

## TopBraid Suite 7.4.0

- Feature: TBS-1418: It is now possible to start workflows that can also edit included sub-graphs.
- Feature: TBS-4994: Add Thread Dump to Process Management admin page
- Feature: TBS-5059: The inherited properties section on class/node shape forms now has a button to further constrain a property shape.
- Feature: TBS-4937: SWP services that get exposed via ADS may now declare `dash:hasSideEffects` to indicate that the resulting ADS API functions cannot be executed in Preview mode. Applied this mechanism to various built-in services such as `tbs.createAssetCollection`.
- Feature: TBS-5070: Added `tbs:clearAssetCollection` to API.
- Feature: TBS-5050: Import RDF file now has an option to incrementally update the asset collection, which will delete triples that are not in the file, and preserve the change history where possible.
- Feature: TBS-5126: Added ADS function `IO.debug()` to print debug statements to console, and to server log when corresponding config setting is activated.
- Feature: TBS-5156: Added API function `tbs.propertyLabelAtAsset` (similar to `swa.propertyLabelAtNode`, but lifted to official API status).
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- Feature: TBS-4579: Integrated spell-checking for literal values in selected languages, see "spell check languages" on property shapes.
- Improvement: TBS-4981: Updating `xlsx` library

- Improvement: TBS-4979: Updated react-select library
- Improvement: TBS-5013: Ellipse the form header when the text collides
- Improvement: TBS-5046: SPARQL Query panel now has a progress/busy indicator and shows a green tick when query was executed OK.
- Improvement: TBS-4887: Improve message on place holder panel and layout will not be stored in local storage if placeholder panel is present
- Improvement: TBS-4959: Create asset dialogs now also list required properties from shapes that are attached via sh:targetClass or dash:applicableToClass.
- Improvement: TBS-5082: Find Usages in Other Asset Collections now also finds predicate usages of properties and sh:paths of property shapes.
- Improvement: TBS-5081: Converted some blank nodes in tosh and dash to URIs to avoid file merging problems.
- Improvement: TBS-5085: ADS graph.transaction function now has the first argument optional and has better error handling.
- Improvement: TBS-5040: Allow Asset Collections Summary to overflow scroll when needed
- Improvement: TBS-5128: Added a cache that should make most GraphQL queries and the Form Panel faster, esp if some large files are owl:imported.
- Improvement: TBS-5135: ADS scripts and GraphQL mutations now reject to commit added triples that contain malformed URIs, preventing data corruption.
- Improvement: TBS-5135: Wikidata suggestions algorithm now rejects malformed URIs in case they were returned by the wikidata server.

- Improvement: TBS-4974 Add Open API (Swagger) documentation for Send Projects and Search the EDG
- Improvement: TBS-2812 Added more options to the QA report for `edg:AssetTypeReport` suppressing attributes on aspect classes (unless they are the focus node), adding 2 more options to show attributes in association diagrams.
- Improvement: TBS-5155: The workflow transitions page now prints the `rdfs:comment` at each transition itself before falling back to the default text.
- Improvement: TBS-5125: Tabular ADS script results viewer now has the option to display and export *\*all\** rows beyond the configured max row count.
- Improvement: TBS-4795: Make change history time stamp format consistent with the format used elsewhere.
- Improvement: TBS-5173: Microsoft 365 integration now supports client credentials authentication.
- Improvement: TBS-5148: Adds "Dialogs" to the "TB" namespaces, "Dialogs" is a registry of the known dialogs registered for the EDG Editor.
- Improvement: TBS-5104: Add Open API link to admin page for 'context free' services.
- Improvement: TBS-5186: Add `UserSelectorComponent` and `RichTextEditor` to "TB" namespace.
- Improvement: TBS-5177: Add Open API (Swagger) documentation for SPARQL Endpoint.
- Improvement: TBS-5125: Tabular ADS script results viewer now has the option to display and export *\*all\** rows beyond the configured max row count.
- Improvement: TBS-5163: `ui:Scripts` now also use `ui:overrides` (including for `ui:dependsOn`).

- Improvement: TBS-4846: The viewer for sh:paths on forms now supports right-click context menu, e.g. to replace the property everywhere.

- Improvement: TBS-5119: The Layouts button now also lists the default layouts for the asset collection types that are owl:imported.

- Improvement: TBS-5129: dash:ValueTableViewer now offers a New button when allowed by the model.

- Improvement: TBS-4730: Files tree now shows propagated red ! labels on folders contained outdated editable files.

- Improvement: TBS-5075: Update microsoft-graph SDK library to version 5.33.0 and azure-identity to 1.5.4.

- Improvement: TBS-3638: Removed some form setting options when in Explorer

- Improvement: TBS-4351: Workflow report panel

- Improvement: TBS-4579: Problems and Suggestions report now also renders the language tag of rdf:langString values.

- Change: TBS-4954: The Query booster is now enabled by default. Disable on advanced server config if you run into unexpected issues.

- Change: TBS-4855: Last change user and date now also use most recent workflow commit.

Note: The internally used teamwork:lastChange triple may now also point at such status change resources.

- Change: TBS-5051: The SPARQL endpoint for UPDATES no longer supports using-named-graph-uri - use USING NAMED if needed.

Also using-graph-uri no longer maps to USING as that would make any other named graphs in the WHERE clause inaccessible.

Instead, using-graph-uri merely sets the default graph for the UPDATE operation, similar to WITH.

- Change: TBS-4005: DDL schema importer now creates data type names with correct vendor rather than "JDBC".

- Change: TBS-5121: It is no longer supported to declare spin:MagicProperties outside of files that are globally registered at start-up or when the workspace refreshes: They must be defined in .spin.\* or .ui.\* files or files that are owl:imported by such.

- Change: TBS-5087: ADS code generator now uses graphql:name for class names, where available.

- Change: TBS-5086: Dragging a Taxonomy and Class tree node (in move mode) now only removes the parent relationship to the original parent node, leaving other parent relationships in a multi-hierarchy unchanged.

- Change: SparqlMotion module sml:ConvertDDLToRDF changed argument sml:text to sml:filePath.

- Change: TBS-5239: RDF import into asset collections will now reject files with invalid URIs, while previously some invalid URIs were allowed. For example, URIs containing "[" or "]", or multiple "#" or "?" characters.

- Bug fix: TBS-4964: Deactivating Comments and Tasks now also removes the corresponding Explore menu items and form header section.

- Bug fix: TBS-4999: API function tbs.possibleWorkflowStatuses sometimes returned too few matches, as did the workflows count on the subject areas page.

- Bug fix: TBS-4775: Various bug fixes for tops:files property function when ?skipSystemProjects true

- Bug fix: TBS-5071: Problems & Suggestions report (and corresponding GraphQL graphReport feature) now really only validate the instances of the selected class (was: looking at all instances of the superclasses, including sibling class instances).
- Bug fix: TBS-5041: Fixes server Admin dropdowns cutoff
- Bug fix: TBS-5042: Fix overflow issue within the config form when value is large enough
- Bug fix: TBS-5142: Some QUDT graphs were not indexed by the Lucene index and therefore not findable via free-text search.
- Bug fix: TBS-5138: Asset Hierarchy panels sometimes did not resolve the icon of the root resource.
- Bug fix: TBS-5152: ADS/JavaScript engine sometimes crashed when it tried to convert malformed number literals to primitive JavaScript values.
- Bug fix: TBS-5151: File > Download Graph from URL fixed using standard Jena download algorithm.
- Bug fix: TBS-5157: Fixed a problem with SHACL alternative path syntax conversion, see <https://github.com/TopQuadrant/shacl/issues/145>.
- Bug fix: TBS-5176: Fixed a minor rendering issue with owl:oneOf enumerations in the user interface.
- Bug fix: TBS-5184: SPARQL endpoint crashed on UPDATES where an unbound variable was used in the INSERT or DELETE clauses.
- Bug fix: TBS-5172: Delete staged backup file if restore fails because of corrupt backup
- Bug fix: TBS-5093: Fixed broken link "Return to Production Copy" on the Workflows tab.
- Bug fix: TBS-5211: Fixed missing database type selector in DDL import for Data Type collection.

- Bug fix: TBS-5052: Ability to add scope to OAuth token request if required
- Bug fix: TBS-5210: User page was missing governance roles if they were assigned via security role
- Bug fix: TBS-4898: A security role with a space in it caused an error when syncing to Data Platform
- Bug fix: TBS-5093: Fixed broken link "Return to Production Copy" on the Workflows tab.
- Bug fix: TBS-5211: Fixed missing database type selector in DDL import for Data Type collection.
- Bug fix: TBS-5205: Fixed problems with importing large DDL files.
- Bug fix: TBS-5055: Fixed Search the EDG results opening in two identical tabs
- Bug fix: TBS-5187: Fixed issue with workflows in progress page. HTML was being rendered as string
- Bug fix: TBS-5024: ScrollTo in PagingTable will target current active table
- Bug fix: TBS-5241: spif:buildURI and the spreadsheet importer no longer permit [ or ] in string insertions, preventing malformed URIs.
- Bug fix: TBS-5217: Taxonomy tree now also uses custom icons for concept schemes.
- Bug fix: TBS-5255: Fixed bad styling on Affected Workflows Dialog.
- Bug fix: TBS-5240: Backup/restore fails when workspace contains invalid URIs
- Bug fix: TBS-5242: Backup/restore fails when workspace URIs contain "fatal" characters

- Bug fix: TBS-5094: fix DateTime Picker user now can select UTC + 0 offset.
- Bug fix: TBS-4996: SPARQL queries to remote SERVICE endpoints would not authenticate using Basic authentication.
- Bug fix: TBS-5266: Restore during system restart fails because of permissions violation
- Bug fix: TBS-5275: OWLManchesterSyntaxEditor sometimes showed up twice on value editor dropdown
- Deleted: TBS-5118: Deleted legacy SPARQL function smf:refreshGraphStore
- Deleted: TBS-5122: Deleted legacy SPARQL functions uix:isEVN and uix:isEDG
- Deleted: TBS-5124: Support for partial imports using the <http://rdfex.org/> schema.
- Removed: TBS-5078: Delete support for `cfg:enableWebImports`
- Removed: TBS-5078: Delete built-in redirects for various legacy daml.org URIs