

- 98593: Log4J was upgraded to Log4j2. As a result customized log4j.xml files need to be migrated to the Log4j2 format. A migration guide can be found here https://logging.apache.org/log4j/2.x/manual/migration.html

Integrations

- 99075: Encrypted attachments, if supported by the end repository, can now be excluded from a synchronization.
- 98981: Improved user experience for the "Retrieve field values from all projects" tooltip on Collection screen.
- 98574: Improved search on the artifact routing and container mirroring screens so that users can search by partial project names.
- 97559: Improved performance for saving integrations with many routes.
- 97558: Improved loading performance of integrations with many routes.

- 97557: Improved loading performance of list of integrations.
- 97554: Improved loading performance of the artifact routing screen when many projects are routed.

Misc

- 97672: Improved UI readability of "Connect" and "Clear" buttons for field mapping, artifact routing, and container mirroring.
- 97226: Added the current product version to the footer on each screen of the product.
- 97010: Health checks are now available via public API.

Product Upgrades

- 98251: Added a new option to start Tasktop in safe mode, which ensures all running integrations are stopped. Users will see a warning banner at the top of the screen when in safe mode.
- 98235: When upgrading to a new version, any pre-existing integration migration background jobs will no longer wait for their scheduling delay before running.
- 97385: Made minor CSS changes to the upgrade banner.
- 97235: The settings screen has been split into two sub pages.

Repositories

- 98065: Improvements to the Repository Connection screen: Label field has been renamed Name. Location field has been renamed URL.

  Improvements to the Settings screen, Email Notifications screen, and Repository Connection screen: Required fields are now marked with an asterisk.
- 97228: When entering a URL, an error is displayed if it does not have a valid scheme.

Settings

- 98256: Changed display of the Troubleshooting section on the Settings screen.
- 96878: Users can now label their Tasktop instance with a name and environment type (Production or Testing).
- 95869: Test emails can now be sent from the Email Notifications screen.

State Transitions

- 99039: Improved UI for state transition sash on field configuration screen.
- 98411: Added an 'Edit Extension' link to the state transition screen to improve navigation.
- 98238: Improved UI for state transition sash on field configuration screen.
- 97497: State transition icon now shows extension name on hover.
- 97243: Improved navigation when configuring state transitions and creating extensions for state transitions.
- 97232: When configuring a new state transition, the default selection is now transition graph.

Tasktop Integration Hub

- 97850: Added option for configuring a default value in a field value mapping.

Twinless Artifact Update

- 99329: Updated the tooltips on the twinless artifact update screen.

User Management

- 98270: Tasktop now provides the option of creating a read-only "Troubleshooting User" who can view errors, metrics, and configuration details, but cannot make changes to integration configuration.

  To enable the troubleshooting user functionality, you may run the "add-troubleshooting-user" script from the utility-scripts folder in your Tasktop directory. Doing so will create the role "TasktopTroubleshootingUser" and map it to the default group "TasktopTroubleshootingUsers". This will make it such that new users created in Tasktop will default to having the read-only "Troubleshooting User" role.

  If you have not replaced the default SSL certificate provided by Hub, you will need to create the "TasktopTroubleshootingUser" role in the Keycloak Admin Console. We also recommend that users create the group, "TasktopTroubleshootingUsers," map it to the role "TasktopTroubleshootingUser", and set it as the default group.

Connector-Specific Features

Aras Innovator

- 96923: Aras Innovator connector is now available on Tasktop Integration Hub.

Atlassian Jira

- 98918: Jira artifacts now have a read only Project ID field.
- 98279: Added support for Atlassian Jira Software and Atlassian Jira Core version 8.3.
- 98249: Added support for Atlassian Jira - Service Desk version 4.3.
- 96701: Atlassian Crowd enabled SSO authentication is now supported for Jira.

Blueprint

- 98560: Added support for Blueprint 10.2 (with Storyteller 4.2).

BMC Remedy

- 98927: The following fields have been made read-only on task artifacts: Assignee Groups, Assignee Groups_parent, Vendor Assignee Groups, Vendor Assignee Groups_parent, Total Effort Tracking Hours, Total Effort Tracking Minutes.
- 98714: Added support for BMC Remedy version 19.08.
- 97470: All fields on the out-of-the-box CHG:ChangeInterface form are now supported for the Change artifact type.
- 97469: All fields on the out-of-the-box PBM:ProblemInterface form are now supported for the Problem artifact type.
- 97468: All fields on the out-of-the-box HPD:IncidentInterface form are now supported for the Incident artifact type.
- 97467: All fields on the out-of-the-box WOI:WorkOrderInterface form are now supported for the Work Order artifact type.
- 97466: The Assigned Group field on the Incident and Problem type is now a writeable single select field on REST. The Categorization Tier 1, Categorization Tier 2, and Categorization Tier 3 fields are now writeable single select fields on the Incident, Change, and Problem types, and read-only single select fields on the Work Order type on REST.
- 97465: The CAB Manager Login field on work order artifacts has been added as a writeable person field. The Assignee Support Group Name+ (ASGRP), Assignee Support Company (ASCPY), Assignee Support Organization (ASORG) and Manager Support Group Name (Support Group Name) fields have been changed from read-only string to writeable single select fields.
- 97115: Reduces change detection paging size to reduce payload retrieved and thus load on the server.
- 91126: Tasks are now supported as a work item. See Connector Docs for more information.

GitLab Issues

- 98250: Added support for GitLab Issues version 12.1
- 97571: Added support for GitLab version 12.0.

IBM Rational DOORS Next Generation

- 97414: Added support for integrating with change-set enabled streams

Jama

- 97495: Added support for Jama Connect version 8.39

Micro Focus ALM

- 98559: Added support for Micro Focus ALM version 15.0.

Micro Focus ALM Octane

- 96289: Added support for Micro Focus ALM Octane version 12.60.47.

Microsoft Azure DevOps Server (TFS)

- 95192: Basic authentication is now supported for on-premise versions of Azure Devops (TFS).

Mozilla Bugzilla

- 98389: Mozilla Bugzilla connector now exposes artifacts as Bugs instead of Inbound Artifacts

Planview Enterprise

- 97019: The Worklog Submission Status field on the repository connection screen is now optional.

PTC Integrity Lifecycle Manager

- 97078: Rebranded the 'PTC Integrity' connector as 'PTC Windchill RV&S' and updated the logo.

PTC Windchill

- 95080: PTC Windchill connector is now available in Tasktop Integration Hub.
- 94510: RichText fields are now supported for PTC Windchill.

QASymphony qTest Manager

- 98191: Added support for QASymphony qTest Manager version 9.7.1.
- 97572: Added support for QASymphony qTest Manager version 9.7.

SmartBear QAComplete

- 98246: Added support for Smartbear QAComplete version 12.21.

Sparx Systems Pro Cloud Server

- 97573: Added support for Sparx Pro Cloud Server version 4.0.

Tricentis Tosca

- 98245: Added support for Tricentis Tosca version 12.3.

VersionOne

- 99357: Added support for VersionOne Summer 2019.

Zendesk

- 99009: Zendesk artifacts are now identified as Tickets in the Tasktop UI (instead of 'inbound artifacts').

Tasktop Release Notes - 19.4.0.20190926-b913

Posted: September 27, 2019

Upgrade Notes

Connector-Specific Upgrade Notes

BMC Remedy

- 97469: The following fields have been changed from String to Single Select on the Problem type and will need to be re-mapped: Assigned Group, Assigned Support Organization, Assigned Support Company, Product Categorization Tier One, Product Categorization Tier Two, Product Categorization Tier Three, Product Model/Version, Product Name, Manufacturer, Contact Company, Generic Categorization Tier One, Assigned Group Pblm Mgr, Support Organization Pblm Mgr, Support Company Pblm Mgr, Support Group Name Requester, Support Organization Requestor, Region, Site Group, Site.

- 97467: The following fields have been changed from String to Single Select and will need to be re-mapped: Support Group Name, Manager Support Group Name, Support Organization, Support Company, Requested By Support Group, Product Categorization Tier 1, Product Categorization Tier 2, Product Categorization Tier 3, Product Name, Product Model/Version, Region, Site Group, Site. Also, the field Requested By Person ID has been changed from String to PersonHandle and will need to be re-mapped.

Salesforce

- 98967: After upgrading, attachments that were previously synced from Salesforce to another repository without a file extension in the file name may be synced as a new attachment that includes the file extension in the file name.

Fixes

Tasktop Integration Hub Fixes

Misc

- 99298: Fixed an issue where the startup scripts did not work when executed from a different directory.

Product Upgrades

- 99379: Fix an issue where Tasktop may hit a database deadlock issue during integration data migration on SQL Server.

Repositories

- 97636: Fixed an issue where repository authentication errors were not automatically being resolved.

Work Item Synchronization

- 99139: Fixed an issue where Hub integrations would stop due to outdated project errors. Note that integrations will still be temporarily blocked between the time the error was detected and the error is fixed.
- 99033: Fixed an issue where processing restarts could take a long time when using an Oracle database.
- 98267: Improved error message when a field on a mapping matches more than a single field within a project.

Connector-Specific Fixes

Salesforce

- 98967: Fixed an issue where file extensions were not being reported in Salesforce attachment file names.

Features

Tasktop Integration Hub Features

Twinless Artifact Update

- 99329: Updated the tooltips on the integration twinless update screen.

Connector-Specific Features

BMC Remedy

- 97469: All fields on the out-of-the-box PBM:ProblemInterface form are now supported for the Problem artifact type.
- 97467: All fields on the out-of-the-box WOI:WorkOrderInterface form are now supported for the Work Order artifact type.

Tasktop Release Notes - 19.4.0.20190916-b897

Posted: September 20, 2019

Upgrade Notes

Connector-Specific Upgrade Notes

Salesforce

- 98967: After upgrading, attachments that were previously synced from Salesforce to another repository without a file extension in the file name may be synced as a new attachment that includes the file extension in the file name.

Fixes

Tasktop Integration Hub Fixes

Artifact Filtering

- 99037: Fixed an issue where configuring project-based artifact filter statements did not indicate projects are required.

Infrastructure

- 96984: Upgraded Tomcat to 8.5.45 to address CVE-2019-10072.

Connector-Specific Fixes

Micro Focus ALM Octane

- 98578: Fixed an issue where the 'Contained Tests' field on Test Suites was not displayed on the relationship specification screen.

Micro Focus PPM

- 98722: Fixed an issue where single select value labels with certain special characters were rendered incorrectly.

Microsoft Azure DevOps Server (TFS)

- 98969: Fixed an issue where the connector incorrectly defined a text field as a single-select field.

Salesforce

- 98967: File extensions that were missing are now included in Salesforce attachment file names.

Features

Tasktop Integration Hub Features

Activity & Issues

- 98271: Current activity can now be filtered by created date.

Help

- 99066: Added integration status metric under IntegrationMetricsLifecycle in the Support and Usage reports.
- 97338: Tasktop's support package now contains metrics about how long change detection takes. When upgrading to later versions of Hub, these metrics will output to the metrics log folder, and the metrics will reset.

Integrations

- 99075: Encrypted attachments, if supported by the end repository, can now be excluded from a synchronization.
- 97559: Improved performance for saving integrations with many routes.

Product Upgrades

- 98251: Added a new option to start Tasktop in safe mode, which ensures all running integrations are stopped. Users will see a warning banner at the top of the screen when in safe mode.

State Transitions

- 99039: Improved UI for state transition sash on field configuration screen.

Tasktop Release Notes - 19.4.0.20190908-b884

Posted: September 11, 2019

- Upgrade Notes
  - Tasktop Integration Hub Upgrade Notes
    - Product Upgrades
- Fixes
  - Tasktop Integration Hub Fixes
    - Product Upgrades
  - Connector-Specific Fixes
    - Jama
- Features
  - Tasktop Integration Hub Features
    - Collections
    - Integrations
    - State Transitions

Upgrade Notes

Tasktop Integration Hub Upgrade Notes

Product Upgrades

- 94747: Users upgrading from 19.1 or earlier with a very large operational database (e.g. larger than 10GB) should be prepared for this upgrade to potentially take several hours. If using SQL Server for the operational database and the database is very large, it is recommended to add "; socketTimeout=0" to the connection string in db/tasktop-db.json before starting Hub for the first time. After the upgrade this can be removed.

Fixes

Tasktop Integration Hub Fixes

Product Upgrades

- 94747: Fixed a problem upgrading from 19.1 or earlier with a very large operational database.

Connector-Specific Fixes

Jama

- 84145: Since Jama doesn't support emojis in comments, Tasktop will replace emojis in inbound comments with .

Features

Tasktop Integration Hub Features

Collections

- 98630: Added new transforms for mapping person(s) by email, first name, or last name to string fields.

Integrations

- 98574: Improved search on the artifact routing and container mirroring screens so that users can search by partial project names.

State Transitions

- 98411: Added an 'Edit Extension' link to the state transition screen to improve navigation.
- 98238: Improved UI for state transition sash on field configuration screen.

Tasktop Release Notes - 19.4.0.20190905-b881

Posted: September 05, 2019

- Upgrade Notes
  - Connector-Specific Upgrade Notes
    - BMC Remedy
- Fixes
  - Tasktop Integration Hub Fixes
    - Operational Database
- Features
  - Tasktop Integration Hub Features
    - Collections
  - Connector-Specific Features
    - BMC Remedy

Upgrade Notes

Connector-Specific Upgrade Notes

BMC Remedy

- 97468: The following fields have been changed from String to Single Select and will need to be re-mapped: Assigned Group, Owner Group, Resolution Category, Resolution Category Tier 2, Resolution Category Tier 3, Product Categorization Tier 1, Product Categorization Tier 2, Product Categorization Tier 3, Closure Product Category Tier1, Closure Product Category Tier2, Closure Product Category Tier3, Assigned Support Company, Assigned Support Organization, Contact Company, Vendor Name, Vendor Organization, Vendor Group.

Fixes

Tasktop Integration Hub Fixes

Operational Database

- 98822: Unexpected changesets are now logged as warnings.

Features

Tasktop Integration Hub Features

Collections

- 97556: Improved loading performance of list of collections.

Connector-Specific Features

BMC Remedy

- 97468: All fields on the out-of-the-box HPD:IncidentInterface form are now supported for the Incident artifact type.

Tasktop Release Notes - 19.4.0.20190903-b878

Posted: September 04, 2019

Upgrade Notes

Tasktop Integration Hub Upgrade Notes

Collections

- 98545: Default behavior has been changed to retrieve field values from one sample project in a collection, rather than all projects.

In rare cases where field values vary across projects in a collection, users must check 'retrieve field values from all projects' on the collection screen. This update must be made both for new and existing collections.

User Management

- 98270: Tasktop now provides the option of creating a read-only "Troubleshooting User" who can view errors, metrics, and configuration details, but cannot make changes to integration configuration.

  To enable the troubleshooting user functionality, you may run the "add-troubleshooting-user" script from the utility-scripts folder in your Tasktop directory. Doing so will create the role "TasktopTroubleshootingUser" and map it to the default group "TasktopTroubleshootingUsers". This will make it such that new users created in Tasktop will default to having the read-only "Troubleshooting User" role.

  If you have not replaced the default SSL certificate provided by Hub, you will need to create the "TasktopTroubleshootingUser" role in the Keycloak Admin Console. We also recommend that users create the group, "TasktopTroubleshootingUsers," map it to the role "TasktopTroubleshootingUser", and set it as the default group.

Connector-Specific Upgrade Notes

Micro Focus ALM Octane

- 98576: Support was removed for a few fields ("Cycle time", "Has children", "Has comments", "Wi coverage") that are not visible in the Octane UI. Field mappings and extensions that use these fields will need updating.

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 98539: Fixed an issue where a failure to delete an error prevented further user interactions on the Issues tab.

Collections

- 98545: Improved loading performance of the integration overview screen and the field configuration screen by having collections retrieve field values from one sample project instead of all projects.

In rare cases where field values vary across projects in a collection, users can configure the collection to query all projects.

Integrations

- 98796: Fixed an issue where automatic route migration deleted the container portion of the route if it could not be migrated. These routes will no longer be automatically migrated.
- 98553: Fixed an issue where errors could occur when scheduling activity.
- 98395: Fixed an issue where failing to schedule change detection for one integration prevented all other integrations from processing.

Operational Database

- 98473: Fixed an issue where some database queries could cause deadlocks during processing under certain configurations.

Connector-Specific Fixes

iRise

- 98751: Fixed an issue where creating a Requirement collection failed due to an "Unable to determine if the field is read only" error.

Micro Focus ALM Octane

- 98578: Fixed an issue where the 'Contained Tests' field on Test Suites was not displayed on the relationship specification screen.
- 98576: Removed support for some fields that are not visible in the Octane UI.

Microsoft Azure DevOps Server (TFS)

- 98489: Fixed an issue where queries could cause an error.

QASymphony qTest Manager

- 98551: The qTest connector now detects and retries attachment and comment searches that have missing or duplicated results.

ServiceNow

- 98353: Fixed an issue where some field values were not shown on the field mapping screen when using glide.invalid_query.returns_no_rows under system properties.

Features

Tasktop Integration Hub Features

Integrations

- 97558: Improved loading performance of integrations with many routes.
- 97557: Improved loading performance of list of integrations.

User Management

- 98270: Tasktop now provides the option of creating a read-only "Troubleshooting User" who can view errors, metrics, and configuration details, but cannot make changes to integration configuration.

  To enable the troubleshooting user functionality, you may run the "add-troubleshooting-user" script from the utility-scripts folder in your Tasktop directory. Doing so will create the role "TasktopTroubleshootingUser" and map it to the default group "TasktopTroubleshootingUsers". This will make it such that new users created in Tasktop will default to having the read-only "Troubleshooting User" role.

  If you have not replaced the default SSL certificate provided by Hub, you will need to create the "TasktopTroubleshootingUser" role in the Keycloak Admin Console. We also recommend that users create the group, "TasktopTroubleshootingUsers," map it to the role "TasktopTroubleshootingUser", and set it as the default group.

Connector-Specific Features

Atlassian Jira

- 98279: Added support for Atlassian Jira Software and Atlassian Jira Core version 8.3.

Mozilla Bugzilla

- 98389: Mozilla Bugzilla connector now exposes artifacts as Bugs instead of Inbound Artifacts

PTC Windchill

- 94510: RichText fields are now supported for PTC Windchill.

Tasktop Release Notes - 19.4.0.20190820-b864

Posted: August 21, 2019

Upgrade Notes

Connector-Specific Upgrade Notes

Planview Enterprise

- 98216: Collections that map deactivated options will need updating; alternately, deactivated options may be reactivated in Planview.

Fixes

Tasktop Integration Hub Fixes

Twinless Artifact Update

- 98418: Fixed an issue where the field selection dropdown on the Twinless Artifact Update screen expanded beyond the page.

Connector-Specific Fixes

Atlassian Jira

- 98278: Fixed an issue where users were unable to use OAuth 1.0a Authentication.

BMC Remedy

- 97980: Fixed issue with fields containing nested parenthesis for BMC Remedy 9.1.04.

Planview Enterprise

- 98216: Fixed an issue where writing to a single select field using an option that is deactivated in Planview caused an error.

Features

Connector-Specific Features

Sparx Systems Pro Cloud Server

- 97573: Added support for Sparx Pro Cloud Server version 4.0.

Tasktop Release Notes - 19.4.0.20190814-b856

Posted: August 15, 2019

Upgrade Notes

Connector-Specific Upgrade Notes

BMC Remedy

- 97465: The Assignee Support Group Name+ (ASGRP), Assignee Support Company (ASCPY), Assignee Support Organization (ASORG) and Manager Support Group Name (Support Group Name) fields will need to be re-mapped, because the field type has been updated from string to single select.
- 97466: The Assigned Group field on incident and problem artifacts on REST will need to be re-mapped as the field type has changed from a string to a single select field. The Categorization Tier 1, Categorization Tier 2, and Categorization Tier 3 fields on the incident, change, problem, and work order artifacts on REST will need to be re-mapped as the field has changed from a string to a single select field.

Micro Focus ALM Octane

- 98018: It is recommended that the Shared Space Admin role is unassigned from the integration user to speed up the listing of workspaces when creating a new collection.

QASymphony qTest Manager

- 98143: Extensions referencing the URL, Modified, and Modified By fields should use their new IDs of "web_url", "last_modified_date", and "last_modified_user_id".

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 98214: Fixed an issue where the state of an integration (running or stopped) was sometimes displayed incorrectly on the Activity screen.
- 98151: Typing in the dropdowns on the Issues and Background Jobs tabs will now filter the available options.
- 97199: Fixed an issue where Tasktop would not display errors that occurred when Tasktop attempted to update an item in DOORS with a locked module.

Misc

- 97993:
  • Fixed an issue where services were being interrupted prematurely when making changes to the configuration.
  • Fixed an issue where the database was being detected as unavailable incorrectly.
  • Added logging when the application restarts due to reconnecting to the database.

Operational Database

- 98237: An error is now logged if an error occurs while reading the tasktop-db.json file.

Redeployment

- 97751: Fixed issue where artifact pair imports were getting interrupted when configurations changed.

State Transitions

- 98219: Typing in the State Transition Type dropdown on the New State Transition screen will now filter the available options.

Connector-Specific Fixes

IBM Rational DOORS

- 97798: Improved performance of listing modules when setting up a collection.

Micro Focus ALM Octane

- 98018: The integration user is no longer required to have the Shared Space Admin role.

SDK-Specific Fixes

SDK

- 98021: This fixes a potential internal validation error that might be seen in recent continuous delivery builds that have integrations with Microsoft TFS 2015.

Features

Tasktop Integration Hub Features

Activity & Issues

- 97899: User can see now date and time stamps on the Activity screen.

Extensions

- 98273: The extension editor now has text wrapping.

Field Flow

- 97227: Field flow page now shows a warning when invalid field flows are configured.

Integrations

- 97554: Improved loading performance of the artifact routing screen when many projects are routed.

Product Upgrades

- 98235: When upgrading to a new version, any pre-existing integration migration background jobs will no longer wait for their scheduling delay before running.

Repositories

- 97228: When entering a URL, an error is displayed if it does not have a valid scheme.

Settings

- 98256: Changed display of the Troubleshooting section on the Settings screen.

Connector-Specific Features

BMC Remedy

- 97465: The CAB Manager Login field on work order artifacts has been added as a writeable person field. The Assignee Support Group Name+ (ASGRP), Assignee Support Company (ASCPY), Assignee Support Organization (ASORG) and Manager Support Group Name (Support Group Name) fields have been changed from read-only string to writeable single select fields.
- 97466: The Assigned Group field on the Incident and Problem type is now a writeable single select field on REST. The Categorization Tier 1, Categorization Tier 2, and Categorization Tier 3 fields are now writeable single select fields on the Incident, Change, and Problem types, and read-only single select fields on the Work Order type on REST.

PTC Integrity Lifecycle Manager

- 97078: Rebranded the 'PTC Integrity' connector as 'PTC Windchill RV&S' and updated the logo.

SmartBear QAComplete

- 98246: Added support for Smartbear QAComplete version 12.21.

Tricentis Tosca

- 98245: Added support for Tricentis Tosca version 12.3.

Tasktop Release Notes - 19.4.0.20190806-b842

Posted: August 07, 2019

- Upgrade Notes
    - Connector-Specific Upgrade Notes
        - Microsoft Azure DevOps Server (TFS)
- Fixes
    - Tasktop Integration Hub Fixes
        - Artifact Filtering
        - Collections
        - Integrations
        - Product Upgrades
    - Connector-Specific Fixes
        - QASymphony qTest Manager
        - ServiceNow
- Features
    - Tasktop Integration Hub Features
        - Activity & Issues
        - Artifact Filtering
        - Collections
        - Extensions
        - Misc
        - Product Upgrades
        - Repositories
        - Settings
        - State Transitions
    - Connector-Specific Fixes
        - PTC Windchill

Upgrade Notes

Connector-Specific Upgrade Notes

Microsoft Azure DevOps Server (TFS)

- 87895: Note that fields in Azure DevOps collections may change from a single select to a string to more accurately reflect the field type in Azure DevOps.

Fixes

Tasktop Integration Hub Fixes

Artifact Filtering

- 98069: Fixed an issue where long model field names are not fully visible in the filtering screen.

Collections

- 97634: Repository queries can no longer be enabled for repositories that do not support repository queries

Integrations

- 97924: Fixed a XSS issue on the integration diagram screen.

Product Upgrades

- 97919: Fixed an issue where configuration migrations paused integrations after the initial upgrade.

  Users can no longer manually delete configuration migration failure issues.

Connector-Specific Fixes

QASymphony qTest Manager

- 97666: Fixed an issue which could cause the QASymphony qTest Manager connector to hang while performing creates or updates.
- 97345: Fixed an issue where an artifact's revision would not be correct under some configurations, resulting in unnecessary synchronizations.

ServiceNow

- 97878: Fixed an issue where certain artifact filtering conditions produced an error during change detection.
- 97708: Fixed an issue that occurred when retrieving artifacts with catalog variables with duplicated variable names.
- 97707: Fixed an issue where ServiceNow could return a 400 error when retrieving artifacts with a large number of catalog variables.

Features

Tasktop Integration Hub Features

Activity & Issues

- 95871: Background Jobs on the Activity screen are now sorted with most recent jobs first.

Artifact Filtering

- 97882: Newly added artifact filters will apply on both artifact creation and update by default. The radio toggle can be switched to creation only if desired. Existing artifact filters will not be impacted.

Collections

- 97892: The field configuration screen now identifies which side is the model and which is the collection.
- 97799: Two new transforms have been added for field mappings: "Persons to Person (First Person Listed)" and "Persons to Persons Append".
- 97555: Improved loading performance of collections with many projects.
- 95875: The project picker on the collection screen now supports searching with dashes.

Extensions

- 97501: Hub Custom Data Transformation and Person Reconciliation Extensions now receive source and target field information in the context.

Misc

- 97672: Improved UI readability of "Connect" and "Clear" buttons for field mapping, artifact routing, and container mirroring.

Product Upgrades

- 97385: Made minor CSS changes to the upgrade banner.

Repositories

- 98065: Improvements to the Repository Connection screen: Label field has been renamed Name. Location field has been renamed URL.

  Improvements to the Settings screen, Email Notifications screen, and Repository Connection screen: Required fields are now marked with an asterisk.

Settings

- 95869: Test emails can now be sent from the Email Notifications screen.

State Transitions

- 97497: State transition icon now shows extension name on hover.

Connector-Specific Fixes

PTC Windchill

- 95080: PTC Windchill connector is now available in Tasktop Integration Hub.

Tasktop Release Notes - 19.4.0.20190724-b828

Posted: July 25, 2019

- Upgrade Notes
  - Connector-Specific Upgrade Notes
    - General (Services)
    - Microsoft Azure DevOps Server (TFS)
- Fixes
  - Tasktop Integration Hub Fixes
    - Activity & Issues
    - Artifact Filtering
    - Artifact Relationship Management (ARM)
    - Field Flow
    - Gateway
    - Integrations
    - Twinless Artifact Update
    - User Management
  - Connector-Specific Fixes
    - Atlassian Jira
    - CA Agile Central (Rally)
    - IBM Rational DOORS Next Generation
    - Jama
    - Micro Focus Dimensions RM
    - Microsoft Azure DevOps Server (TFS)
    - Mozilla Bugzilla
    - ServiceNow
    - Targetprocess
- Features
  - Tasktop Integration Hub Features
    - Activity & Issues
    - Artifact Filtering
    - Collections
    - Settings
    - State Transitions
  - Connector-Specific Features
    - Atlassian Jira
    - BMC Remedy
    - Microsoft Azure DevOps Server (TFS)
    - Planview Enterprise

Upgrade Notes

Connector-Specific Upgrade Notes

General (Services)

- 97693: The following Vendor repository versions are no longer available under Tasktop's general support. These versions are now available under extended support only:

  - Atlassian Jira (Software and Core) - 7.4
  - Jira Service Desk - 3.4.x, 3.5.x, 3.6
  - CA Agile Central (Rally) - 2017.1
  - CA PPM - 15.1
  - Micro Focus ALM - 11.5 (SP2)
  - Micro Focus Dimensions RM - 12.5
  - Planview Enterprise One - 14, 15
  - VersionOne - 18.0 (Winter 2018), 18.1 (Spring 2018)

  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.

Microsoft Azure DevOps Server (TFS)

- 95192: The domain is now required when connecting to Azure Devops (TFS) on-premise versions using Windows Authentication (NTLM/Kerberos). In order to stay authenticated, ensure that the domain is entered in the repository connection settings if applicable.

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 96692: Fixed an issue where some errors got retried an unlimited number of times.

Artifact Filtering

- 97028: Fixed an issue where certain artifact filters caused some artifacts not to update.

Artifact Relationship Management (ARM)

- 96904: Fixed an error related to removing and adding links with the same target.

Field Flow

- 97317: Fixed an issue where the field flow screen displayed misleading field counts.
- 97245: State transition icon now appears in the model pill on the field flow screen when a state transition extension is used. Users can identify which collection it applies to based on the side of the model pill it is in.

Gateway

- 97577: Fixed an issue where 'not found' errors showed up in the artifact routing screen for Create via Gateway integrations.
- 97426: Fixed an issue where past activity was not tracked when a Create via Gateway integration created an artifact.

Integrations

- 97464: Fixed an issue where project options within the Initiate Synchronization dialog did not refresh when the integration routes were changed.
- 95841: Adjusted display of the integration overview menu.

Twinless Artifact Update

- 97543: Fixed an issue where a twinless artifact update would be triggered by an artifact falling out of the repository query.
- 97100: Fixed an issue where twinless artifact update failed to trigger under certain circumstances.
- 96888: Fixed an issue where twinless artifact update did not execute until a full scan ran at least once for each side of the integration.

User Management

- 95958: Fixed an issue where the password field wasn't masked when being typed in on the user administration page.

Connector-Specific Fixes

Atlassian Jira

- 97214: Changed how connector handles HTML error deserialization. Complete HTML error pages will not be printed to the logs unless troubleshooting is enabled.
- 96899: Fixed an issue where inline code would come back from Jira with excessive @ symbols. Inline code should now maintain its structure when syncing back from Jira.

CA Agile Central (Rally)

- 96591: Fixed an issue where changesets failed to be created if they linked to the same artifact
- 95887: Fixed an issue where the HTTP client would fail to timeout when connecting via SSL.

IBM Rational DOORS Next Generation

- 97498: Fixed an issue where work items with workflows were not being retrieved.

Jama

- 96909: Addressed an issue where Jama may fail to load projects due to a SOAP response when REST is configured on the repository.

Micro Focus Dimensions RM

- 97032: The 'Status' smart field now maps to 'Verification Status' for component requirements, 'Defect Status' for defects, 'State' for polls, 'Verification Status' for product requirements, and 'Test Status' for tests.

Microsoft Azure DevOps Server (TFS)

- 97645: Fixed an issue where the Azure DevOps (TFS) connector did not identify the standard Resolved Resolution picklist field as a single select field.

Mozilla Bugzilla

- 97649: Tasktop will no longer flow auto-generated comments created in Bugzilla to identify duplicate artifacts (i.e. comments saying "this bug is a duplicate...").

ServiceNow

- 97344: Fixed an issue where Tasktop did not list single select field values if the field in ServiceNow had no dependent field specified, but did have options with dependent values.
- 97128: Fixed an issue where ServiceNow returned an unencoded next-page URL during change detection which caused the connector to be unable to request the next page.
- 97111: Fixed an issue where errors would occur due to insufficient permissions or an invalid user set as a person field on an artifact.

Targetprocess

- 97133: Fixed an issue where having a custom field called 'Type' in TargetProcess would cause integrations to fail.

Features

Tasktop Integration Hub Features

Activity & Issues

- 95870: Completed background jobs can be removed.
- 95862: Tasktop can now be configured to compress old log files.

Artifact Filtering

- 97202: Artifact filtering screen now allows users to use 'before' and 'after' operators for date fields.

Collections

- 97687: For field mappings, two new transforms have been added: "Rich Text to Literal String" and "Literal String to Rich Text".

Settings

- 97235: The settings screen has been split into two sub pages.

State Transitions

- 97243: Improved navigation when configuring state transitions and creating extensions for state transitions.

Connector-Specific Features

Atlassian Jira

- 96701: Atlassian Crowd enabled SSO authentication is now supported for Jira.

BMC Remedy

- 91126: Tasks are now supported as a work item. See Connector Docs for more information.

Microsoft Azure DevOps Server (TFS)

- 95192: Basic authentication is now supported for on-premise versions of Azure Devops (TFS).

Planview Enterprise

- 97019: The Worklog Submission Status field on the repository connection screen is now optional.

Tasktop Release Notes - 19.4.0.20190708-b812

Posted: July 09, 2019

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Fixes

Tasktop Integration Hub Fixes

Artifact Filtering

- 97263: Fixed an issue where string filters were case sensitive.
- 90842: Improved performance of "is empty" and "is not empty" filters.

Artifact Relationship Management (ARM)

- 95638: Fixed an issue where relationship resolution could fail when a related artifact resolves to multiple artifacts in the target system.

Collections

- 96908: Fixed an issue where project replacements did not update any data.
- 94046: Fixed an issue where an invalid artifact prevented the field mapping and field flow screens from loading.

Field Flow

- 97245: Fixed a UI issue where the state transition icon was missing on the field flow screen.
- 94853: Fixed a UI issue where constant values were not properly displayed on the field flow screen.

Installers

- 97129: Fixed an issue where Tasktop could not connect to IBM Rational DOORS repositories.

Operational Database

- 92607: Change detection now causes significantly lower load on the operational database, and administration and event processing result in fewer write operations.

Work Item Synchronization

- 97014: Fixed an issue where certain fields were incorrectly being detected as changed even though they were not mapped.

Connector-Specific Fixes

BMC Remedy

- 96397: Added a field to the repository connection screen for Remedy REST that ensures artifact location URI points to a valid location. Please see Connector Docs for configuration details.

Micro Focus ALM Octane

- 96910: Fixed an issue where synchronizations involving certain single select fields would fail.

ServiceNow

- 96729: Fixed an issue where artifact retrieval failed if a dependent required field was empty.

Features

Tasktop Integration Hub Features

Activity & Issues

- 97224: Improved the counts on the activity screen to show full values instead of a truncation.

Artifact Filtering

- 97249: Start/end with operators are now available for filtering on string fields.
- 97247: Users can now use boolean model fields for artifact filtering.
- 97230: Tasktop now indicates when artifact filters will have optimized change detection.

Extensions

- 97253: Person reconciliation extensions can now use information about the artifacts being processed to determine their output.

Field Flow

- 97267: Added a checkbox on the field flow screen to optionally show unmapped fields.

Integrations

- 96390: Added a button on the integration screen to trigger full scans for specific projects.

Misc

- 97226: Added the current product version to the footer on each screen of the product.
- 97010: Health checks are now available via public API.

Settings

- 96878: Users can now label their Tasktop instance with a name and environment type (Production or Testing).

State Transitions

- 97232: When configuring a new state transition, the default selection is now transition graph.

Connector-Specific Features

Aras Innovator

- 96923: Aras Innovator connector is now available on Tasktop Integration Hub.

BMC Remedy

- 97115: Reduces change detection paging size to reduce payload retrieved and thus load on the server.
- 97065: Added support for the use of Smart IT URLs for the artifact location field in Remedy. Please see Connector Docs for configuration details.

GitLab Issues

- 96188: Added support for GitLab version 11.11.

Micro Focus ALM Octane

- 96289: Added support for Micro Focus ALM Octane version 12.60.47.