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21.2 Release Notes

To learn about the differences between Continuous Delivery and Long Term Support, click [here](#).

★ indicates major quarterly release

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Tasktop Release Notes - 21.2.0.20210226-b1501

Posted: March 01, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Artifact Pair Management
 - Collections
 - Container Synchronization
 - Product Upgrades
 - User Management
 - Connector-Specific Fixes
 - GitHub Issues
 - Micro Focus ALM
- Features
 - Tasktop Integration Hub Features
 - Activity & Issues
 - Connector-Specific Features
 - Atlassian Jira
 - BMC Remedy

Fixes

Tasktop Integration Hub Fixes

Artifact Pair Management

- 113593: Fixed an issue where deleting an artifact pair did not delete its cached state.

Collections

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

Container Synchronization

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

Product Upgrades

- 113467: Improved the way the certificate alias in the tasktop-hub.properties file is configured. If its property is present and enabled in the properties file, Tomcat will use the value for setting the certificate alias. If the property is not present or disabled, Tomcat will behave in the same way when 'server.ssl.key-alias' is not specified in the server.xml.

- 105314: Fixed an issue where the health check API showed the configurationMigrationStatus as 'PASS' regardless if it faced an error during an upgrade. The 'PASS' result is now only shown when the configuration migration process completes with no errors.

User Management

- 113586: Added a property that can be used to overwrite the authentication server URL.

Connector-Specific Fixes

GitHub Issues

- 112351: Fixed an issue where submitting a large number of comments triggered a GitHub API limit.

Micro Focus ALM

- 112684: Fixed an issue where ALM rich text values were retrieved with too many line spaces.

Features

Tasktop Integration Hub Features

Activity & Issues

- 112758:
- 110534: Artifact pairs can now be exported from Tasktop Integration Hub with guidance from Tasktop Support.

Connector-Specific Features

Atlassian Jira

- 112858: Added support for version 11.0 of the Jira Tempo Plug-in.

BMC Remedy

- 108669: Added support for BMC Remedy version 20.02.

Tasktop Release Notes - 21.2.0.20210302-b1508

Posted: March 04, 2021

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - Tricentis Tosca
- Fixes
 - Tasktop Integration Hub Fixes
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 - Atlassian Jira
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 - Microsoft Sharepoint
 - PTC Integrity Lifecycle Manager
 - Tricentis Tosca
- Features
 - Tasktop Integration Hub Features
 - Collections
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 - IBM Rational DOORS Next Generation
 - VersionOne

Upgrade Notes

Connector-Specific Upgrade Notes

Tricentis Tosca

- 111156: If using a TCFolder collection to mirror ExecutionLists folders, you will need to update your routing manually to ensure ExecutionList folders synchronize properly. This should not affect any existing integrations.

Fixes

Tasktop Integration Hub Fixes

Artifact Filtering

- 113806: Fixed an issue where a filter could not be configured for a collection if one already existed for another collection within a Modify via Gateway integration.

Extensions

- 113558: Fixed an issue where comments could be duplicated when using an extension if 'Flow External Workflow Changes' was enabled for an integration.

Tasktop Integration Hub

- 113510: It is no longer necessary to start Hub from start-tasktop.bat or Start Tasktop shortcut after enabling and/or modifying the tasktop-hub.properties file.

Connector-Specific Fixes

Atlassian Jira

- 113703: Fixed an issue that caused Jira Confluence rich text line breaks to render incorrectly.

Jama

- 113719: Improved error message when items failed to update because of a workflow state lock.

Micro Focus ALM

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

Micro Focus ALM Octane

- 113296: Fixed an issue where a failure occurred when creating some Epic and Automated Test collections.

Microsoft Sharepoint

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

PTC Integrity Lifecycle Manager

- 113449: Fixed an issue where permissions configuration prevented type options from being listed.

Tricentis Tosca

- 111156: Fixed an issue where ExecutionList and TestCase mistakenly appeared alongside TCFolders.

Features

Tasktop Integration Hub Features

Collections

- 113614: Added configuration for a collection's comment text markup.

Connector-Specific Features

IBM Rational DOORS Next Generation

- 112852: Added support for IBM Engineering Requirements Management DOORS Next version 7.0.2.
- 111550: Added support for DOORS Next version 7.0.1.

VersionOne

- 112969: Added support for VersionOne Fall 2020.

Tasktop Release Notes - 21.2.2

Posted: April 13, 2021

- Upgrade Notes
 - Tasktop Integration Hub Upgrade Notes
 - Activity & Issues
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 - BMC Remedy
 - codeBeamer ALM
 - GitHub Issues
 - IBM Rational DOORS
 - IBM Rational DOORS Next Generation
 - Jama
 - Micro Focus ALM
 - Micro Focus ALM Octane
 - Microsoft Project Server

- Microsoft Sharepoint
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 - IBM Rational Team Concert
 - Jama
 - Micro Focus ALM
 - Micro Focus ALM Octane
 - Micro Focus Dimensions RM
 - Microsoft Azure DevOps Server (TFS)
 - Microsoft Sharepoint
 - Tricentis Tosca
 - VersionOne

Upgrade Notes

Tasktop Integration Hub Upgrade Notes

Activity & Issues

- 112140: Existing users with a Keycloak installation of Hub will need to manually add a new role named 'TasktopDeleteArtifactPairsUser' and 'TasktopViewArtifactPairDetailsUser' in the Keycloak administration console to access additional features for managing artifact pairs. For more information, please refer to the upgrade documentation.

Product Upgrades

- 108990: Existing installations of Tasktop Integration Hub on versions prior to 21.1 must be upgraded to 21.1.x before upgrading to any later version.

Connector-Specific Upgrade Notes

Atlassian Jira

- 110608: The 'Assigned Sprint' field has been updated to 'Active or Future Sprint' and will only contain values corresponding to what is included in the 'Active Sprint' and 'Future Sprint' fields in the Jira UI. Previously, this field could contain an incorrect completed sprint value. Now, when a sprint is completed, the field will be cleared. For a complete list of sprints, including closed sprints associated with a Jira issue, please use the 'Sprint(s)' field.

codeBeamer ALM

- 113884: If using the old version of OpenId Connect Authenticator in codeBeamer, you will be required to set up the repository authentication again. You must first enable the new authenticator using the following JVM argument: `-Dcom.tasktop.connector.authenticator.customOpenID.enabled=true`

GitLab Issues

- 112677: The existing 'Assignee' single-person field is now read-only. If synchronizing the 'Assignee' field, you will need to manually update your field mappings to synchronize the 'Assignees' field.

Microsoft Project Server

- 111707: If you have an integration with duration fields calculated in days or weeks, you will need to configure the Work Day Hours and Work Week Hours fields on the Repository Connection screen.

Any extensions converting Work Day Hours or Work Week Hours should be removed.

Tricentis Tosca

- 111156: If using a TCFolder collection to mirror ExecutionLists folders, you will need to update your routing manually to ensure ExecutionList folders synchronize properly. This should not affect any existing integrations.

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 114334: Fixed an issue where an error was displayed when switching between Activity tabs after ignoring errors.
- 113217: Fixed an issue where failed upgrade background jobs succeeded upon retry, but changes did not persist, resulting in errors after the application was restarted.
- 113477: Fixed an issue where the public error API did not work when there were activities without errors.
- 112870: Fixed an issue where large 'Support and Usage Reports' could not be downloaded.
- 112783: Fixed an issue where some entries on the Artifact Pairs screen without information were displayed on the first page.
- 115020: Fixed an issue that caused broken links on the Activity screen.

Artifact Filtering

- 113806: Fixed an issue where a filter could not be configured for a collection if one already existed for another collection within a Modify via Gateway integration.

Artifact Pair Management

- 114540: Fixed an issue where Artifact Pair details did not appear.
- 113593: Fixed an issue where deleting an artifact pair did not delete its cached state.
- 114798: Fixed an issue where clicking the Sync Now button did not process an event.

Collections

- 113993: Improved the performance of updating a collection.
- 113070: Improved the performance of loading field options for collections with repository queries.

Container Synchronization

- 113206: Fixed an issue when synchronizing artifacts that moved between projects.
- 112767: Fixed an issue where container mirrorings could not be deleted when the artifact creation flow was set to 'one-way creation' from left to right.

Extensions

- 113558: Fixed an issue where comments could be duplicated when using an extension if 'Flow External Workflow Changes' was enabled for an integration.
- 113068:
- 112511: Improved the performance of extensions by caching compiled extensions.

Gateway

- 114085: Fixed an issue where artifact filters excluded artifacts from other collections within a Modify via Gateway integration with multiple target collections.

Operational Database

- 114164: Fixed an issue where Hub stopped processing when an event was prioritized shortly after a configuration change was made. This issue only affected Hub with SQL Server as the operational database.
- 113279: Fixed an issue that prevented Tasktop Integration Hub from starting when using Oracle 12.1 as the operational database.
- 106998: Fixed an issue where database reconnects sometimes failed to occur automatically.

Product Upgrades

- 113467: Improved configuration of the certificate alias in the tasktop-hub.properties file. If its property is present and enabled in the properties file, Tomcat will use the value for setting the certificate alias. If the property is not present or disabled, Tomcat will behave as if 'server.ssl.key-alias' is not specified in the server.xml.
- 105314: Fixed an issue where the health check API showed the configurationMigrationStatus as 'PASS' regardless if it faced an error during an upgrade. The 'PASS' result is now only shown when the configuration migration process completes with no errors.

Repositories

- 109877: Fixed an issue where the 'Allow Insecure Connection' option appeared on cloud environments.

Settings

- 114280: Fixed an issue where troubleshooting mode sometimes caused delayed performance. As a result, single character secrets will not be masked in the log files.

State Transitions

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

Tasktop Integration Hub

- 113510: Fixed an issue where you were required to start Hub from start-tasktop.bat or Start Tasktop shortcut after enabling and/or modifying the tasktop-hub.properties file.
- 113129: Upgraded Tomcat to 8.5.61 to resolve CVE-2021-24122. [\[Security Fix\]](#)

Test Management

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

User Management

- 113619: Fixed an issue where a broken page was displayed after logging out of Tasktop Hub Cloud.
- 113586: Added a property that can be used to overwrite the authentication server URL.
- 113656: Fixed an issue where Hub did not identify forwarded headers when connecting to Keycloak.

Work Item Synchronization

- 114478: Fixed an issue where activity was not created for changed artifacts when multiple collections in an integration used overlapping repository queries.
- 114290: Fixed an issue where artifacts linked to containers with no summary could not be synchronized.
- 114259: Fixed an issue where field mappings could not be configured if an Artifact Union used within a mapping was deleted.
- 113939: Fixed an issue that prevented integrations from processing when an error occurred upon cleaning up data for deleted integrations.
- 113898: Fixed an issue where change detection was slow to start after a services restart.
- 112912: Fixed an issue where changes were sometimes missed until a subsequent full scan.
- 112676: Fixed an issue where comments did not flow when conditional field flows were configured.
- 114691: Fixed an issue where change detection did not start when a repository produced an error during scheduling.

Connector-Specific Fixes

Atlassian Jira

- 113703: Fixed an issue that caused Jira Confluence rich text line breaks to render incorrectly.

- 113219: Fixed an issue where artifacts with empty sprints sometimes caused artifact retrieval to fail.
- 110608: Fixed an issue where the 'Assigned Sprint' field sometimes contained an incorrect closed sprint value. This field has been renamed 'Active or Future Sprint' to clarify its intent to behave like the 'Active Sprint' or 'Future Sprint' fields in the Jira UI.

Atlassian Jira Align

- 112883: Fixed an issue that caused a boolean field conversion issue.
- 111627: Fixed an issue that caused Jira Align integrations to fail when the owner ID had been manually set to empty for features.
- 111243: Fixed an issue where loading field options for the sprint field was delayed. Added a new repository field, 'Disable listing options for Sprint field.' When checked, no options will be listed for the Sprint field.

Blueprint

- 113162: Fixed an issue where expired credentials were used.
- 112648: Fixed an issue where rich text was not displayed properly when written to Blueprint.

BMC Remedy

- 114554: Fixed an issue where the connector sometimes failed to retrieve Tasks or Changes if the associating form was configured in a specific way.

codeBeamer ALM

- 114350: Fixed an issue where an invalid retrieve request was made during a transition.
- 114107: Fixed an issue where the Test Case tracker was not recognized as a tracker supporting the document view.
- 113395: Fixed an issue where the description did not use Wiki formatting upon artifact creation.
- 112903: Updated OpenID authenticator to correctly use an X.509 certificate exchange.

GitHub Issues

- 112351: Fixed an issue where submitting a large number of comments triggered a GitHub API limit.

IBM Rational DOORS

- 113933: Fixed an issue where the connector caused frequent module locking errors to appear in the product.
- 110034: Improved the performance of retrieving client connections for DOORS.

- 108034: Fixed an issue where the connector sometimes returned empty text or string attributes for an artifact.

IBM Rational DOORS Next Generation

- 113903: Fixed an issue that occurred when creating an IBM DOORS Next collection with non-configured projects.
- 107403: Fixed an issue that occurred when authentication expired for the repository.

Jama

- 113719: Improved error message when items failed to update because of a workflow state lock.

Micro Focus ALM

- 113353: Fixed an issue where a failure occurred when updating locked artifacts.
- 112684: Fixed an issue where ALM rich text values were retrieved with too many line spaces.

Micro Focus ALM Octane

- 114148: Fixed an issue where the Defect field did not appear for Runs.
- 113886: Fixed an issue with ALM Octane error processing.
- 113296: Fixed an issue where a failure sometimes occurred when creating Epic and Automated Test collections.

Microsoft Project Server

- 111707: Updated the Duration field maximum value to 100000 hours. Added two fields to the Repository Connection screen to set Work Day Hours and Work Week Hours.

Microsoft Sharepoint

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

Planview PPM Pro

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

PTC Integrity Lifecycle Manager

- 113449: Fixed an issue where permissions configuration prevented type options from being listed.

ServiceNow

- 113770: Fixed an issue where artifact retrieval failed when the user did not have permissions to retrieve a linked artifact.
- 113146:
- 111288: Improved error handling when timeouts occurred during artifact retrieval.

Targetprocess

- 113837: Fixed an error that occurred when start and end dates were set close together.
- 112293: Fixed an issue where Targetprocess custom fields were included from other processes.
- 111650: Fixed an error that occurred when updating the Assignees field in Targetprocess.

Tricentis Tosca

- 111156: Fixed an issue where ExecutionList and TestCase mistakenly appeared alongside TCFolders.

SDK-Specific Fixes

SDK

- 111374: Fixed an issue where synchronizing multi-select fields caused unnecessary update requests to the Micro Focus Octane API.
- 111647: Fixed an issue where an error could be caused due to contention for DOORS clients.

Features

Tasktop Integration Hub Features

Activity & Issues

- 112760: Updated the UI of the Blockers tab on the Activity screen.
- 112759: Updated the UI of the Background Jobs tab on the Activity screen.
- 112757: Updated the UI of the Activity Screen.
- 112140: Added a new tab on the Activity screen to view and manage artifact pairs.
- 110534: Artifact pairs can now be exported from Tasktop Integration Hub with guidance from Tasktop Support.

Collections

- 113614: Added configuration for a collection's comment text markup.

Extensions

- 111390: Field options are now exposed to Extensions via the 'options' property on the fields within the context.

Integrations

- 84837: Added a new button to swap AND/OR operators within a statement in Artifact Filtering.

Tasktop Integration Hub

- 113732: You can now retrieve the last active timestamp for individual project routes under individual integrations using the overview.json file and /api/v1/usage-overview API. Integrations that do not have artifact associations will not contain last processed times.
- 113295: Added Oracle 18c and 19c database support for the Tasktop SQL Connector.
- 112907: Added integration routing information to the /api/v1/usage-overview REST endpoint and the usage-overview.json file included in the customer support package.
- 112791: Added a database backoff configuration. Hub will now wait for the backoff interval to expire before reauthenticating in case the database is unavailable due to a credential issue. This prevents the Hub database user from being locked out when the database password is changed.

Connector-Specific Features

Atlassian Jira

- 114428: Added support for Jira version 8.16.
- 113884: Added single customer authenticator to Jira and CodeBeamer for Open ID connect. This can be enabled with the following JVM argument: `-Dcom.tasktop.connector.authenticator.customOpenID.enabled=true`
- 112858: Added support for version 11.0 of the Jira Tempo Plug-in.
- 112413: Added support for the 'Status Category' field on Jira issues (read-only).
- 111727: Added support for R4J Folders as container type artifacts.
- 111269: Added PKI/X509 authentication method for Jira and codeBeamer.
- 93517: OR condition support added for query language and assignee field added to query language

Blueprint

- 101185: Added support for Blueprint version 10.3

BMC Remedy

- 114207: Added support for attachments submitted through Digital Workplace.
- 108669: Added support for BMC Remedy version 20.02.

codeBeamer ALM

- 111815: Added support for codeBeamer version 20.11 LTS.
- 113884: Added single customer authenticator to Jira and CodeBeamer for Open ID connect. This can be enabled with the following JVM argument: `-Dcom.tasktop.connector.authenticator.customOpenID.enabled=true`

GitLab Issues

- 113726: Added support for GitLab version 13.9.
- 113232: Added support for GitLab version 13.8.
- 113130: Added support for GitLab version 13.6.
- 112677: Added support for the 'Assignees' field as a multi-person field.
- 112531: Added support for GitLab version 13.5.
- 112458: Added support for the 'Iteration' field as a single-select field.
- 112457: Added support for the 'Milestone' field as a single-select field.
- 112442: Added support for GitLab version 13.7.

IBM Rational DOORS

- 105338: The DOORS connector now logs retrieve and search operations in JSON format, and the logs include custom attributes.
- 103688: Improved concurrency of the DOORS connector by guarding against multi-threaded write access to the same module, as well as allowing more simultaneous read-calls to the repository.
- 103687: Improved change detection performance for the DOORS connector.

IBM Rational DOORS Next Generation

- 112852: Added support for IBM Engineering Requirements Management DOORS Next version 7.0.2.
- 111550: Added support for DOORS Next version 7.0.1.

IBM Rational Team Concert

- 112627: Added support for IBM Engineering Workflow Management version 7.0.2.
- 111551: Added support for IBM Engineering Workflow Management version 7.0.1.

Jama

- 112488: Added support for Sets as a container type artifact.

Micro Focus ALM

- 110434: Added support for Micro Focus ALM version 15.5.

Micro Focus ALM Octane

- 114052: Added support for Micro Focus ALM Octane version 15.1.60.
- 112624: Added support for Micro Focus ALM Octane version 15.1.40.

Micro Focus Dimensions RM

- 97575: Added support for Micro Focus Dimensions RM 12.7

Microsoft Azure DevOps Server (TFS)

- 114041: Fixed an issue where the connector raised an inaccurate error message due to a lack of permissions.

Microsoft Sharepoint

- 112485: Added Azure Active Directory authentication method for SharePoint.

Tricentis Tosca

- 112546: Added support for Tricentis Tosca version 14.0.

VersionOne

- 113269: Added support for VersionOne version 21.0.2.
- 112969: Added support for VersionOne version Fall 2020.

Tasktop Release Notes - 21.2.3

Posted: April 22, 2021

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - IBM Rational DOORS
- Fixes
 - Tasktop Integration Hub Fixes
 - Activity & Issues
 - Integrations
 - Misc
 - Connector-Specific Fixes
 - Atlassian Jira Align
 - Blueprint
 - IBM Rational DOORS
- Features
 - Connector-Specific Features
 - Atlassian Jira

Upgrade Notes

Connector-Specific Upgrade Notes

IBM Rational DOORS

- 115110: The value of the Formal Module field is now the fully qualified path of the module instead of just its name. This may impact field mapping.

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 115132: Fixed an issue where the failed Background Jobs count did not match the number of failed jobs in the list.

Integrations

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

Misc

- 113944: Fixed an issue where running the stop-tasktop.sh script (on Linux) produced an error if the lsof utility was not accessible.

Connector-Specific Fixes

Atlassian Jira Align

- 115006: Fixed an issue where some fields on Capabilities were incorrectly parsed due to a change in the Jira Align API.

Blueprint

- 114702: Fixed an issue where an error was produced if a user did not have a display name.

IBM Rational DOORS

- 115181: Fixed an issue where the connector sometimes did not accurately process when an artifact changed.
- 115110: Fixed an issue where ambiguous module names were used for available DOORS modules in the Manage Projects dialog.

Features

Connector-Specific Features

Atlassian Jira

- 93517: Added query language support for OR condition and Assignee field for Zephyr Cloud.

Tasktop Release Notes - 21.2.4

Posted: April 27, 2021

- Fixes
 - Connector-Specific Fixes
 - IBM Rational DOORS
 - Planview Enterprise
 - Planview LeanKit

Fixes

Connector-Specific Fixes

IBM Rational DOORS

- 115245: Fixed an issue where the connector did not support modules under a Project.

Planview Enterprise

- 115281: Fixed an issue where authentication errors sometimes blocked integrations.

Planview LeanKit

- 115012: Fixed an issue where generating project options sometimes failed.

Tasktop Release Notes - 21.2.5

Posted: April 29, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Product Upgrades
 - Tasktop Integration Hub

Fixes

Tasktop Integration Hub Fixes

Product Upgrades

- 115414: Fixed an issue where integrations did not start after an upgrade when all background jobs had successfully completed.

Tasktop Integration Hub

- 115151: By default, the `/api/v1/usage-overview` API will not return route timestamps. If needed, you can retrieve the route timestamps by calling the API passing the queryString `enableRouteTimestamp=true`.

Tasktop Release Notes - 21.2.6

Posted: May 03, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Configuration History
 - Work Item Synchronization
 - Connector-Specific Fixes
 - Atlassian Jira

Fixes

Tasktop Integration Hub Fixes

Configuration History

- 115194: Fixed an issue where the Configuration History screen did not display properly when there were empty configuration elements or configuration elements without a description.

Work Item Synchronization

- 115443: Fixed an issue causing errors when synchronizing comments and attachments in a one-way integration.

Connector-Specific Fixes

Atlassian Jira

- 115207: Improved the error message when attempting to create a Jira R4J folder with invalid characters or a duplicate name.
- 115206: Improved performance when retrieving R4J folders.

Tasktop Release Notes - 21.2.7

Posted: May 04, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Integrations
 - Connector-Specific Fixes
 - Blueprint
- Features
 - Connector-Specific Features
 - Atlassian Jira

Fixes

Tasktop Integration Hub Fixes

Integrations

- 115536: Fixed an issue where comments and attachments get duplicated when a state transition is performed on the source artifact.

Connector-Specific Fixes

Blueprint

- 111123: Fixed an issue where Work Item collections were not listed in a Container + Work Item integration.

Features

Connector-Specific Features

Atlassian Jira

- 115208: The Jira connector now sets the parent folder of an R4J Folder when the folder is created.

Tasktop Release Notes - 21.2.8

Posted: May 11, 2021

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - Jama
- Fixes
 - Tasktop Integration Hub Fixes
 - Container Synchronization
 - Connector-Specific Fixes
 - Jama
 - ServiceNow

Upgrade Notes

Connector-Specific Upgrade Notes

Jama

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

Fixes

Tasktop Integration Hub Fixes

Container Synchronization

- 115527: Fixed an issue where containers were unnecessarily retrieved more than once during synchronization.

Connector-Specific Fixes

Jama

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

ServiceNow

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

Tasktop Release Notes - 21.2.9

Posted: May 19, 2021

- [Fixes](#)
 - [Tasktop Integration Hub Fixes](#)
 - [Help](#)
 - [Product Upgrades](#)

Fixes

Tasktop Integration Hub Fixes

Help

- 115439: Fixed an issue that occurred when downloading the Support and Usage Report with lastProcessedTimeStamp on routings.

Product Upgrades

- 115497: Fixed an issue where MySQL 5.x jdbc drivers did not work.
- 115133: Fixed an issue where persistent migration failure caused by incomplete project replacement blocked all upgrade processes.

Tasktop Release Notes - 21.2.10

Posted: May 21, 2021

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - Atlassian Jira Align
- Fixes
 - Tasktop Integration Hub Fixes
 - Integrations
 - Connector-Specific Fixes
 - Atlassian Jira
 - Atlassian Jira Align
 - IBM Rational DOORS
 - Planview LeanKit

Upgrade Notes

Connector-Specific Upgrade Notes

Atlassian Jira Align

- 115889: You will need to update collections for Epic and Feature types that map the Program field.

Fixes

Tasktop Integration Hub Fixes

Integrations

- 115033: Fixed an issue where certain errors would not get cleared and block integration processing.

Connector-Specific Fixes

Atlassian Jira

- 115472: Fixed an issue where a search error response caused an unexpected error.
- 115266: Fixed an issue where a session expiry with Crowd authentication caused permission errors.

Atlassian Jira Align

- 115889: Fixed an issue where an error occurred due to a Jira Align API change.

IBM Rational DOORS

- 115702: Fixed an issue where creation of a DOORS collection failed when overlapping folder hierarchy filters were added.

Planview LeanKit

- 115654: Fixed an issue where an error occurred when flowing attachments from Targetprocess to LeanKit.

Tasktop Release Notes - 21.2.11

Posted: May 26, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Work Item Synchronization

Fixes

Tasktop Integration Hub Fixes

Work Item Synchronization

- 115877: Modified change detection thread pool sizing.

Tasktop Release Notes - 21.2.12

Posted: June 01, 2021

- Fixes
 - Connector-Specific Fixes
 - Atlassian Jira
 - VersionOne

Fixes

Connector-Specific Fixes

Atlassian Jira

- 115978: Fixed an issue where artifact revisions were sometimes missing.

VersionOne

- 116140: Fixed an issue where the Backlog Group (multi-select) field displayed all work items as options.

Tasktop Release Notes - 21.2.13

Posted: June 09, 2021

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - IBM Rational DOORS Next Generation
- Fixes
 - Tasktop Integration Hub Fixes
 - Integrations
 - Operational Database
 - Work Item Synchronization
 - Connector-Specific Fixes
 - Atlassian Jira
 - GitLab Issues
 - IBM Rational DOORS Next Generation
 - IBM Rational Team Concert
 - Micro Focus PPM
 - Planview LeanKit

Upgrade Notes

Connector-Specific Upgrade Notes

IBM Rational DOORS Next Generation

- 116143: If a field title uses special characters, field mappings for custom artifact links may need to be recreated.

Fixes

Tasktop Integration Hub Fixes

Integrations

- 116108: Fixed an issue where duplicates could be created if the newly created artifact could not be retrieved immediately after being created.

Operational Database

- 116214: Fixed an issue that caused slow processing and delayed change detection.

Work Item Synchronization

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

Connector-Specific Fixes

Atlassian Jira

- 116221: Fixed an issue where artifact schema discovery failed for users with an unsupported R4J version.
- 116024: Fixed an issue that caused performance issues when synchronizing Jira R4J artifacts.

GitLab Issues

- 115927: Fixed an issue where labels with matching names caused an error when setting up an integration.

IBM Rational DOORS Next Generation

- 116143: Fixed an issue that occurred when directional artifact links had titles containing special characters.

IBM Rational Team Concert

- 116158: Fixed an issue where invalid weblinks sometimes caused failures during artifact retrieval.

Micro Focus PPM

- 116321: Fixed an issue where listing field options sometimes timed out.

Planview LeanKit

- 114692: Fixed an issue where LeanKit error details were not displayed in the exposed error message.

Tasktop Release Notes - 21.2.14

Posted: June 15, 2021

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - Atlassian Jira Align
- Fixes
 - Tasktop Integration Hub Fixes
 - Change Detection
 - Integrations
 - Connector-Specific Fixes
 - Atlassian Jira Align
 - ServiceNow
 - Zendesk

Upgrade Notes

Connector-Specific Upgrade Notes

Atlassian Jira Align

- 116341: A number of fields on the Theme artifact have been updated for Jira Align version 10.96 API changes and may need to be re-mapped.

Fixes

Tasktop Integration Hub Fixes

Change Detection

- 116493: Updated some frequently logged lines to only appear when troubleshooting is enabled.

Integrations

- 116476: Fixed an issue where disabled routes were used by integrations.

Connector-Specific Fixes

Atlassian Jira Align

- 116341: Fixed an issue where the Theme artifact type caused failures.

ServiceNow

- 116222: Reduced time and resources required to search for an artifact with a large number of comments.

Zendesk

- 115335: Fixed an issue that prevented artifacts in Zendesk from synchronizing when a large number of comments made by the same group of users were associated with the artifact.

Tasktop Release Notes - 21.2.15

Posted: June 25, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Change Detection
 - Product Upgrades
 - Twinless Artifact Update

Fixes

Tasktop Integration Hub Fixes

Change Detection

- 116095: Fixed an issue where changes were sometimes missed during change detection (until the subsequent full scan) if searches were interrupted.

Product Upgrades

- 116792: Fixed an issue where upgrades did not complete when a project had been removed from a collection.
- 116419: Configuration validation no longer runs for unmigrated configuration.

Twinless Artifact Update

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

Tasktop Release Notes - 21.2.17

Posted: July 07, 2021

- Fixes
 - Connector-Specific Fixes
 - Atlassian Jira
 - CA Agile Central (Rally)

Fixes

Connector-Specific Fixes

Atlassian Jira

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

CA Agile Central (Rally)

- 116696: Fixed an issue where the Blocked and Blocked Reason fields sometimes failed to update.

Tasktop Release Notes - 21.2.18

Posted: July 16, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Enterprise Data Stream

Fixes

Tasktop Integration Hub Fixes

Enterprise Data Stream

- 116970: Fixed an issue where remove events were created erroneously and duplicated after a full scan.

Tasktop Release Notes - 21.2.19

Posted: July 16, 2021

- Fixes
 - Connector-Specific Fixes
 - Micro Focus ALM Octane
 - Planview Enterprise

Fixes

Connector-Specific Fixes

Micro Focus ALM Octane

- 117195: Fixed an issue preventing integrations with several Octane artifact types from working.

Planview Enterprise

- 116578: Fixed an issue where custom field values did not clear in Planview.

Tasktop Release Notes - 21.2.20

Posted: July 20, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Product Upgrades

Fixes

Tasktop Integration Hub Fixes

Product Upgrades

- 117345: Fixed an issue where integrations did not start after upgrading when all background jobs had successfully completed.

Tasktop Release Notes - 21.2.21

Posted: July 28, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Activity & Issues
 - Infrastructure
 - Connector-Specific Fixes
 - Micro Focus PPM

Fixes

Tasktop Integration Hub Fixes

Activity & Issues

- 115579: Fixed an issue where processing state transitions with back sync resulted in an error.

Infrastructure

- 117444: Fixed an issue where some metric names were not sanitized properly which prevented them from being fetched.

Connector-Specific Fixes

Micro Focus PPM

- 117399: Fixed an issue where duplicate options were listed for Micro Focus PPM fields.

Tasktop Release Notes - 21.2.22

Posted: August 04, 2021

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - Atlassian Jira Align
- Fixes
 - Connector-Specific Fixes
 - Atlassian Jira Align
 - Jama

Upgrade Notes

Connector-Specific Upgrade Notes

Atlassian Jira Align

- 117499: Upon upgrade, the Commercialize and PM Reviewed fields will need to be remapped.

Fixes

Connector-Specific Fixes

Atlassian Jira Align

- 117499: Improved Team Options detection for Jira Align version 10.98 and fixed an issue that prevented the Commercialize and PM Reviewed fields from flowing.

Jama

- 115244: Fixed an issue in Jama that caused multiple duplicate tags to be created sometimes.

Tasktop Release Notes - 21.2.23

Posted: August 11, 2021

- Fixes
 - Connector-Specific Fixes
 - Jama
 - ServiceNow

Fixes

Connector-Specific Fixes

Jama

- 115244: Fixed an issue in Jama that caused multiple duplicate tags to be created sometimes.

ServiceNow

- 117549: Fixed an issue where duplicate tables were not appropriately filtered from System Class options.

Tasktop Release Notes - 21.2.24

Posted: August 18, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Project Replacement
 - Connector-Specific Fixes
 - BMC Remedy

Fixes

Tasktop Integration Hub Fixes

Project Replacement

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

Connector-Specific Fixes

BMC Remedy

- 117563: Fixed an issue that prevented the BMC Remedy connector from functioning properly on Remedy version 20.02 with the SOAP API.

Tasktop Release Notes - 21.2.25

Posted: August 24, 2021

- Fixes
 - Connector-Specific Fixes
 - ServiceNow

Fixes

Connector-Specific Fixes

ServiceNow

- 118165: Fixed an issue where ServiceNow types sometimes surfaced without labels.

Tasktop Release Notes - 21.2.27

Posted: September 14, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Work Item Synchronization
 - Connector-Specific Fixes
 - Atlassian Jira Align
 - BMC Remedy
 - Planview Enterprise
 - Trello

Fixes

Tasktop Integration Hub Fixes

Work Item Synchronization

- 118454: Comments are no longer duplicated when artifact joins are configured and a custom model without artifact links is used

Connector-Specific Fixes

Atlassian Jira Align

- 118389: Fixed an issue where artifacts without a last updated date were not detected.

BMC Remedy

- 118133: Fixed an issue that sometimes resulted in read-only field values being submitted in state transition and update operations.

Planview Enterprise

- 118220: Fixed an issue with value constraints for the Percent Complete field.

Trello

- 118192: Fixed an authentication issue that prevented attachment retrieval.

Tasktop Release Notes - 21.2.28

Posted: September 22, 2021

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - General (Integrations)
- Fixes
 - Connector-Specific Fixes
 - IBM Engineering Requirements Management DOORS Family
 - IBM Engineering Requirements Management DOORS Next

Upgrade Notes

Connector-Specific Upgrade Notes

General (Integrations)

- 78995: Fixed an issue where a dependency sometimes introduced potential security vulnerabilities. [Security Fix]

Fixes

Connector-Specific Fixes

IBM Engineering Requirements Management DOORS Family

- 118847: Fixed an issue where the connector mistakenly canceled change detection.

IBM Engineering Requirements Management DOORS Next

- 118142: Fixed an issue that prevented DOORS Next collections from being created when a custom field URI ending in "project" existed.

Tasktop Release Notes - 21.2.29

Posted: October 06, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Integrations
 - Connector-Specific Fixes
 - General (Integrations)

Fixes

Tasktop Integration Hub Fixes

Integrations

- 114784: Fixed an issue where integrations could not be stopped when repository credentials were invalid.

Connector-Specific Fixes

General (Integrations)

- 117923: Fixed an issue where Jira rich text fields were not read properly.

Tasktop Release Notes - 21.2.30

Posted: October 13, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Time Tracking
 - Twinless Artifact Update

Fixes

Tasktop Integration Hub Fixes

Time Tracking

- 119054: Fixed an issue where worklogs were sometimes duplicated when using a person reconciliation extension that returned an invalid value.

Twinless Artifact Update

- 119456: Fixed an issue where twinless artifact update was not triggered.

Tasktop Release Notes - 21.2.31

Posted: October 19, 2021

- Fixes
 - Connector-Specific Fixes
 - QASymphony qTest Manager

Fixes

Connector-Specific Fixes

QASymphony qTest Manager

- 117672: Added 'Inactive' to field mapping labels for inactive options.

Tasktop Release Notes - 21.2.32

Posted: October 27, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Artifact Pair Management
 - Change Detection
 - Configuration History
 - Tasktop Integration Hub

Fixes

Tasktop Integration Hub Fixes

Artifact Pair Management

- 118134: Fixed an issue where artifacts pairs could not be deleted when a project was unavailable.

Change Detection

- 116996: Fixed an issue where processing would sometimes stall after a configuration change.

Configuration History

- 116059: Fixed an issue where an error appeared when navigating to the Configuration History screen or during an upgrade when Hub performed a configuration migration.

Tasktop Integration Hub

- 119762: Fixed an issue where Tasktop Windows service showed a timeout error when stopped via the Stop Tasktop shortcut or Services window.
- 115609: Fixed an issue where Tasktop could not successfully shutdown on a Windows system.

Tasktop Release Notes - 21.2.33

Posted: November 17, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Twinless Artifact Update

Fixes

Tasktop Integration Hub Fixes

Twinless Artifact Update

- 114656: Fixed an issue where Twinless Artifact Update failed for work items with no Summary field.

Tasktop Release Notes - 21.2.34

Posted: November 23, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Change Detection

Fixes

Tasktop Integration Hub Fixes

Change Detection

- 118271: Fixed an issue where synchronization failed for collections containing projects with no artifacts of the selected type.

Tasktop Release Notes - 21.2.35

Posted: December 15, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Infrastructure

Fixes

Tasktop Integration Hub Fixes

Infrastructure

- 121009: Addressed critical security vulnerability CVE-2021-44228 (log4j2 Remote Code Execution vulnerability). [\[Security Fix\]](#)

Tasktop Release Notes - 21.2.36

Posted: December 16, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Infrastructure

Fixes

Tasktop Integration Hub Fixes

Infrastructure

- 121200: Contains updated fix for log4j vulnerability (CVE-2021-44228 and CVE-2021-45046). [\[Security Fix\]](#)

Tasktop Release Notes - 21.2.37

Posted: December 21, 2021

- Fixes
 - Tasktop Integration Hub Fixes
 - Infrastructure

Fixes

Tasktop Integration Hub Fixes

Infrastructure

- 121322: Upgraded log4j to 2.17.0. [Security Fix]

Tasktop Release Notes - 21.2.38

Posted: January 18, 2022

- Fixes
 - Tasktop Integration Hub Fixes
 - Operational Database

Fixes

Tasktop Integration Hub Fixes

Operational Database

- 121737: Fixed an issue where event processing was delayed on MySQL 5.

Tasktop Release Notes - 21.2.39

Posted: January 27, 2022

- Fixes
 - Connector-Specific Fixes
 - Digital.ai Agility

Fixes

Connector-Specific Fixes

Digital.ai Agility

- 121740: Fixed an issue where a limited number of results were returned during change detection.

Tasktop Release Notes - 21.2.40

Posted: February 11, 2022

- Features
 - Connector-Specific Features
 - WhiteHat Sentinel

Features

Connector-Specific Features

WhiteHat Sentinel

- 122357: The WhiteHat Sentinel connector now sends the API Key in the request header instead of the request URI.

Tasktop Release Notes - 21.2.41

Posted: February 24, 2022

- Fixes
 - Tasktop Integration Hub Fixes
 - Artifact Union
 - Container Synchronization

Fixes

Tasktop Integration Hub Fixes

Artifact Union

- 117223: Fixed an issue where changes to Artifact Union fields used in Artifact Filtering did not trigger synchronization.

Container Synchronization

- 122476: Fixed an issue where artifacts sometimes failed to be processed with a "No value present" error.

Tasktop Release Notes - 21.2.42

Posted: March 02, 2022

- Upgrade Notes
 - Connector-Specific Upgrade Notes
 - Planview Enterprise
- Fixes
 - Connector-Specific Fixes
 - Planview Enterprise

Upgrade Notes

Connector-Specific Upgrade Notes

Planview Enterprise

- 122443: If using numeric fields with decimal places in Planview, they will need re-mapped as they now appear as Double fields in Hub.

Fixes

Connector-Specific Fixes

Planview Enterprise

- 122443: Fixed an issue that caused numeric fields to truncate decimal places in Planview.

Tasktop Release Notes - 21.2.43

Posted: March 16, 2022

- Fixes
 - Tasktop Integration Hub Fixes
 - Configuration History
 - Product Upgrades
 - User Management

Fixes

Tasktop Integration Hub Fixes

Configuration History

- 117471: Fixed an issue where the Configuration History screen failed to load after a state transition extension was deleted.

Product Upgrades

- 122265: Fixed an issue where background jobs were interrupted by internal processing restarts upon upgrading.

User Management

- 123065: Fixed an issue where an error mistakenly appeared in Hub when logged in as a troubleshooting user.

Tasktop Release Notes - 21.2.44

Posted: March 23, 2022

- Fixes
 - Connector-Specific Fixes
 - Atlassian Jira

Fixes

Connector-Specific Fixes

Atlassian Jira

- 123192: Fixed an issue where the Parent field was incorrectly marked as required.

Tasktop Release Notes - 21.2.45

Posted: March 30, 2022

- Fixes
 - [Tasktop Integration Hub Fixes](#)
 - [Tasktop Integration Hub](#)

Fixes

Tasktop Integration Hub Fixes

Tasktop Integration Hub

- 123547: Updated the default memory settings for Hub and garbage collection method to ParallelGC. This setting can be overwritten using the 'tomcat.java.memory' property.

Tasktop Release Notes - 21.2.46

Posted: April 13, 2022

- Fixes
 - Tasktop Integration Hub Fixes
 - Tasktop Integration Hub

Fixes

Tasktop Integration Hub Fixes

Tasktop Integration Hub

- 123698: This release contains a number of bug fixes. [\[Security Fix\]](#)

Tasktop Release Notes - 21.2.47

Posted: May 10, 2022

- Fixes
 - Tasktop Integration Hub Fixes
 - Collections

Fixes

Tasktop Integration Hub Fixes

Collections

- 124402: Fixed an issue where field values could not be configured for fields with IDs containing the "/" character.