# To Infinity and Beyond!

New Features, Improvements, and Changes

**Active Workspace 2312+**

# Active Workspace



- Active Workspace is a web-based client and user interface for Teamcenter that can run on any device with a web browser, such as a mobile phone, tablet, or laptop.

- It helps you create and manage data in your enterprise's product lifecycle management (PLM) system.

- The web interface shows you everything you need to get your work done quickly and easily.

- The image shows you the main work area and how it is tailored to fit your needs.
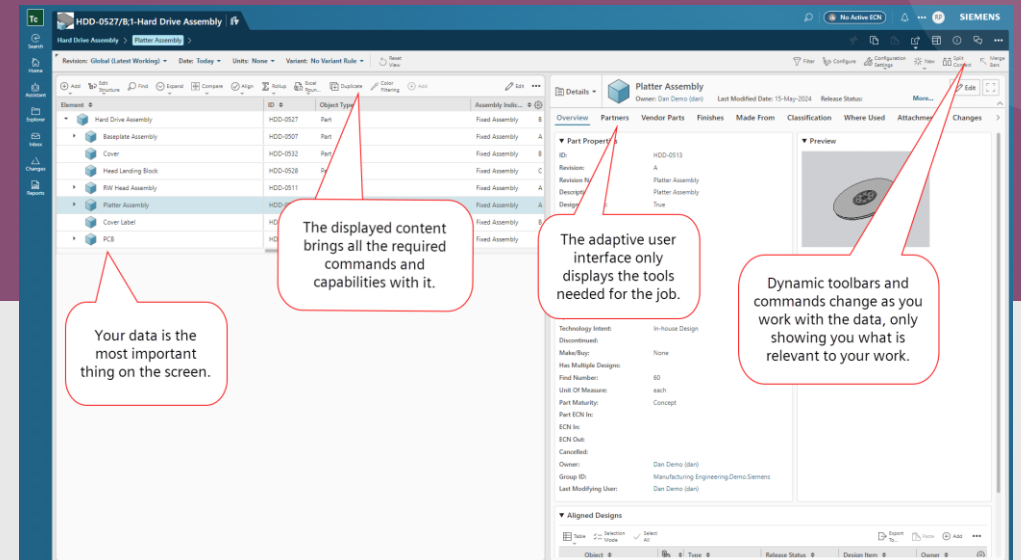
# Fundamentals

- Navigation is easy and straightforward.

- The Home Page contains tiles that launch various commands, such as viewing your schedules, opening your Inbox, and managing your changes, as well as links to commonly-used functions and the search box.
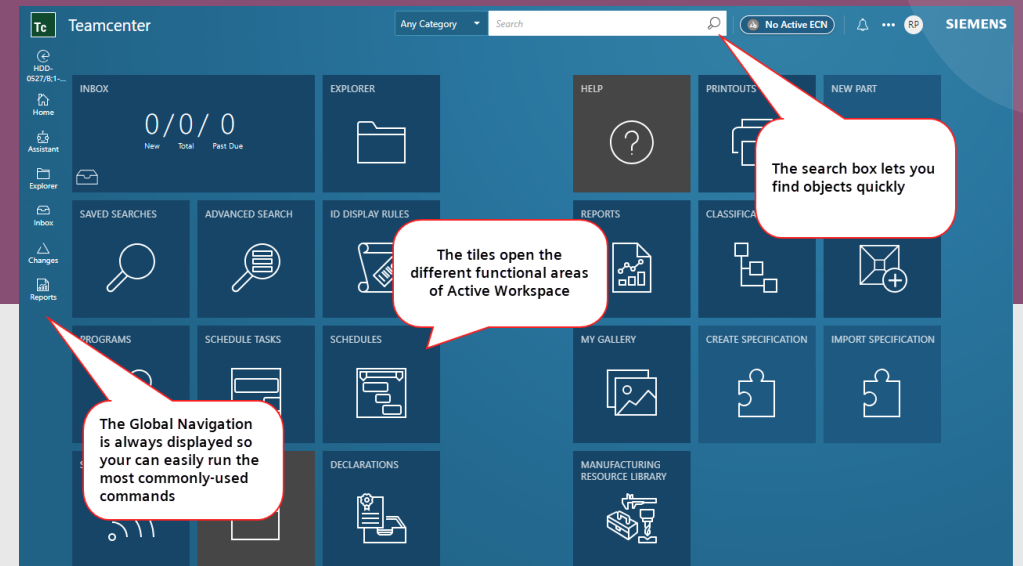
# Workflows

- Workflows are a series of required tasks, such as approvals (signoffs) and reviews, performed on an object, such as a part, document, or change.

- The workflow contains tasks related to the type of workflow launched for the object.

- These tasks are automatically sent to the responsible participant's Inbox.

- Once all the work is complete, the object is released from the workflow.

# Change Management



- When a change is requested for an object, usually due to a problem found with it, it must go through a series of design revisions and approvals before the change is released.

- When you create a new change and submit it, a workflow is triggered that starts the process of tracking the work on the requested change.
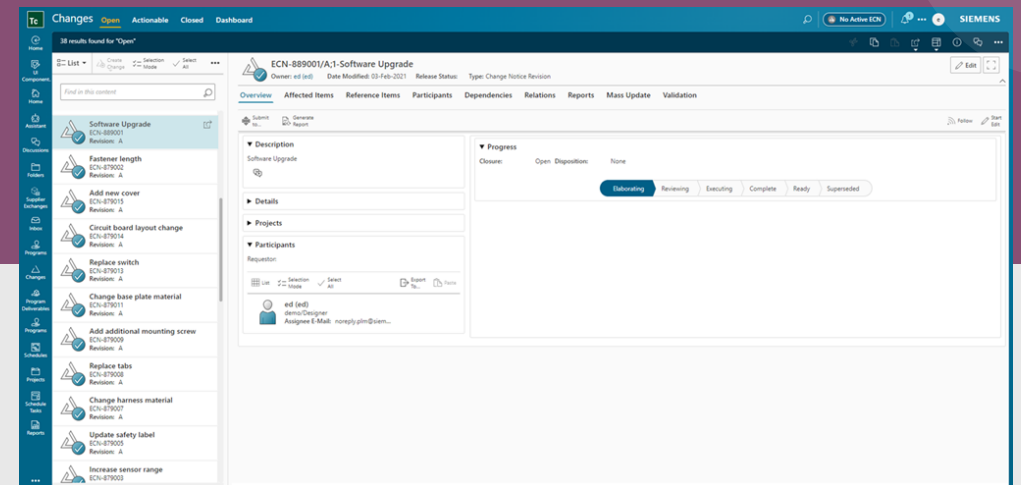
# User Interface



- For Teamcenter 2312, the Active Workspace user interface underwent several significant changes in terms of form and function.

- This includes changes in the **Home page** and **global navigation**, the **primary toolbar**, page **headers** and **layouts**, **folders**, and design and behavior changes for some UI elements.

- Accordingly, we have revised the documentation to include updated graphics and videos to orient you to the interface changes.
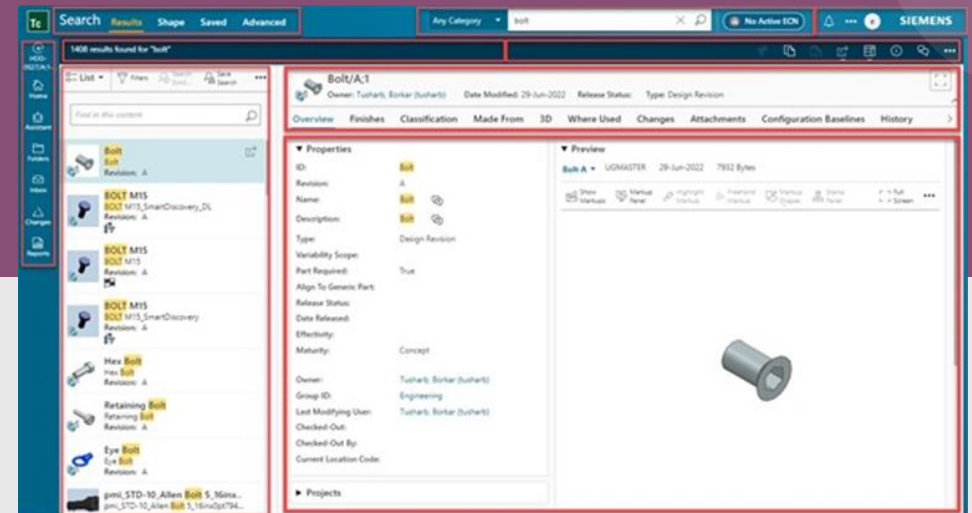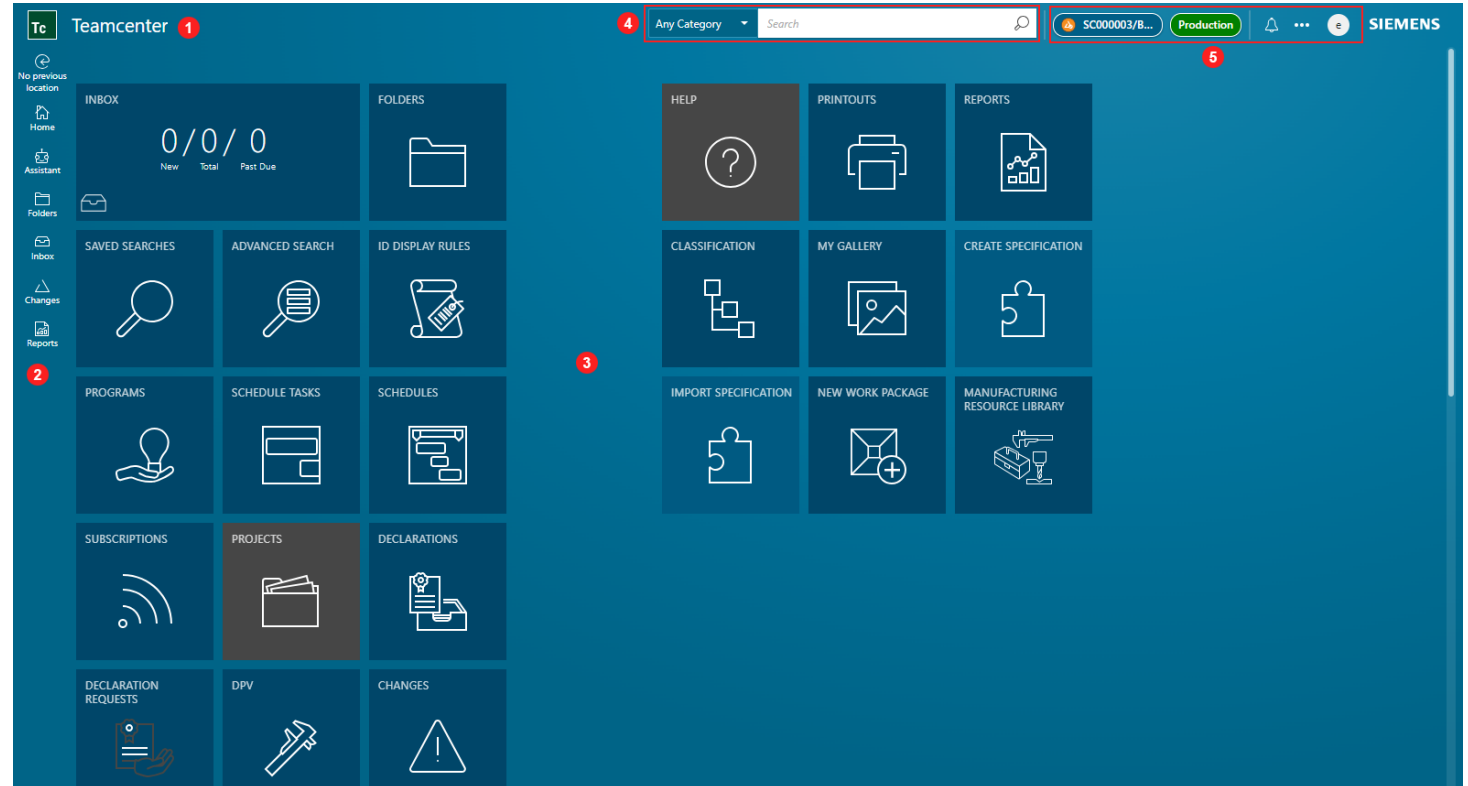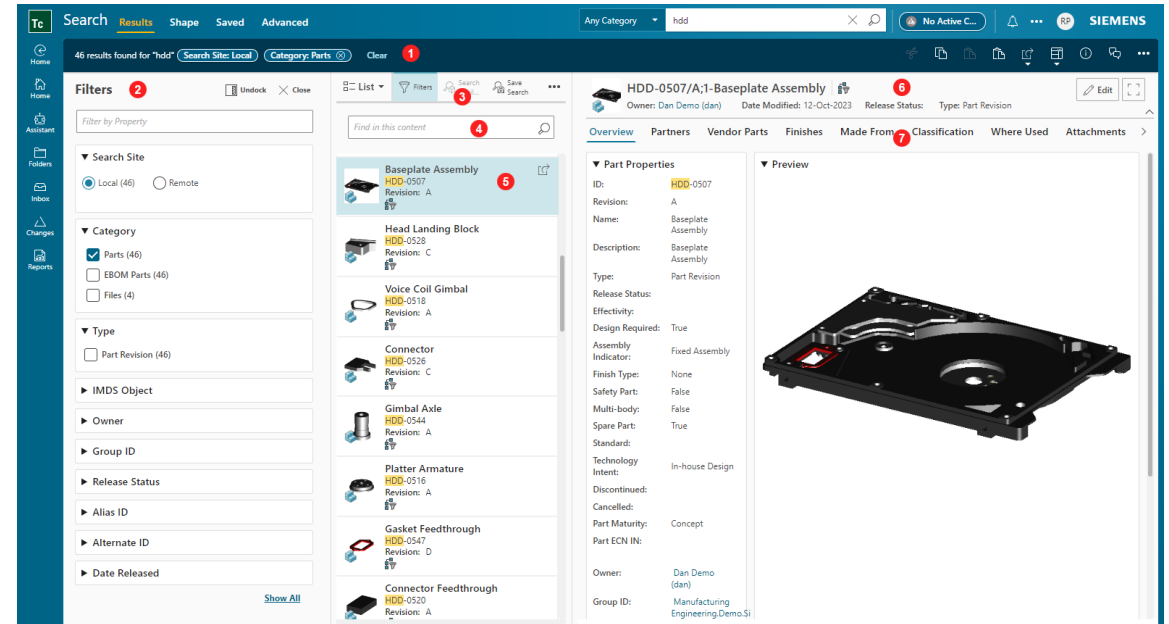
User Interface

A Complete Redesign

# Home Page

- Global Header
- Global Navigation
- Tiles
- Global Search
- Session Controls

# Search Page

- Results Panel

- Filters Panel

- Results Panel Toolbar

- In-context Panel

- Results Panel

- Object Information

- Tabs

# Suggestions

- Throughout a product's life cycle, you need to keep track of multiple drawings, attachments, and item revisions.

- There is no need to remember folders or directories where this data is located because you can use several search and filter options to locate any data stored in Teamcenter.
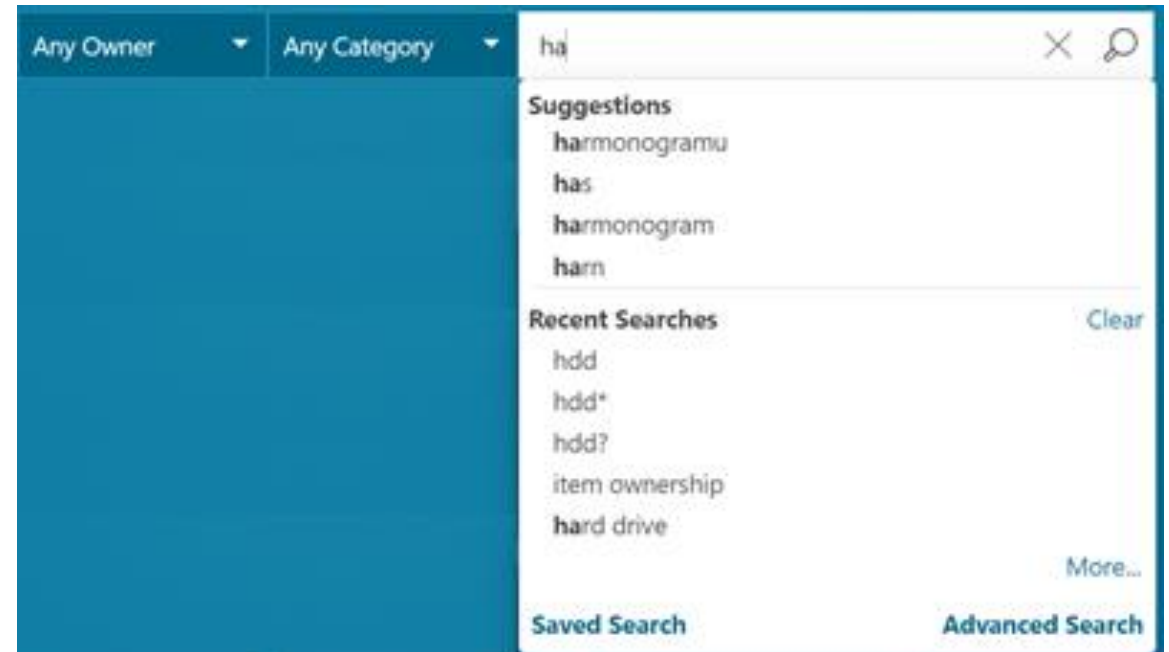
# Object Page

- Object information and options

- Primary Toolbar

- Work Area Toolbar

- Work Area

- Tabs
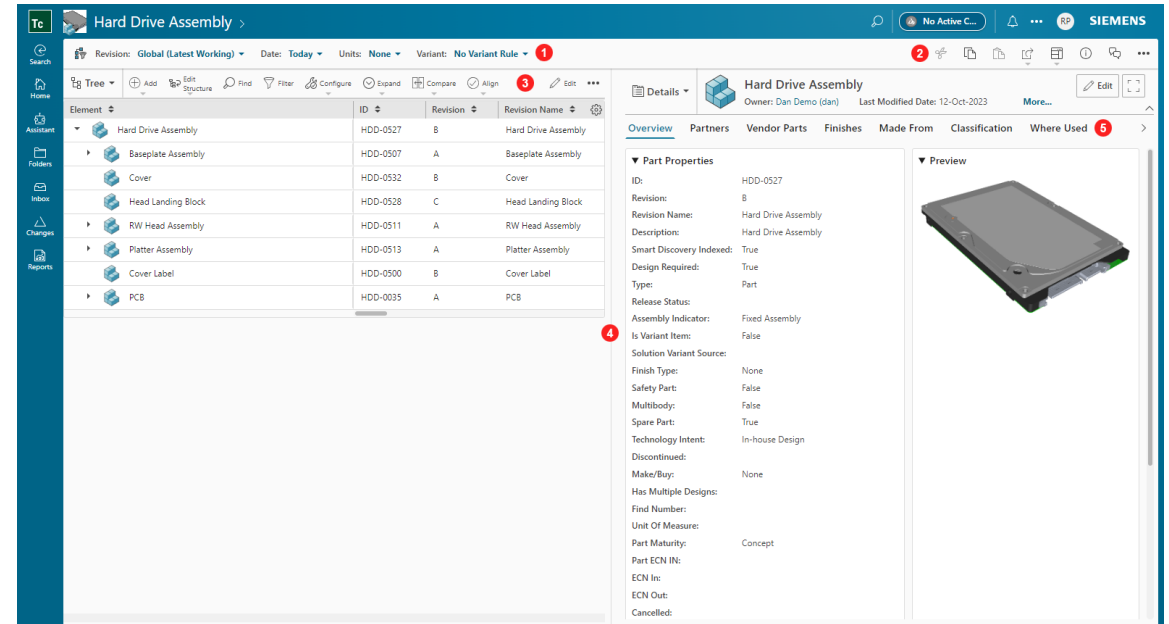
# Breadcrumbs

- he search **Results** page displays the filters that are applied to search results.

- Related filter values are grouped together in the breadcrumb, regardless of the order in which you choose them.

- Search criteria entered in **Find in this content** appear in the breadcrumb.
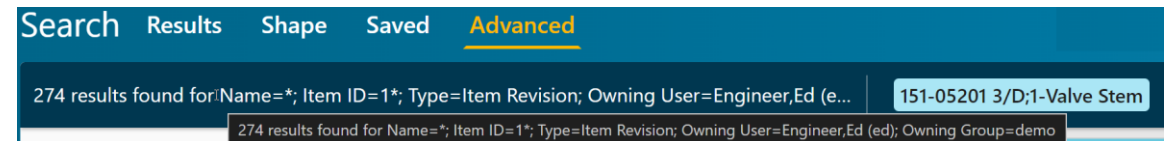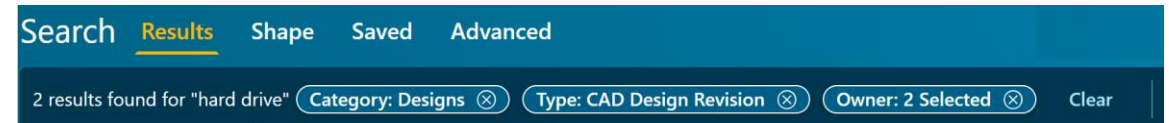
# Folders

- Top-level Folder
- Favorites
- Active Folders
- Home
- Project Data
- Overview
- Contents

# User Environment

- The properties displayed in the pop-up can vary depending on your group and role.

- For example, if only one workspace is configured for your role, the **Workspace** property is not present.

# Memberships

- Your user profile page enables you to provide information about yourself that other users can see and set several defaults and preferences that are applied when you work in Active Workspace.

- This topic explains how to access the page and describes the most common settings that new users may want to adjust.
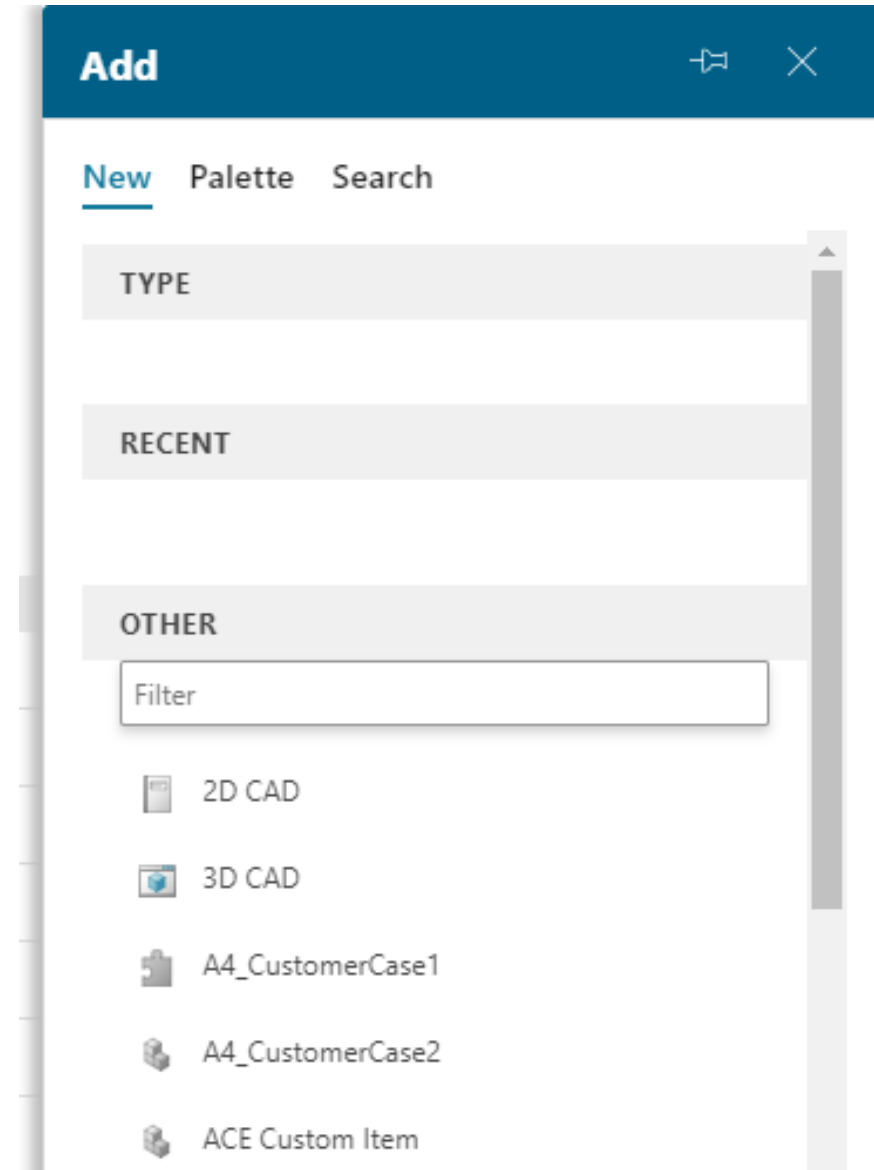
# Task Panel

- Some commands open a task panel. Typically, these panels display over the top of the information in the work area. Examples include **Add** panel, **Create Change** panel, and **Trace Link** panel.

# Move and Resize Panels

- As you work with data objects, you may open panels to perform your task.

- Some panels, such as the **Information** panel, can be undocked and moved around the browser window.

- When undocked they can also be resized.

- When you re-dock a panel to return it to its default location, the next time you undock the panel, it returns to its last undocked size and position.
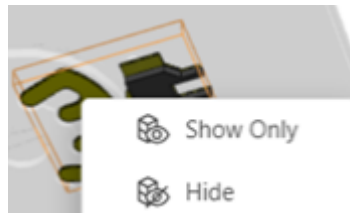
# Table Columns

• Create, save, and open different column arrangements to control which columns appear in tables and trees. When viewing a table or tree, the default column arrangement appears if you have not previously viewed the table. If you viewed the table previously, you see the last column arrangement used. You can open a different column arrangement, or add more columns to a table you are currently viewing to create a new column arrangement.
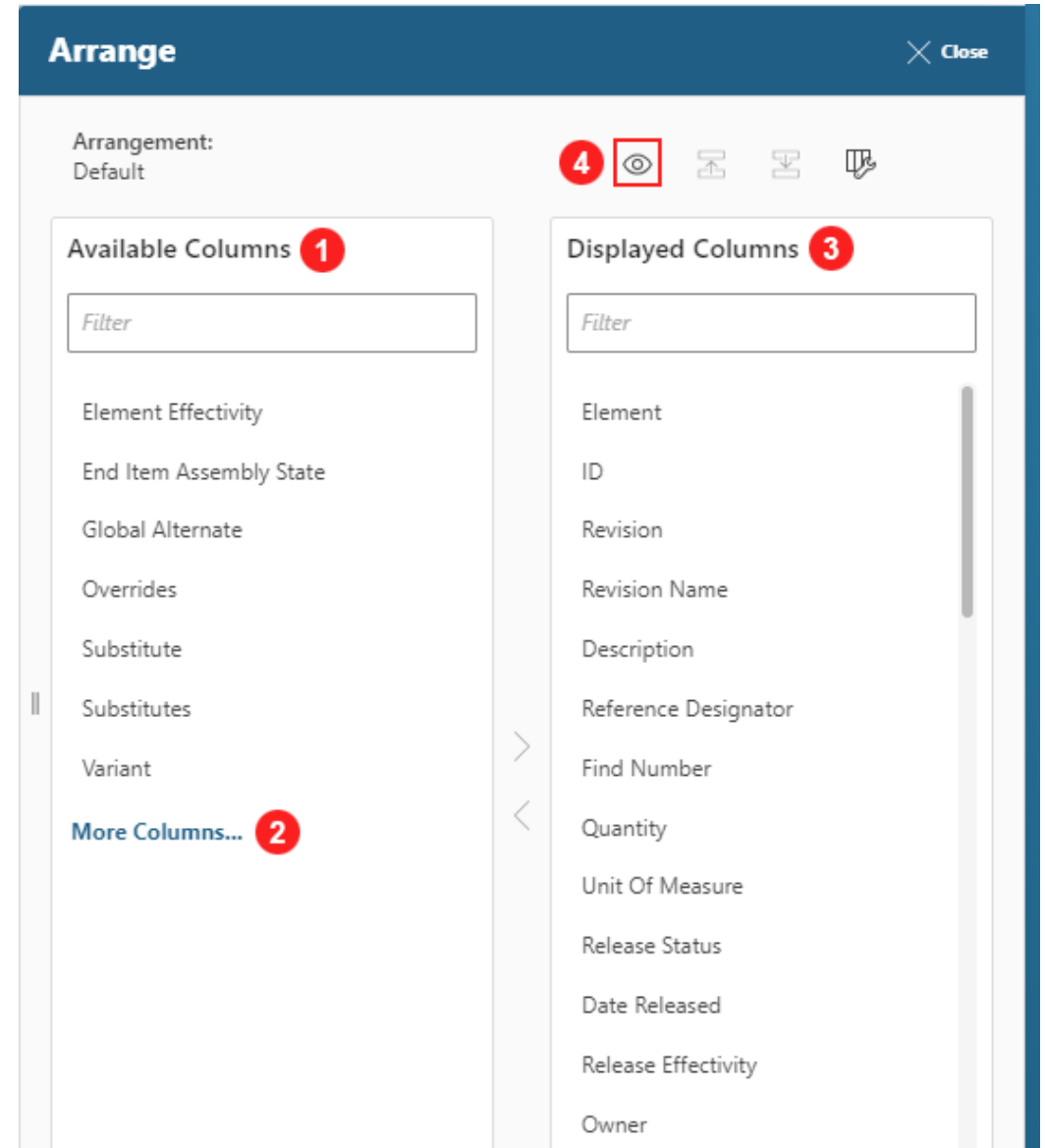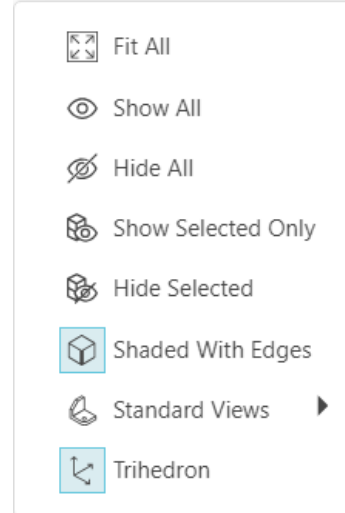
# Context Menu

• Access various commands in the context of the items that you are working with by right-clicking the items.
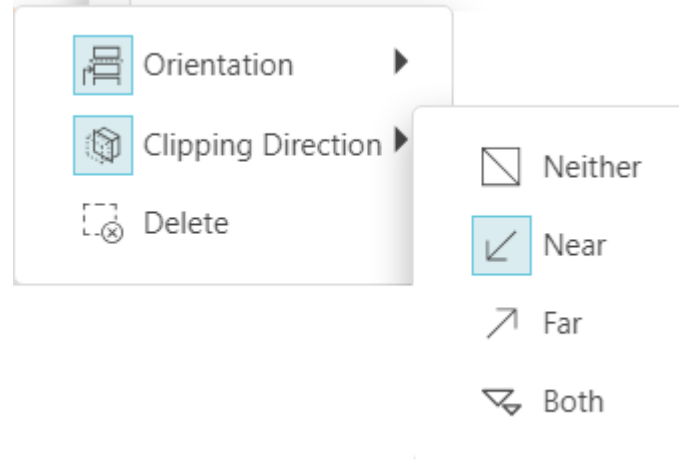
**3D viewer**

- Fit All
- Show All
- Hide All
- Show Selected Only
- Hide Selected
- Shaded With Edges
- Standard Views ▶
- Trihedron

**Section**

- Orientation ▶
- Clipping Direction ▶
  - Neither
  - Near
  - Far
  - Both
- Delete

**Part**

- Show Only
- Hide

**Measurement**

0.0003 m

- Delete

**Markup**

- Edit
- Delete
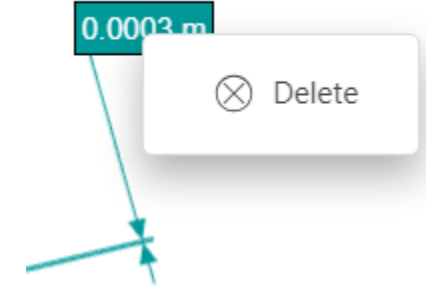
# Layout Manager

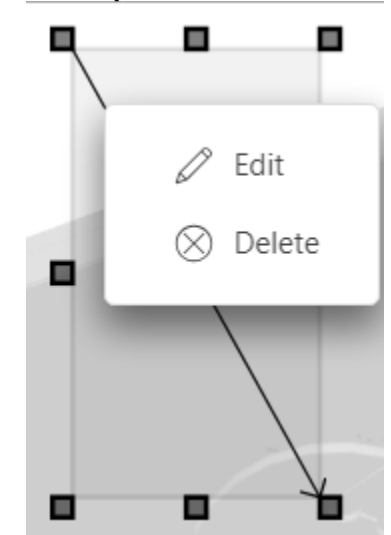- Since the 2312 release and continuing in this release, page layout information is stored locally.

- The default layout configured on the server is applied if your browser or device does not have local page layout information stored.

- Once you select a layout, it is displayed each time you return to the same page until you select a different layout.

- If you open that same page's URL in a different browser or device, the default layout is applied, and new local layout information is stored for that URL.
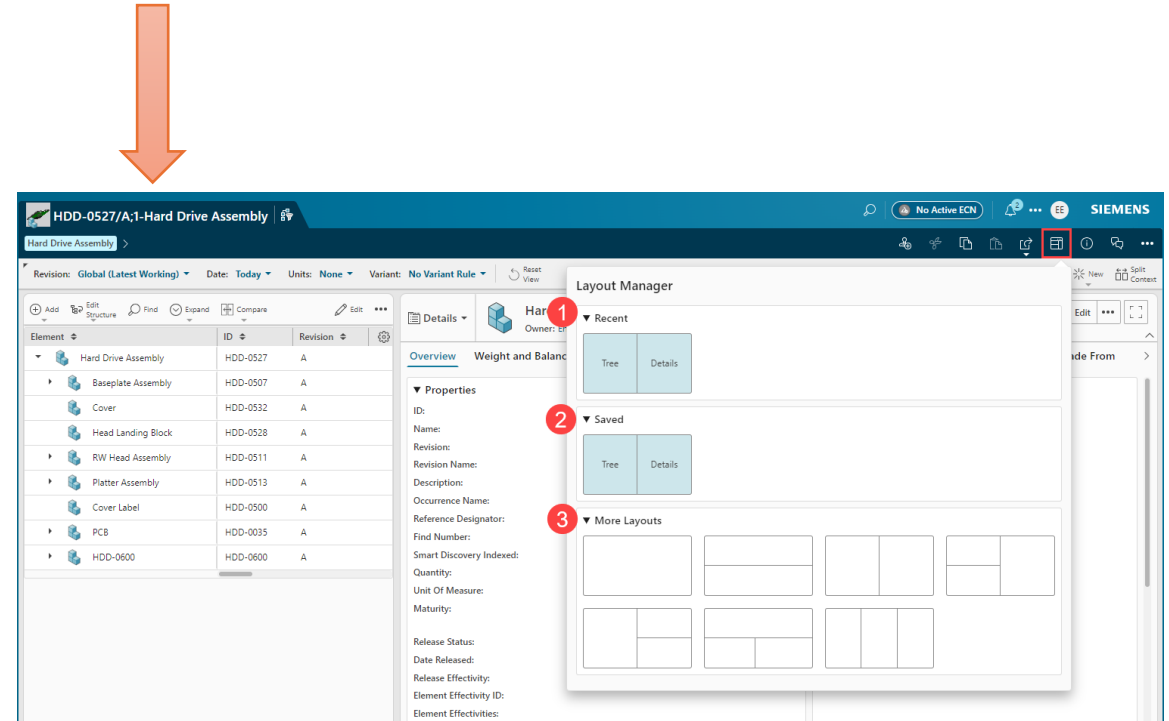
# LOV as Table

- Previously, dropdown lists of values (LOVs) showed only the **Value**.

- Some drop-down lists now appear as a table rather than as a list of single values.

- You can search for values in these tables.

- As an administrator, to configure this option, a new **renderingHint** named **lovTable** must be appended in the stylesheet to a property that has an LOV attached to it.

- <property name="aw2+LongString_LOV" renderingHint="lovTable"/>
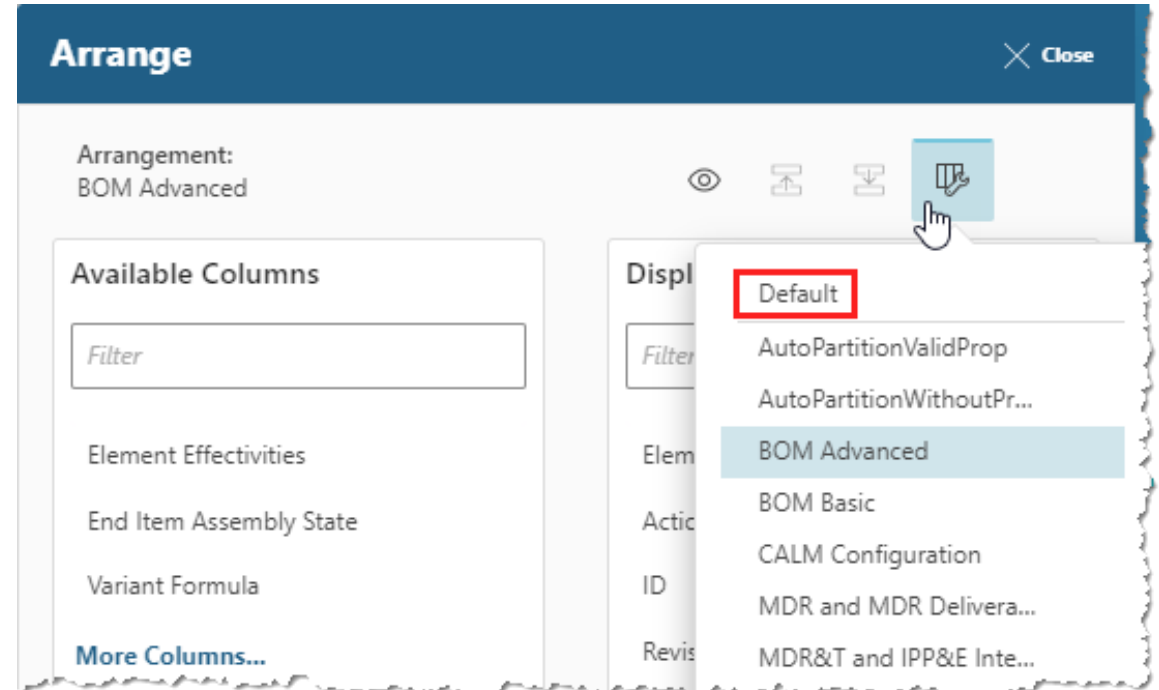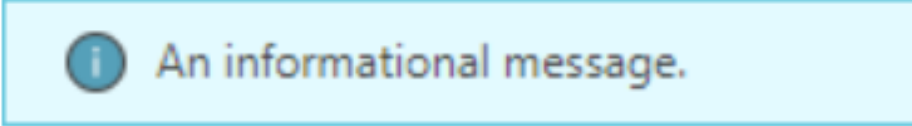
# Toolbar

- Starting in 2406, properties and details other than the name of the revision may not appear on the toolbar when the Active Workspace window is not in full-screen mode or if the space preceding the breadcrumbs area has shrunken in size.

- Depending on the size of your browser window and display resolution, the **More...** command may be displayed on the toolbar.

- By clicking this command, the additional properties and details of the object appear.
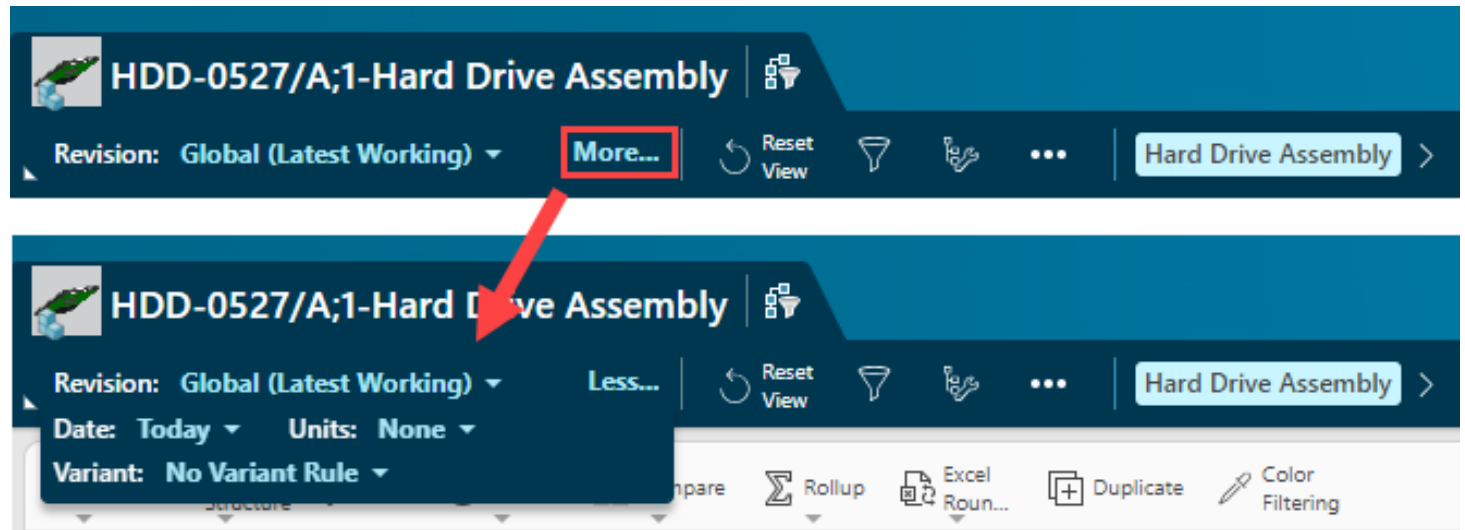
# Banner

- You can now create a banner along the top of the Active Workspace user interface. Use this banner to alert your users of future downtime, alert them of potential issues, and so on.

- You must set values of the **AWC_Banner** site preference and specify the message text, type, and beginning date and time. You can optionally set an ending time or a duration.

- There are three types of messages that you can create.

- INFO

  An informational message.

- SUCCESS

  Updates completed successfully.
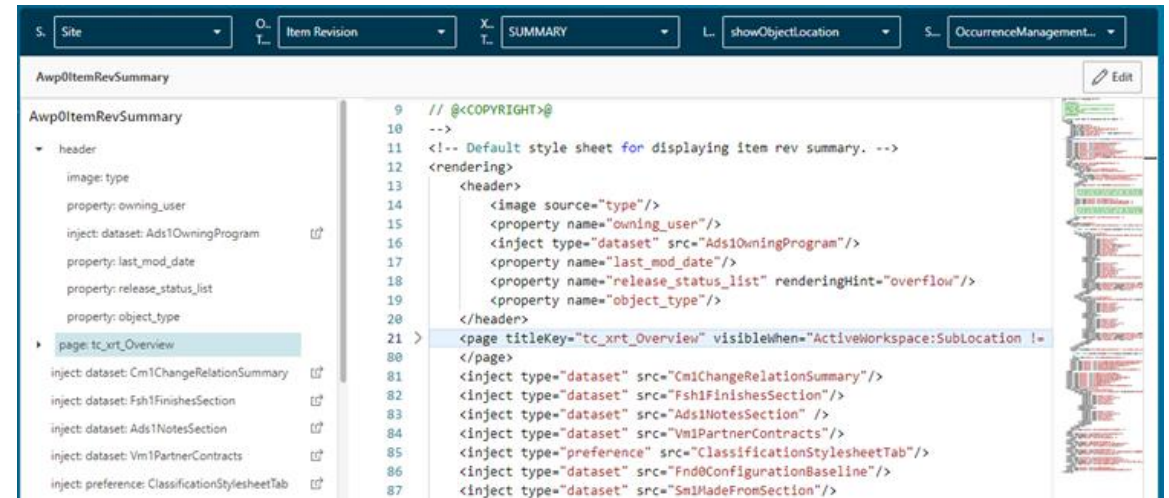
- WARNING

  A warning message.

# XRT Editor

- Before, the editor did not navigate injected style sheets.
- You needed to manually search for them and edit them separately.
- Now, when modifying style sheets using the XRT Editor you can navigate a tree which represents the main style sheet and all of the injected style sheets automatically.
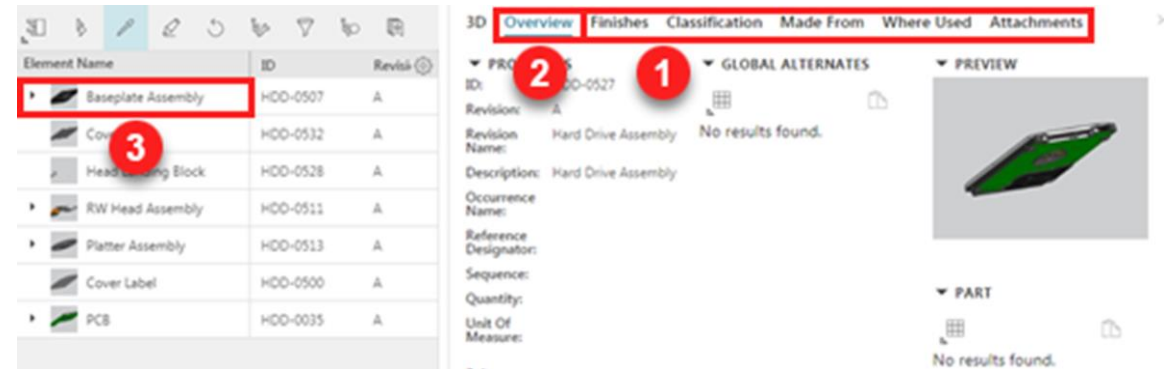
# Commands

- 2406, Several common commands previously found only on the primary toolbar are now also available in more areas of the user interface where they are contextually relevant.

# Content

- The **Content** tab displays the content of a structure. The following diagram shows the configurable parts of the **Content** tab.

# Revert

- The revert functionality applies to those ECNs that include redline changes.

- When a user is authoring a BOM in the context of an ECN and has either replaced, removed, or added a new line item, sometimes unintentional changes can occur.

- An incorrect entry might unintentionally be made.

- The revert functionality lets you return a redline change back to its original impacted version.

- You can revert items in BOMs with and without effectivity dates applied.

# Compare Elements

| Comparison level | Description |
|---|---|
| **All Levels** | Compares the elements at every levels in the two structures. If this option is selected for very large structures, performance may be adversely affected. |
| **Components Only** | Compares only the elements that are at the lowest level (components). |
| **Current Level** | Compares only the elements that are currently displayed in the two structures. This is the default level of comparison. |
| **Linked Assemblies or Components** | Compares two structures by using accountability check. This comparison level is displayed only if Multi-Structure Foundation is available in your Teamcenter environment. Accountability check is a verification mechanism to check if all the elements in one structure have equivalent elements in the other structure. You can define your own properties for equivalence. You can also specify a set of properties for comparison. |

# Compare Properties

- You can compare common properties of objects.

- Select multiple objects from the list.

# Merge

- You can compare and merge unincorporated changes to existing designs.

- Through this process, you can integrate an emergency released ECN into an in-progress ECN by viewing both structures side-by-side and selecting updated items to merge.
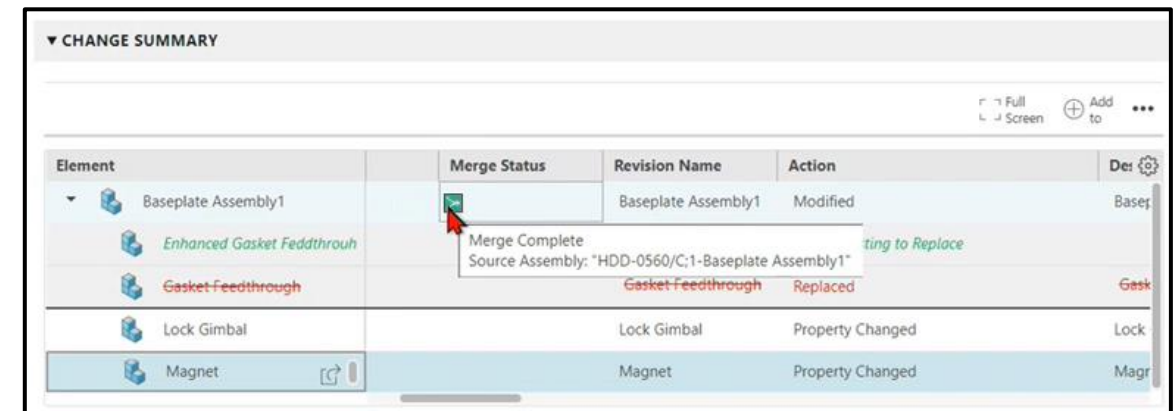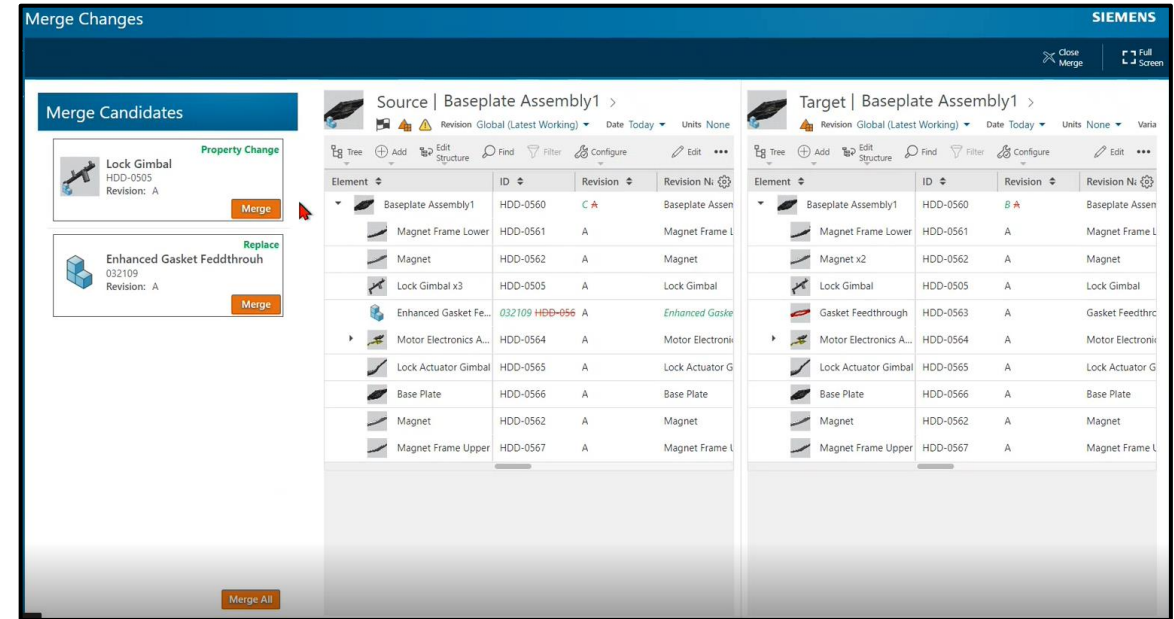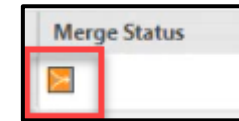
# Excel Round Trip

- When exporting to Excel, you can now choose to use the existing columns displayed in the structure window or specify your own with the standard **Arrange** user interface.

- This is done by selecting a **Custom** template from the Export to Excel drop down and following the **Arrange** user interface.

- You can continue to select from the preconfigured list of Excel export templates.

# Reports

- You can create a dashboard report for structure readiness to gather data about the components of the selected structure.

- The following is an example of how to create a structure readiness report.

- After creating the report definition, you can search and select a product structure, and generate a report.

- This report traverses the selected structure to display information about its components, such as, their release status, how many of them are in process, the date released, and the date modified.
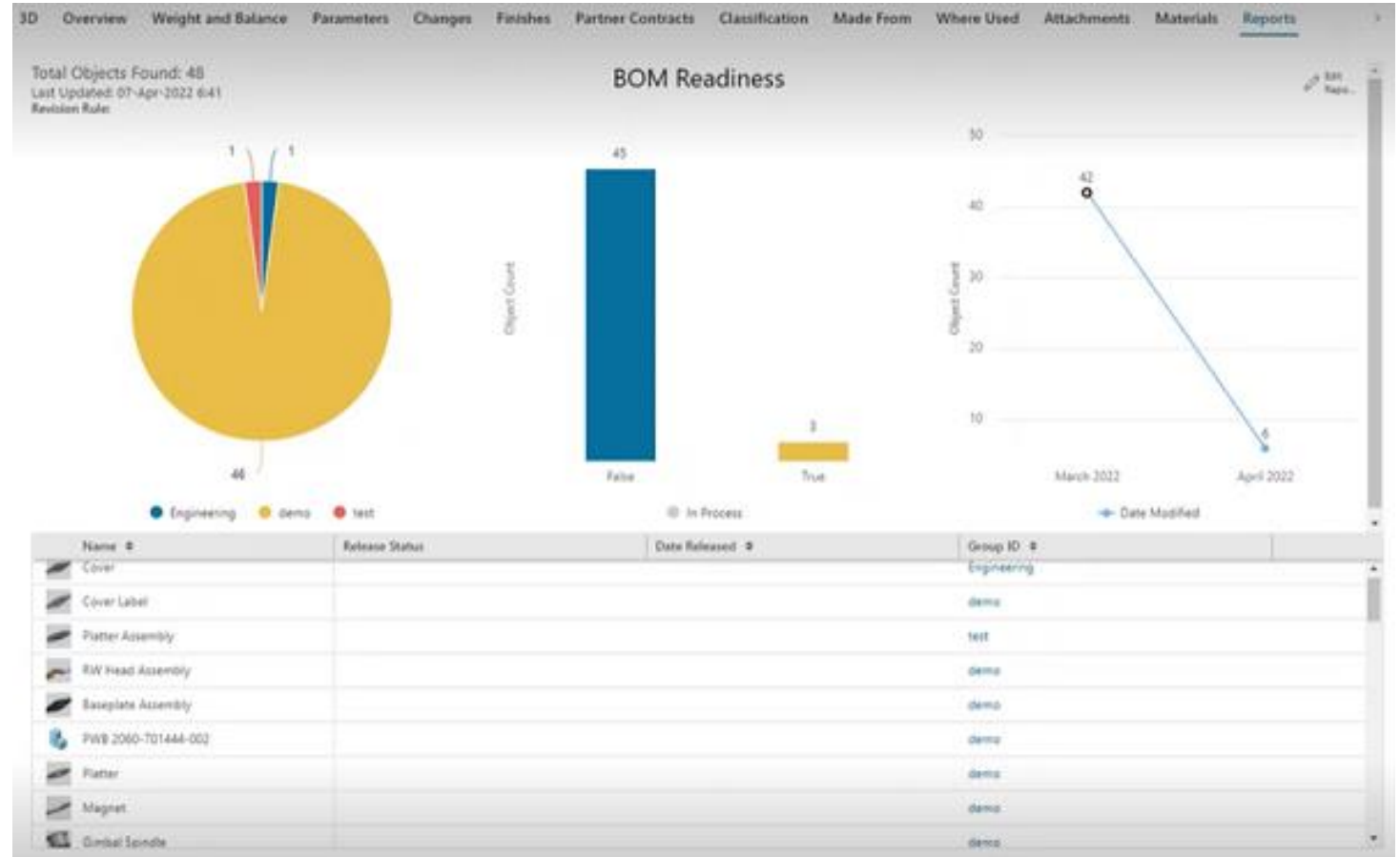
# Dashboard

- Once a report is open, you can drill down to view more specific data.
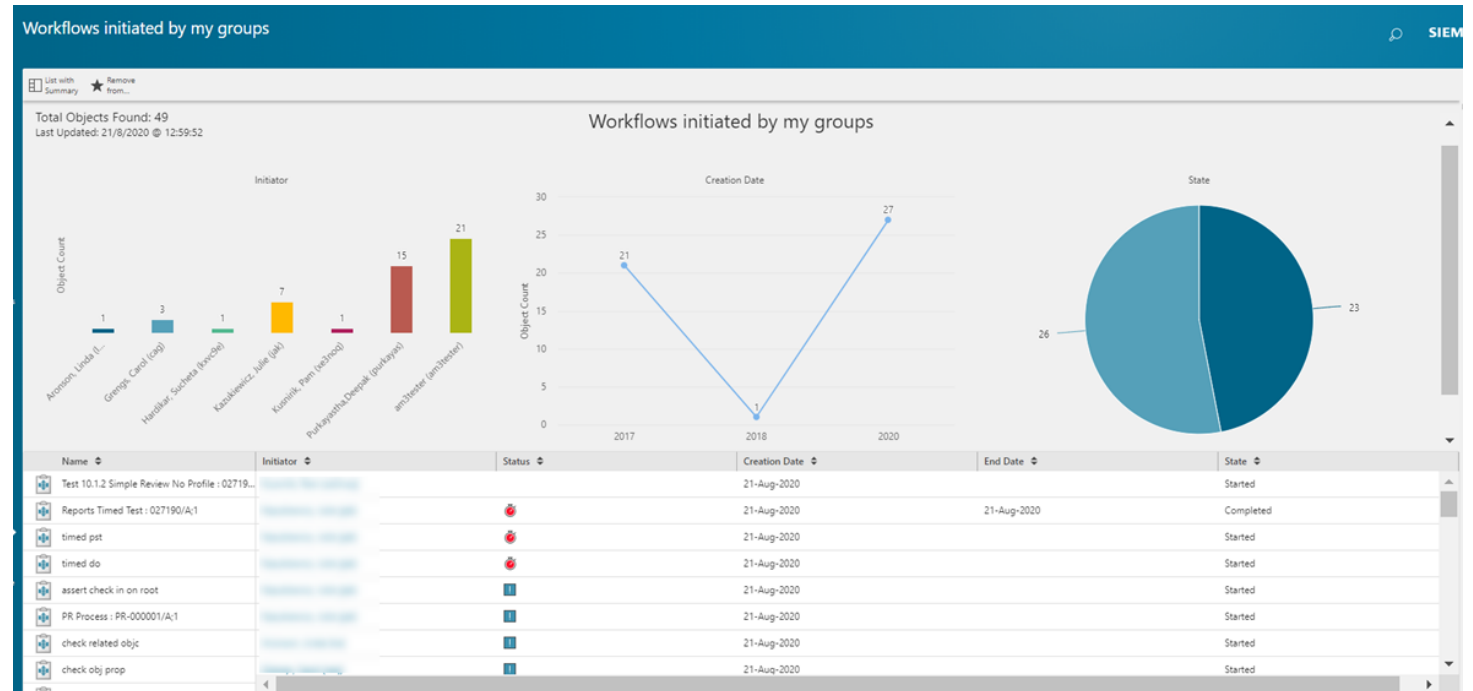
# My Dashboard

**My Dashboard** is a personalized list of your favorite reports. It contains Active Summary reports.

To open the report, hover over the report title until a link appears, and click the title link to open it.
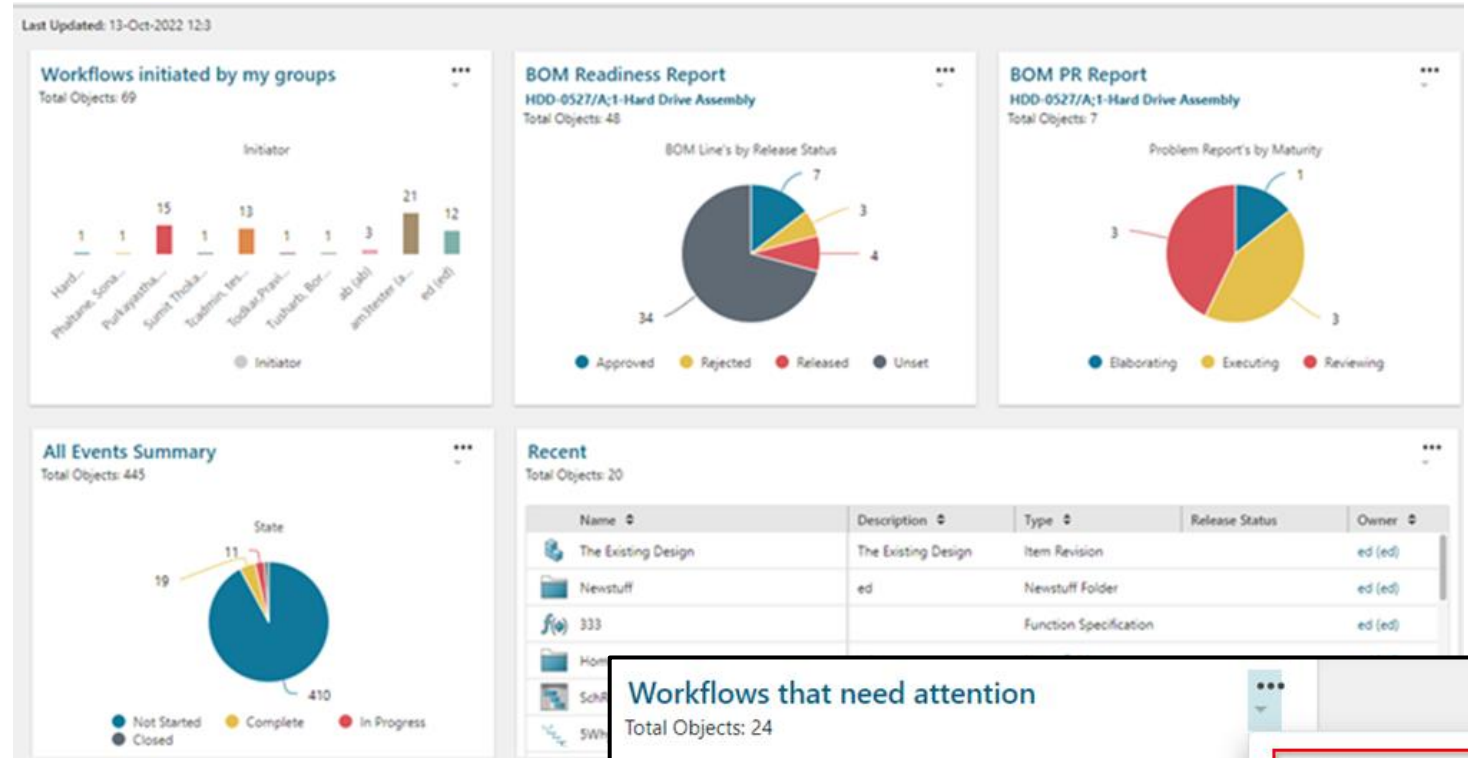
# Default Template

- In case users from different groups want to see a different default template for an object, you can define groups/subgroups for a template.

- You can use the existing preference **WorkspaceObject_default_workflow _template**. This preference can be enhanced to support multiple values with the format **GroupName::Template Name** or **Subgroup.Group::TemplateName**.

# Workflows

In a workflow, if a task's **Start** action fails due to an error, the parent task appears in the Inbox. You must then complete the task after resolving the issue.

Starting in 2406, in such cases, the error is displayed on the parent task and identifies the child task that includes the error.

The child task opens automatically in the **Diagram**'s graphical view on the **Workflow** tab.
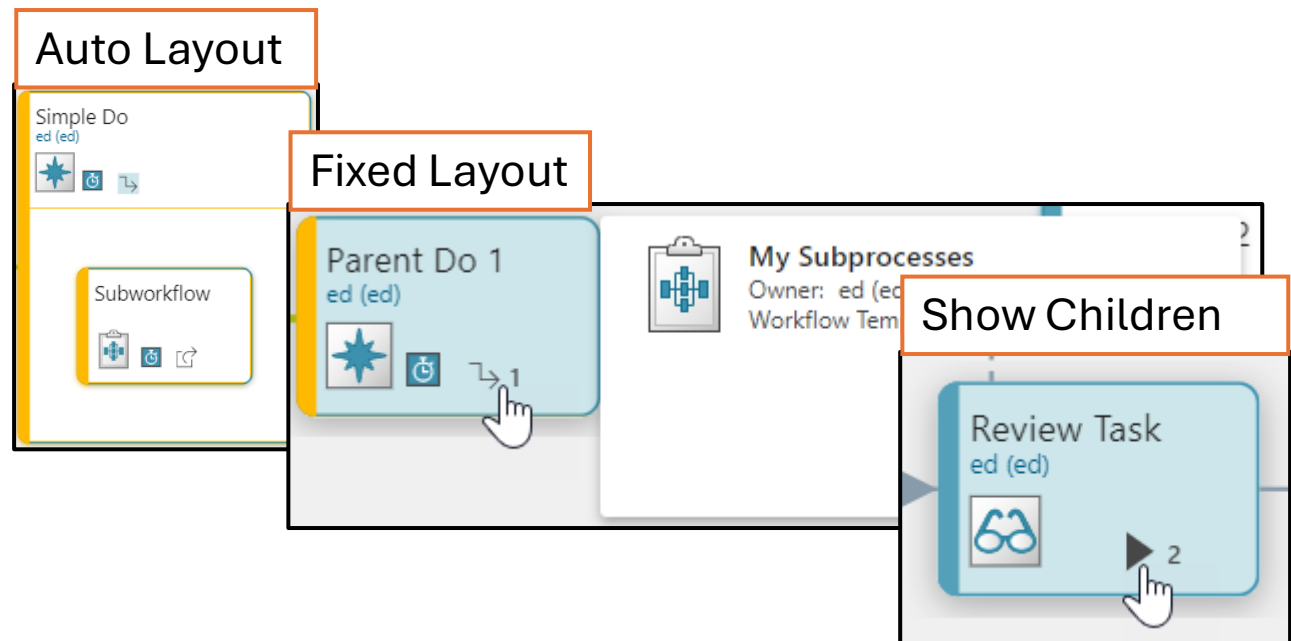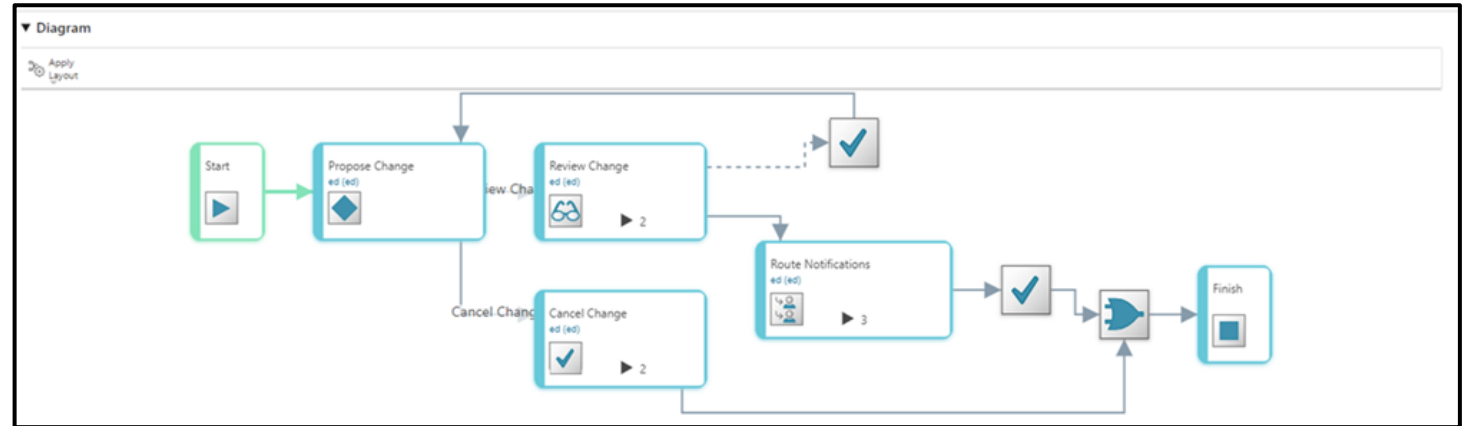
# Inbox

To help you reassign tasks, manage surrogates, or see if someone is out of the office, you can view their profile page.

For example, if a workflow is not progressing because a particular user has not responded, you can view whether that user is out of the office.

As a privileged user, you can also access their inbox to reassign a task.
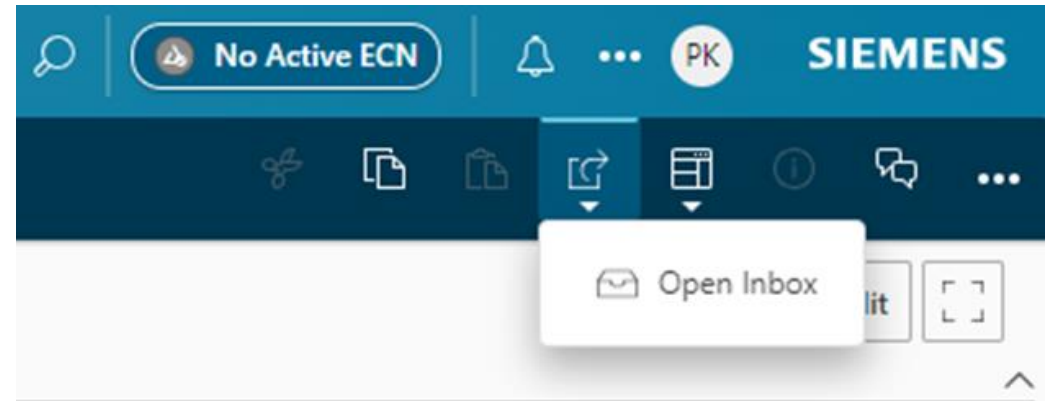
# Guided Navigation

- The **Teamcenter Assistant** suggests the next possible actions to perform and provides the relevant data required to perform them.

- These suggestions are based on the context, history, and usage frequency of actions performed by other previous users belonging to the same role and group.

- You can use the **Tutor Mode** to train the Assistant to learn a preferred way to complete a task.
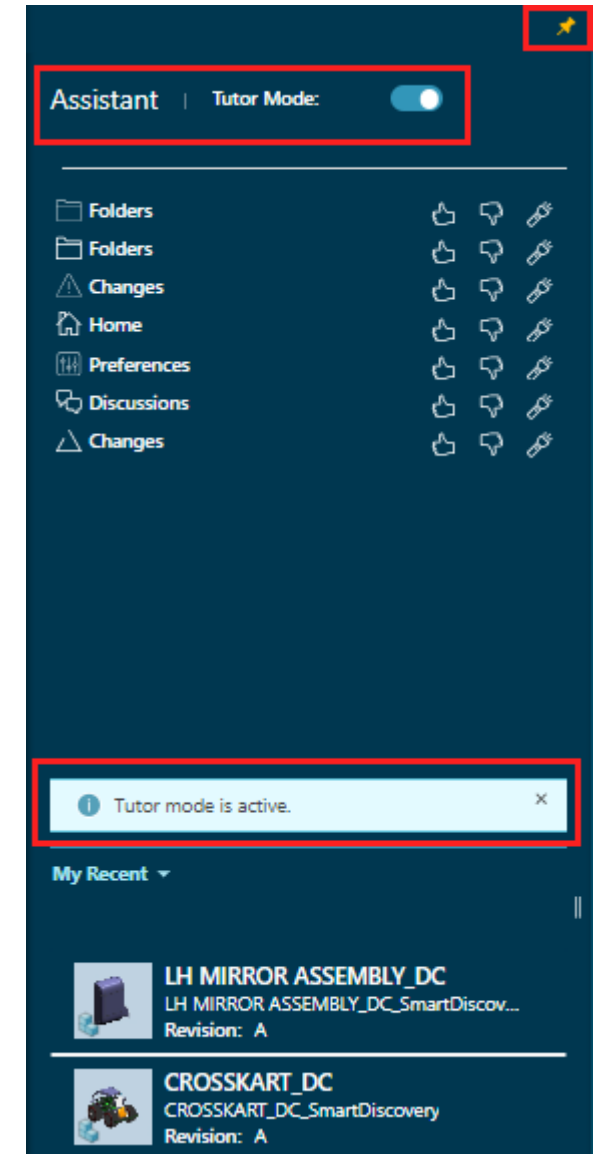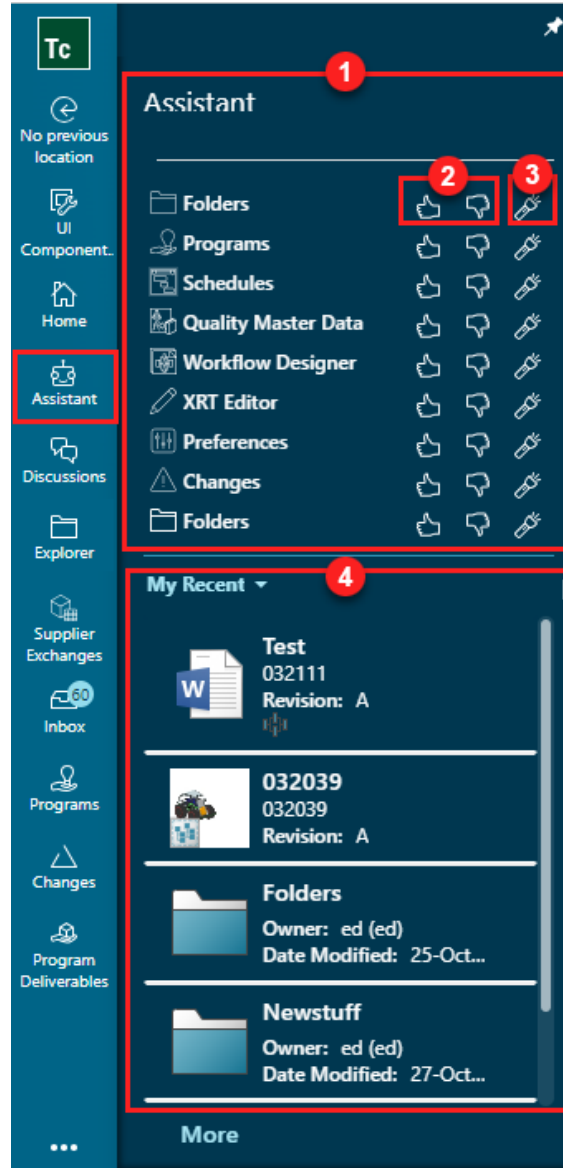
# 3D Tab

- Earlier, to display a model in the viewer, you had to click the **3D** *tab*.

- Now, to display the model in the viewer, you must switch to **3D** from **Details** by clicking **3D** in the list of available views.
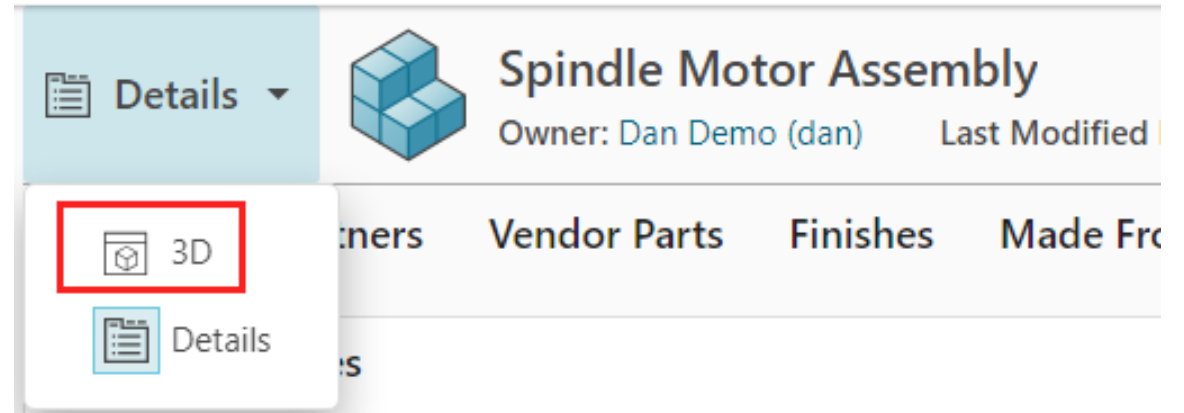
# Universal Viewer

- Use the universal viewer to view object attachments.

- The universal viewer appears in an object's **Overview** tab if there are attachments for the object, or in a workflow task's **Overview** tab if there is an associated attachment.

# 3D Viewer

- Earlier, you could move or resize only a few panels in the 3D viewer.

- Now, you can undock and move all panels around the browser window to your desired location. They can also be resized to take up less space. This helps you get the best screen layout for your working style.

- Parts in the exploded view in the 3D viewer can be captured in context, with the 3D data, within snapshots.
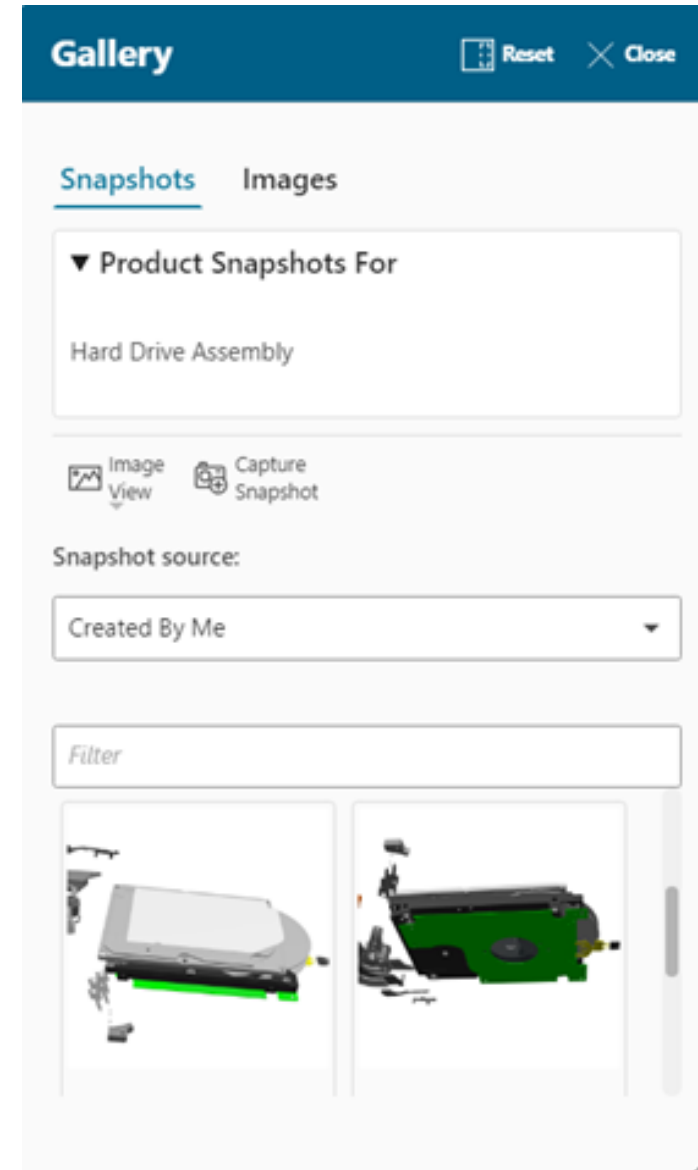
# Viewer Options

- After opening an assembly, without opening the 3D viewer, you can access and alter available properties in **Viewer Options**.

- You can therefore change viewer settings before opening the 3D viewer, especially if the settings are likely to relaunch or reload the viewer.
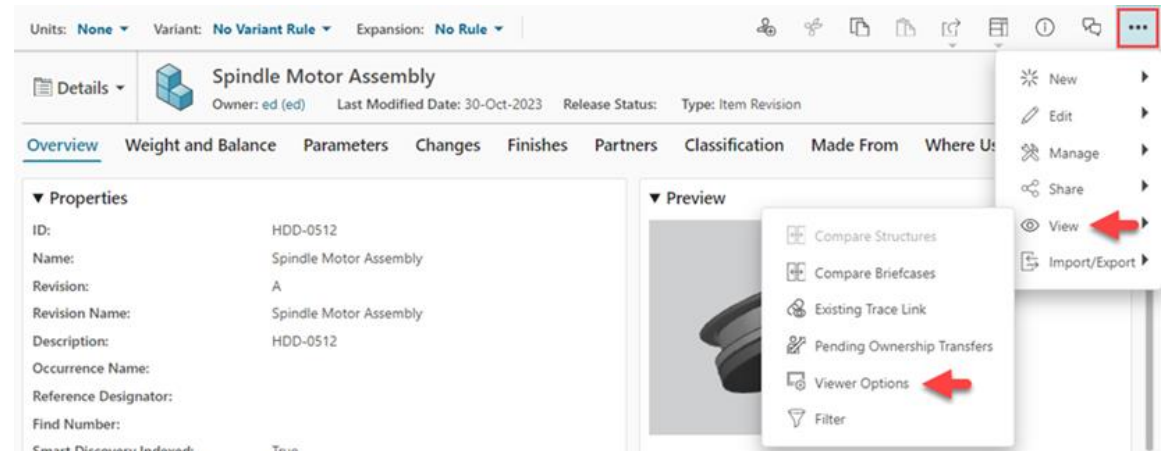
# Notifications

The system displays notification messages.

You can pin a message so that it continues to appear in the window, and you can refer to the message text later during your work session.

notification

Unpin to dismiss

"031754/A;1-Item 1012" was added.

error

Cannot unpin

The folder cannot contain itself.
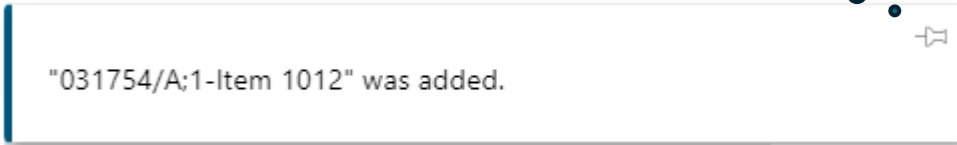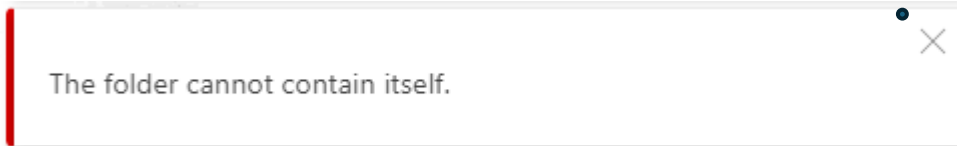
# Next Steps

Current Features, Future Features, and Beyond!

# Roadmap (current)

**Active Workspace 6.3**

Page-level toolbar

Details header (preview)

Layout Chooser

**Teamcenter 2312**

Session controls

Details header

View switcher

Card styling

Three-view layout

# Roadmap (future)

**Teamcenter 2406**

Selection indicator

Layout slot styling

Splitable context bar

Open object header

Layout manager

**Teamcenter 2412**

Command efficiency for opened objects

Layout manager for collection pages

Combined section & objectSet

Command separators

# And Beyond!

- Multiple opened objects
- Consolidated settings
- Multiple details view
- 3D viewer without structure tree
- Enhanced narrow/embedded mode
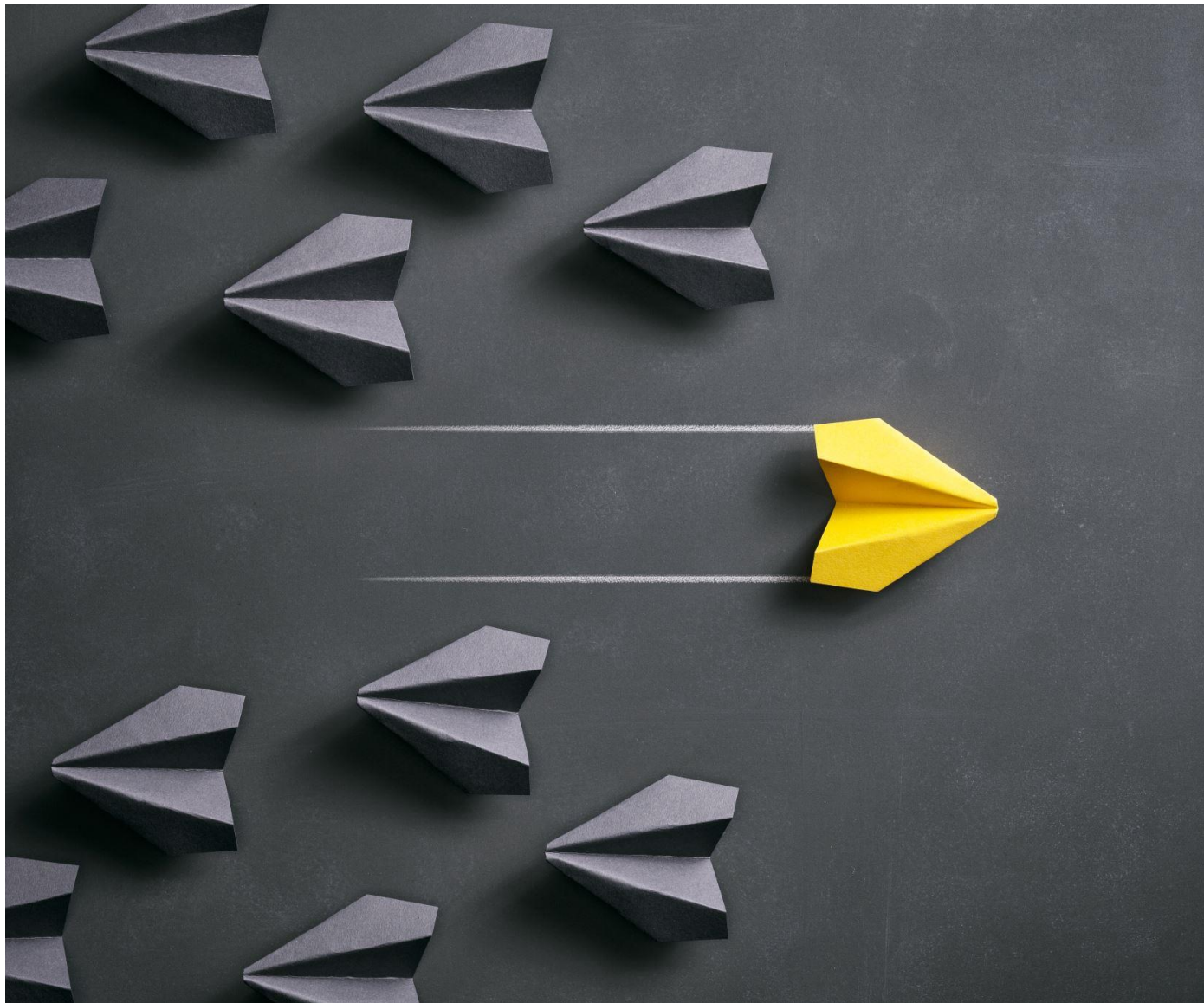
# Active Workspace User Interface

- You've seen...
    - The new user interface in Tc2312.
        - Final UI changes are expected in Tc2406.
    - Branding opportunities.
        - Multiple "theme" entries are no longer supported (one only).
    - Roadmap
        - AW 6.3, Tc2312, Tc2406, Tc2412, and beyond.

# References

- https://blogs.sw.siemens.com/teamcenter/whats-new-in-teamcenter-2312/

- https://blogs.sw.siemens.com/teamcenter/2024-teamcenter-beta-testing/