TPG PPP 2.16 EN

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1 PPP Scheduler Changes

This update includes the following changes in Scheduler:

- Tasks with actual data can no longer be deleted 5
- Bug Fix: Todos column now shows user-friendly display 5
- Scheduling engine can now be set in project details 5
- Improved progress indicator layout on New Action Item form 6
- Bug Fix: No phantom assignments after deleting team members 6
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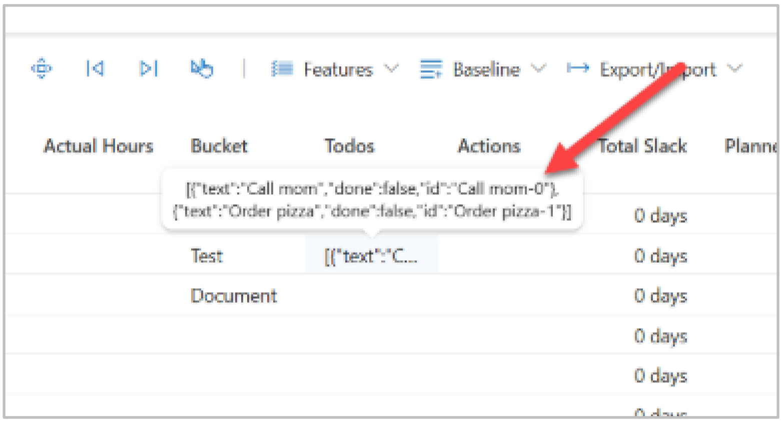
1.1 Tasks with actual data can no longer be deleted

Task deletion is now blocked if any of the task's assignments contain timesheet entries. This prevents timesheet entries from becoming orphaned.

As before, assignments that already have timesheet entries also cannot be removed.

1.2 Bug Fix: Todos column now shows user-friendly display

The Todos column in the Scheduler no longer shows raw JSON values. Todos are now displayed in a user-friendly format, aligned with the Actions display, and use the same tooltip for a consistent user experience.

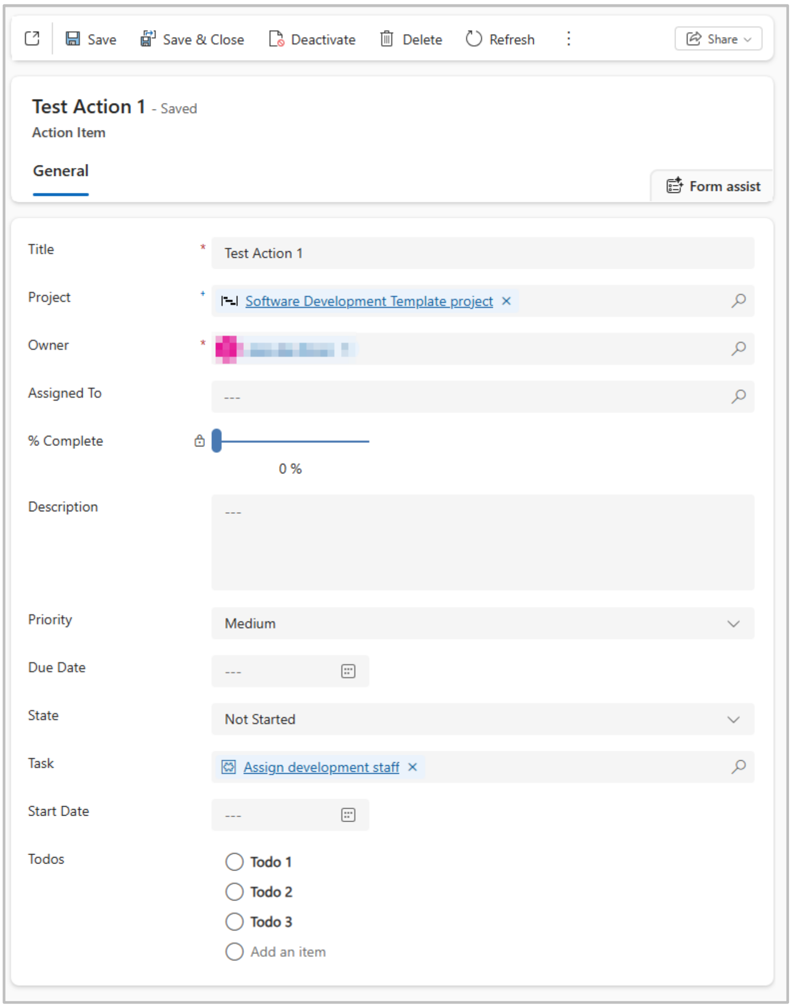


1.3 Scheduling engine can now be set in project details

A new Scheduling Engine field is now available in the project details form. Users can view and change the scheduling engine option directly for each project.

1.4 Improved progress indicator layout on New Action Item form

The layout of the New Action Item main form has been adjusted. The section now uses two columns, while the progress indicator and date fields are displayed in a single column, resulting in a shorter and clearer progress axis.

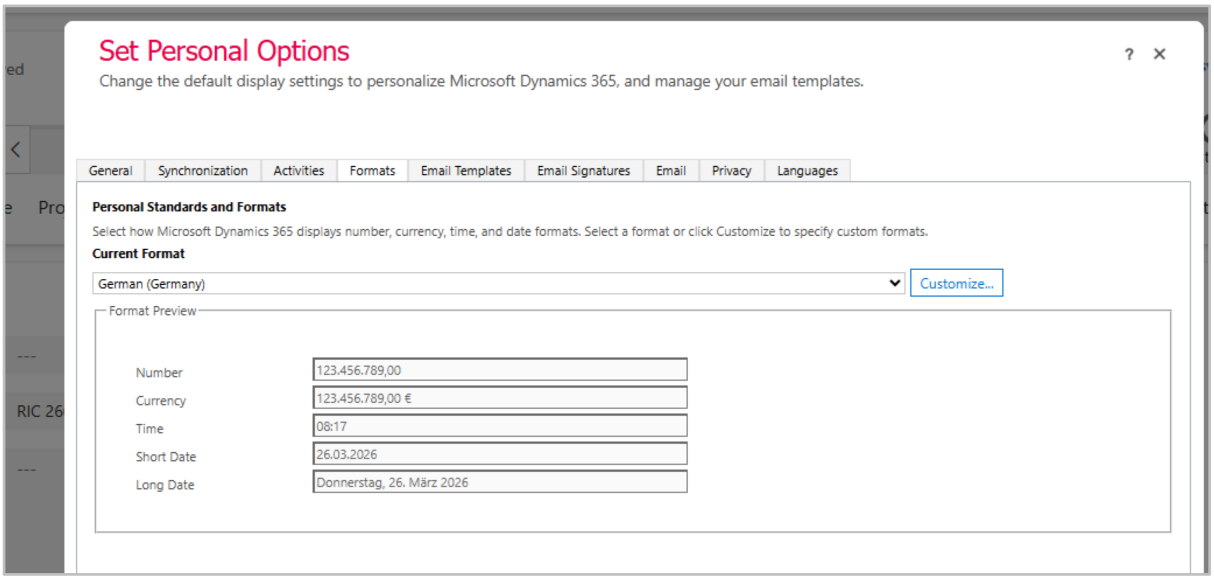


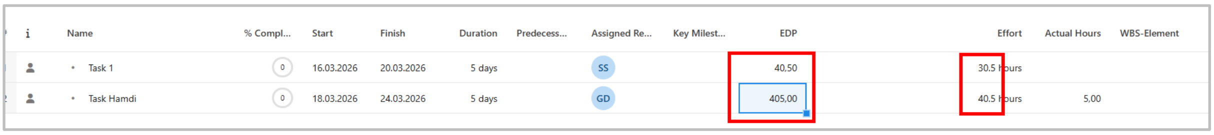
1.5 Bug Fix: No phantom assignments after deleting team members

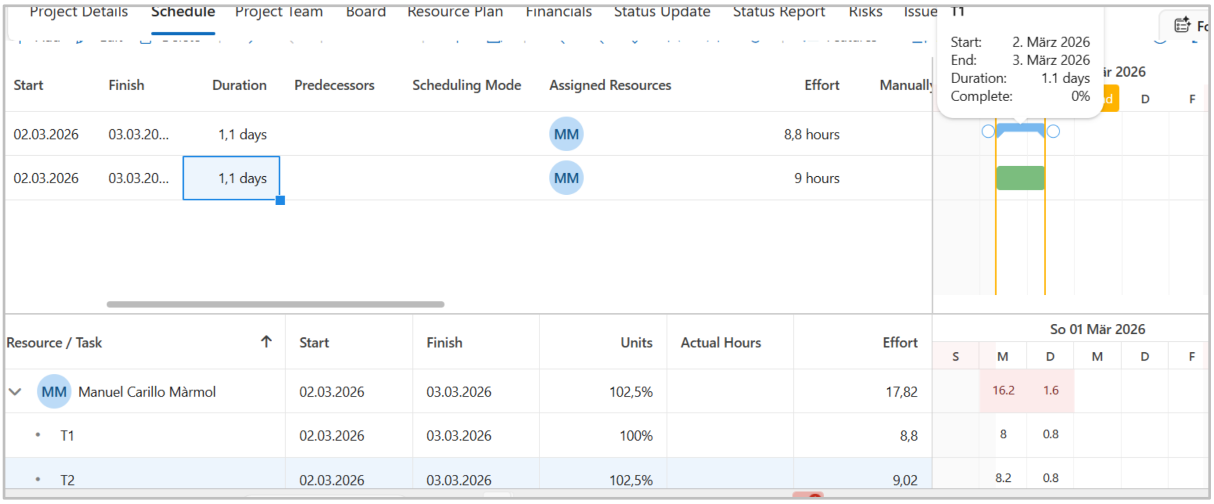
When a team member with assignments is deleted, no phantom assignments are left behind in the Scheduler.

1.6 Bug Fix: Scheduler now respects regional number formats

Number formatting in the Scheduler is now locale-aware. Numeric inputs and displays follow the user's regional settings (for example, German number formats).







1.7 Bug Fix: Teams integration flow no longer fails on owners

An issue was fixed where the Teams integration flow could fail if the same account was added twice as an initial owner.

This could occur when using a delegation connection, enabling Add Service Account to Team, and the project owner was identical to the service account.

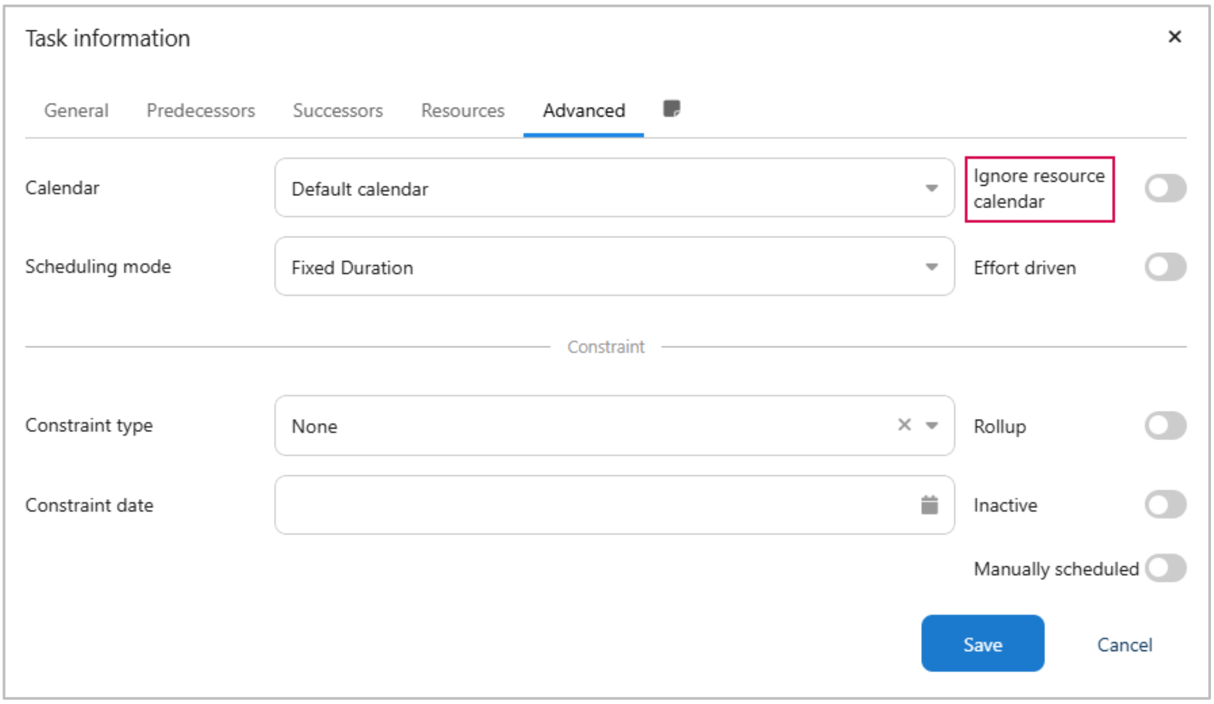
The flow now de-duplicates the InitialOwnerArray and uses the first entry if multiple values remain. The Owner array is also de-duplicated to prevent users from being added more than once.

1.8 Task calendar default is blank if not selected

If no calendar has been selected for a task, the calendar field in the task editor is now blank by default. This makes it clear that no calendar is currently assigned.

1.9 Bug Fix: Responsive text in task editor form

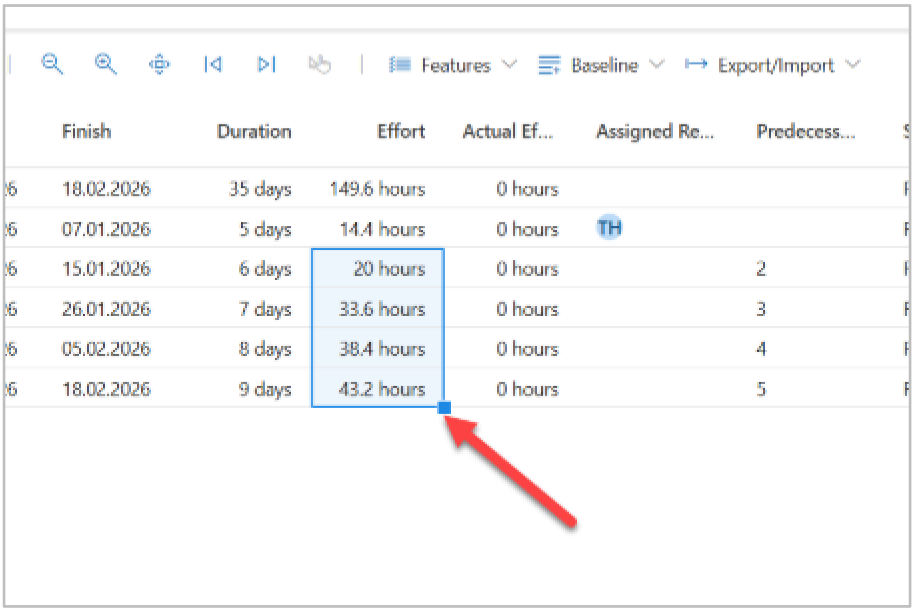
The *Ignore resource calendar* text in the task editor is now responsive and wraps onto multiple lines, so it is no longer clipped.



1.10 Bug Fix: Fill down/up in Effort column not working

The fill-down and fill-up functions in the *Effort* column were not working properly, so values could not be copied to adjacent cells.

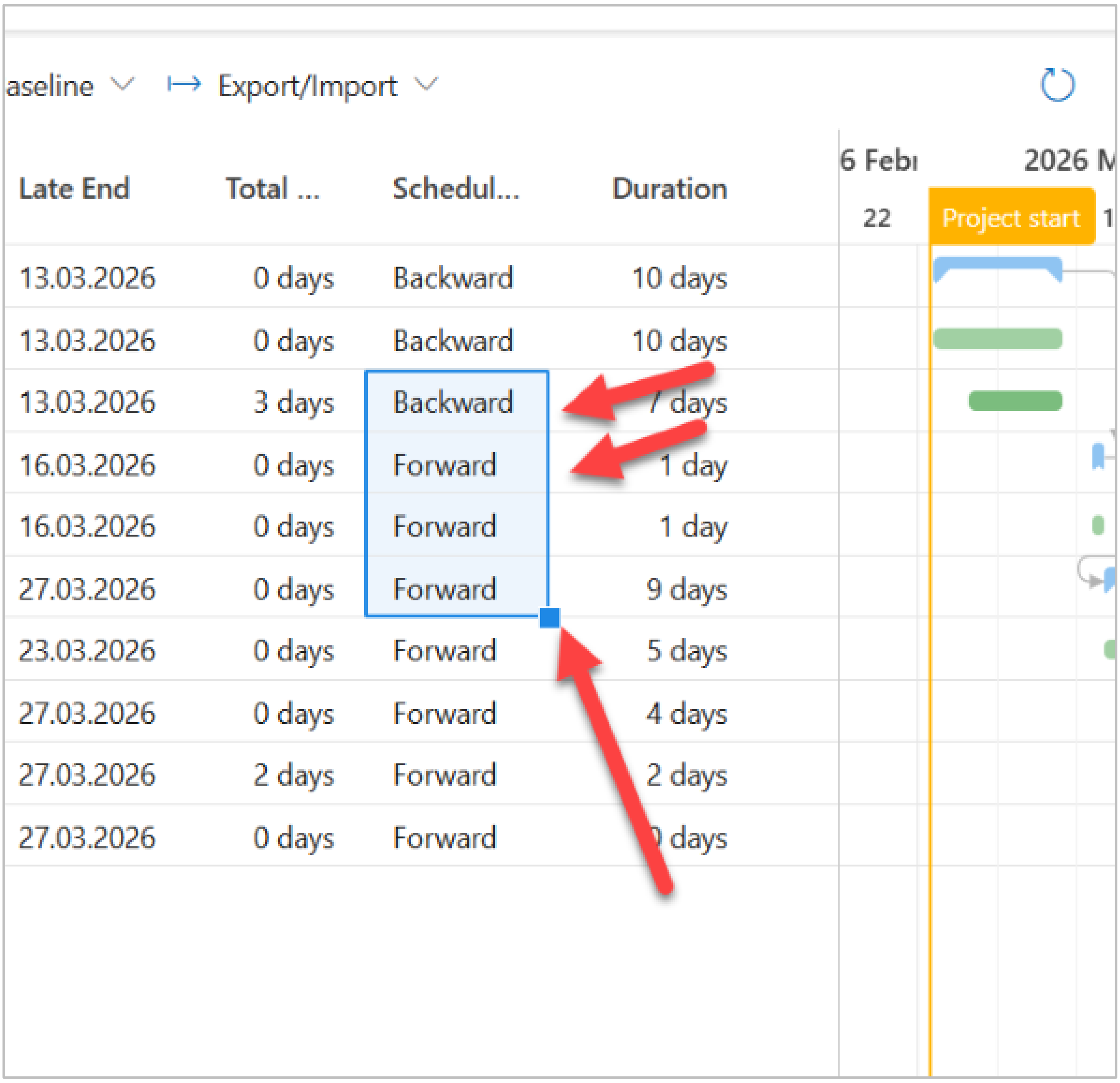
This bug has been fixed. The fill-down and fill-up functions now work as expected.



This bug has been fixed: The fill down and fill up functionality in the Effort column now works as expected.

1.11 Bug Fix: Fill down/up not working for Scheduling direction column

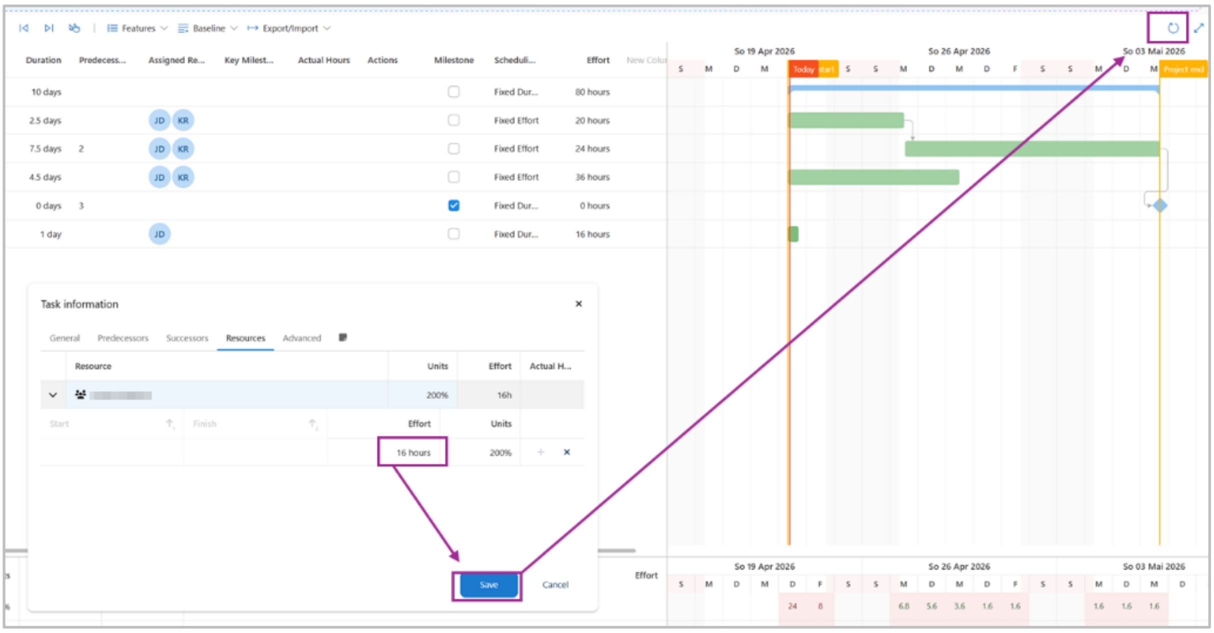
The fill-down and fill-up functions in the Scheduling direction field were not working properly, so values could not be copied to adjacent cells. This bug has been fixed. The fill-down and fill-up functions now work as expected.

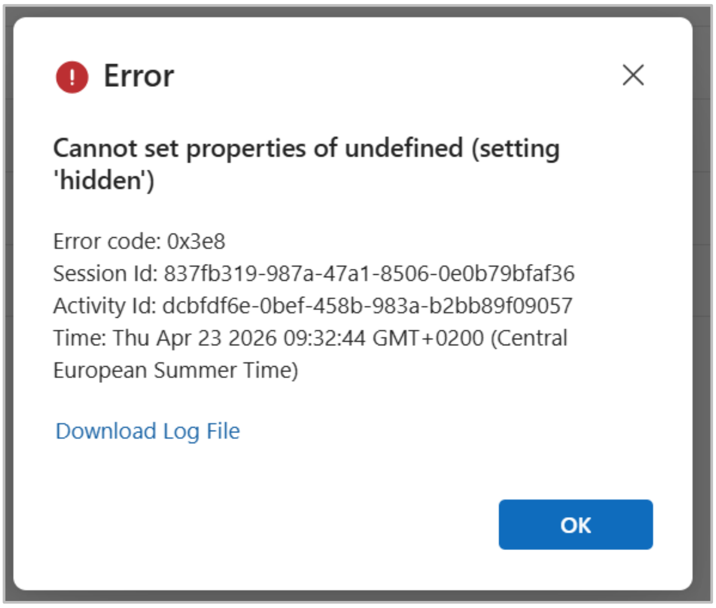


This bug has been fixed: The fill-down and fill-up extender in the Scheduling direction column now works as expected.

1.12 Bug Fix: Error after task form update and refresh

An error was displayed after changing the Effort value in the Resources tab of the task editor, closing the editor, and then refreshing the application.





This bug has been fixed: Updating the effort, closing the task editor, and refreshing the application now works correctly without showing an error.

1.13 Bug Fix: Switching tabs breaks Resources tab in Task editor

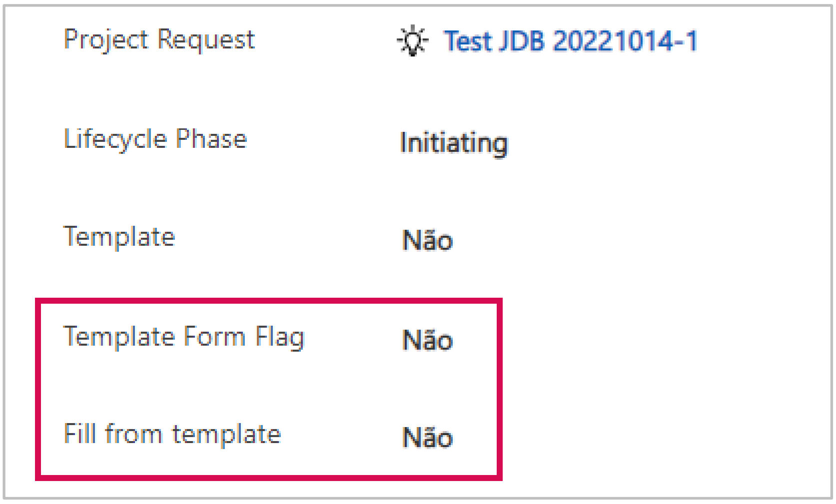
Fixed a bug where the Assignments table in the Resources tab appeared broken after switching tabs and reopening the task editor.

1.14 Bug Fix: Gantt crash when refreshing with hidden resource buttons

Fixed an issue where refreshing a project caused the Gantt app to crash if the *Add* and *Delete* buttons were hidden in the Resources tab.

1.15 Bug Fix: Remove template fields from Scheduler project snapshots

Removed the *Template Form Flag*, and *Fill from Template* fields from the Project Snapshot form in the Scheduler.



On the General tab, these fields did not provide any relevant information for snapshots and were therefore removed to simplify the view.

1.16 Bug Fix: Exception in PostDeploy Ensure Data plug-in

Fixed an issue where the PostDeploy Ensure Data plug-in could display an error message even though it had completed successfully.

The error occurred in some scenarios when the plug-in tried to write a result that was already present from a previous context, incorrectly triggering a duplicate-key exception.

This situation is now handled correctly to prevent unnecessary error messages.

1.17 Bug Fix: Wrong dependency warning in Fixed Units mode

Fixed an issue in *Fixed Units* mode where editing the effort of an assignment caused an incorrect dependency warning to appear.

This occurred when multiple resources were assigned to a task and the effort was changed in the task editor (Resources tab).

The dependency pop-up is no longer displayed in this situation.

1.18 Bug Fix: Default process incorrectly started for EPTs

Fixed an issue where a default process was started automatically when creating a new project, even if no process was selected for the Enterprise Project Type (EPT).

The script now correctly checks whether a process is assigned and stops the automatically started default process if none is selected.

1.19 Snapshot solution included in default installation

The Snapshot solution is now included in the default PPP installation.

Snapshot-related tables have been consolidated into tpgscheduler_base, and a new toolbar button has been added to the Project Information area to provide easier access.

1.20 Bug Fix: Inter-project links not removed when deleting tasks

Fixed an issue where inter-project links were not removed when a task was deleted.

All inter-project links to a task are now automatically deleted when the task itself is removed.

1.21 Bug Fix: Multi-Scheduler respects regional number formats

Fixed an issue where the Multi-Scheduler did not respect regional number formats (e.g. German). Numeric inputs and displays now follow the user's locale settings.

1.22 Bug Fix: Capacity per Week overload on department change

Fixed an issue in the availability API that caused incorrect capacity calculations when a resource changed departments during a week or month. Capacities are now calculated based on the actual availability days within the respective department.

1.23 Improved performance for CloudFlow 102a

Applied several performance improvements to the Availability API. The API now reliably processes large resource pool batches (100+ resources) without timeout errors and supports batches of any size without requiring manual adjustments. Processing stays within Dataverse execution limits, remains compatible with existing CloudFlow integrations (e.g., 102a, 102b), and provides clearer error messages if a batch fails. Performance for small requests (1–20 resources) is not affected.

1.24 Bug Fix: Duration < 1 Day in Fixed Effort Tasks

Fixed an issue where entering a duration of less than 1 day for tasks with Scheduling Mode = Fixed Effort was not possible.

When users entered a value below 1 (for example, 0.5) in the Duration field, the task was incorrectly converted into a milestone and the duration was automatically set to 0 days.

With this fix, users can now correctly enter duration values smaller than 1 day without the task being converted to a milestone.

1.25 Auto-sharing Projects with Assigned Team Members

Overview

When a project team member is added to a project, the system automatically shares the project with them so they can see and interact with it in the Scheduler. When an action item is assigned to someone, the system automatically shares that action item with write access so they can update it.

The Two Sharing Mechanisms

1. Project Sharing — Access Teams

How it works step-by-step:

1. A project team member is added, edited, or removed.
2. The plugin looks up the project and finds (or creates) an Access Team named Team Member [Project Name] linked to that project.
3. The Access Team is granted *Read* + *Append* + *AppendTo* rights on the project record.
4. The plugin queries all project team members whose permission is Contribute (not None), resolves them to system users, and syncs the Access Team membership:
   - New members are added.
   - Removed members are dropped.
   - Members who changed to "None" are dropped.
5. Result: the Access Team acts as a live, always-synced group. Any user in the team inherits the project permissions.

2. Action Item Sharing — Direct User Share

How it works step-by-step:

1. An action item is created with an Assigned To user — that user is granted Write access so they can edit the action.

2. If the action is reassigned to someone else:
   - The new assignee gets *Read* + *Write* + *Append* + *AppendTo*.
   - The previous assignee has their access revoked (unless they're the record owner - owners always have access).
3. No Access Team is involved; sharing is directly to the user.

What This Replaces

A Custom Workflow Action (CWA) previously handled project sharing in a more manual way. This new plugin-based approach replaces it entirely:

Before (CWA)	After (Plugins)
Manual trigger or workflow	Automatic on every Create/Update/Delete
No access team cleanup	Members are added and removed automatically
No differentiation per member	Permissions field lets you opt out individuals
No action item sharing	Separate plugin handles action assignments

Checklist

- Existing data: Automatically migrated to Contribute on next deployment - no manual action needed.
- Action items: Assigned users can now edit their actions without manual sharing. Reassigning automatically transfers access.
- Old CWA: Can be deactivated once this is deployed (the plugins replace its functionality).

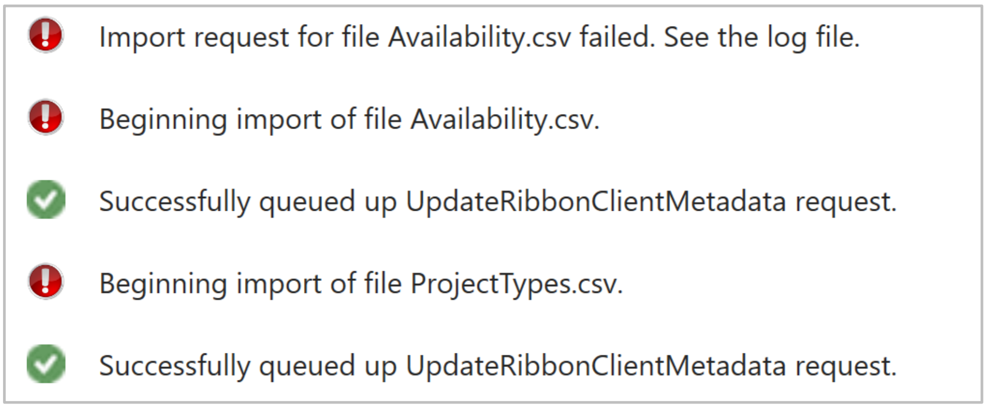
1.26 Bug Fix: CSV Import Fails in Non-English Environments

Fixed an issue where the installer failed to import CSV files in non-English environments.

During installation of the TPG Scheduler component, errors could occur (e.g. related to attachment size or failed imports). This was caused by language-dependent column names in CSV files (such as Availability and Project Types), which prevented correct data mapping.

To resolve this:

1. Fails when installing TPG Scheduler component. The error complains about the attachment size.
   - Please go to the Admin centre
   - Open your environment
   - Go to Settings
   - Search for attachments
   - Increase the attachment size to at least 6MB. Recommended setting is to increase it 10240, or 10MB.
2. The last few steps fails when the user's display language isn't set to English



   - This happens because we are trying to import CSV files for Availability and Project Types, but because the column names differ between language, it can't map the data
   - The post- deploy plug-in will also create these records if they don't exist.
   - Check if you have a Default calendar in the Availability tab, and if you have a Default Project Type

2 PowerBI Changes

This update includes the following changes in PowerBI:

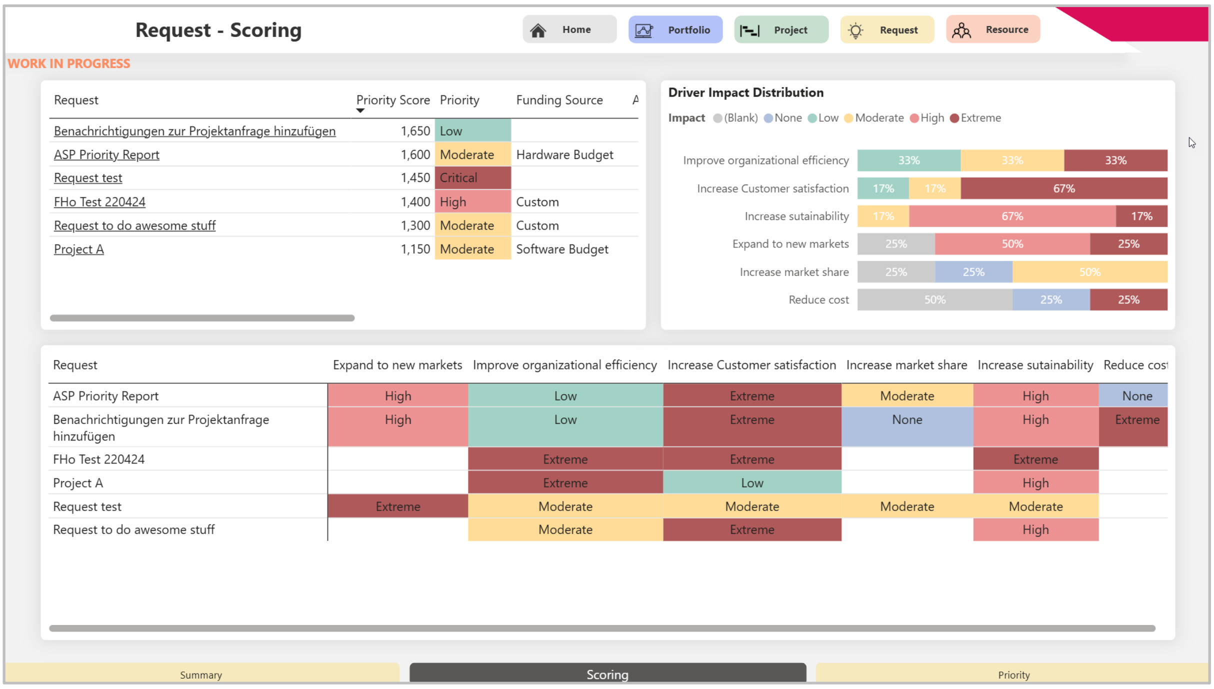
- Request Scoring layout added to the stack 19
- Bug Fix: Scatter plot colors aligned with Priority RAG 20

- Bug Fix: Rejected icon now shown in Request Summary
- Fiscal Year and ISO week fields added

2.1 Request Scoring layout added to the stack

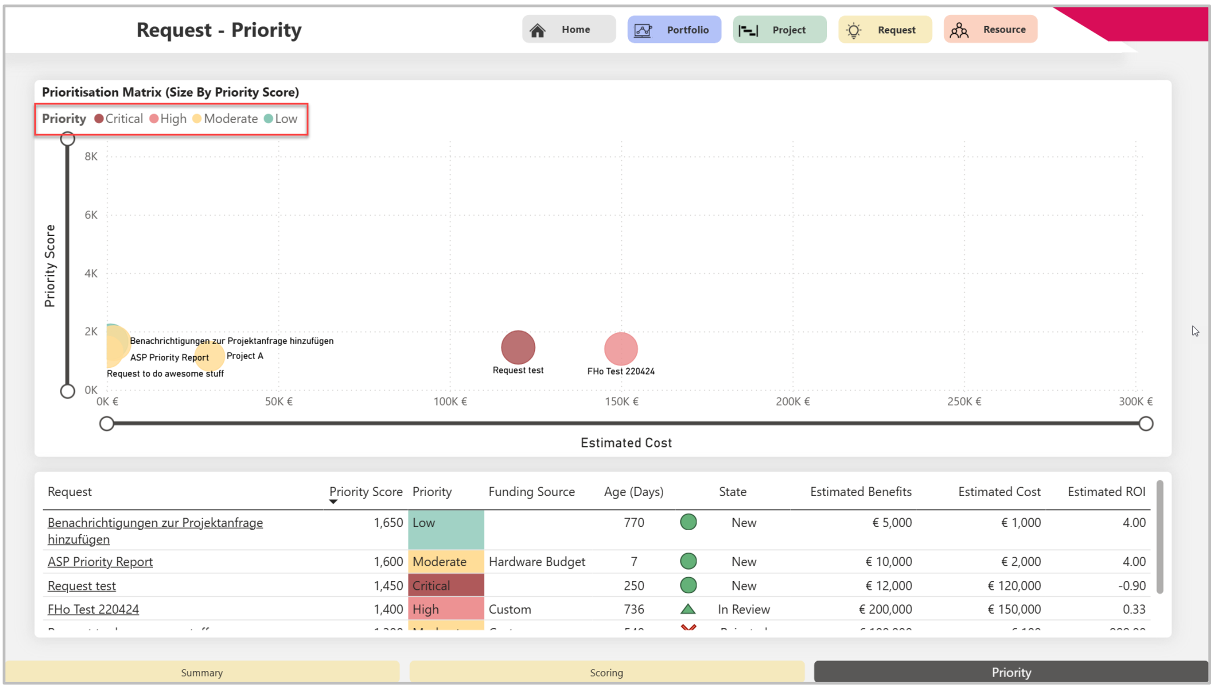
A new Request Scoring layout has been added to the stack.

Although a Driver / Priority feature already exists, priorities were not visible in reports without a Priority Dashboard or a filter in the What-If scenario. With this addition, priorities can now be shown in the Portfolio Dashboard as well as in the Request Report, improving their visibility.



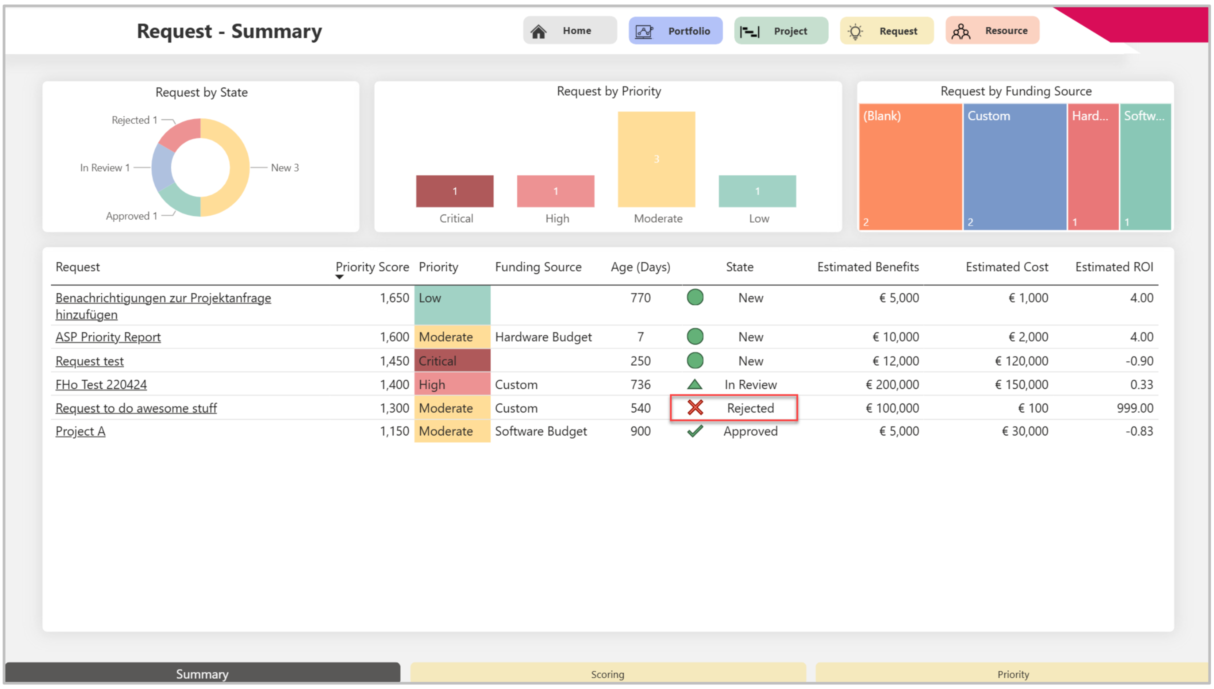
2.2 Bug Fix: Scatter plot colors aligned with Priority RAG

The marker colors in the Request Priority scatter plot have been updated to match the agreed Priority RAG coloring used in the Request Priority layout.



2.3 Bug Fix: Rejected icon now shown in Request Summary

The conditional icon formatting in the Request Summary layout has been updated. An X icon is now displayed correctly for requests in the Rejected state.



2.4 FiscalYear and ISOWeek fields added

The data model has been extended to include Fiscal Year and ISO Week fields.

These additional date attributes can now be used for reporting and analysis scenarios.

3 Advanced Grid Changes

This update includes the following changes in Advanced Grid:

- Bug Fix: Fixed typo in “Columns not to Copy” configuration 22
- Bug Fix: Locked tasks are no longer editable in timesheets 22
- Bug Fix: Hide all buttons no longer hides Settings 22

▪ Bug Fix: Other Projects Work Not Shown on Empty Rows 24

3.1 Bug Fix: Fixed typo in "Columns not to Copy" configuration

A typo in schema name in the Columns not to copy configuration of the Advanced Grid has been corrected.

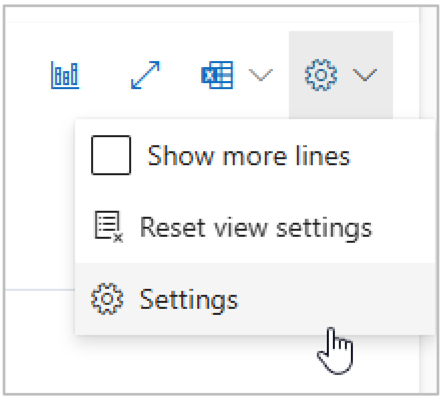
3.2 Bug Fix: Locked tasks are no longer editable in timesheets

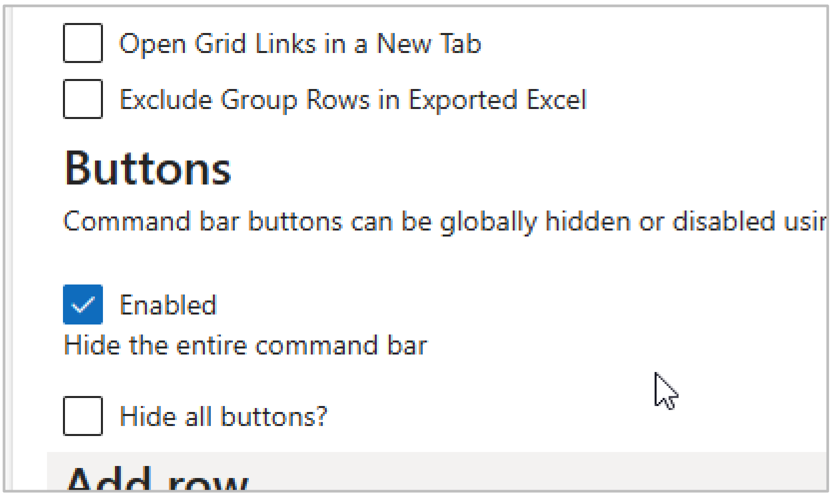
Locked tasks can no longer be edited in the timesheet, ensuring consistency with the task's locked status.

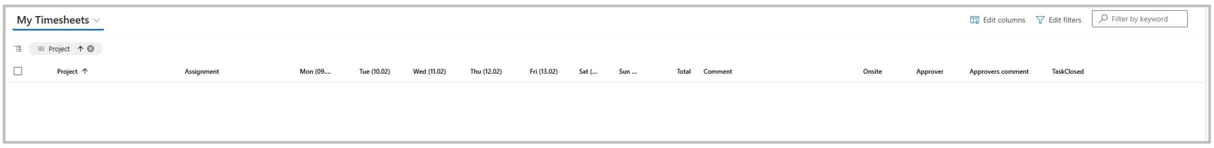
3.3 Bug Fix: Hide all buttons no longer hides Settings

The Hide all buttons configuration option no longer hides the Settings button.

The Settings button remains visible unless it is explicitly configured to be hidden.



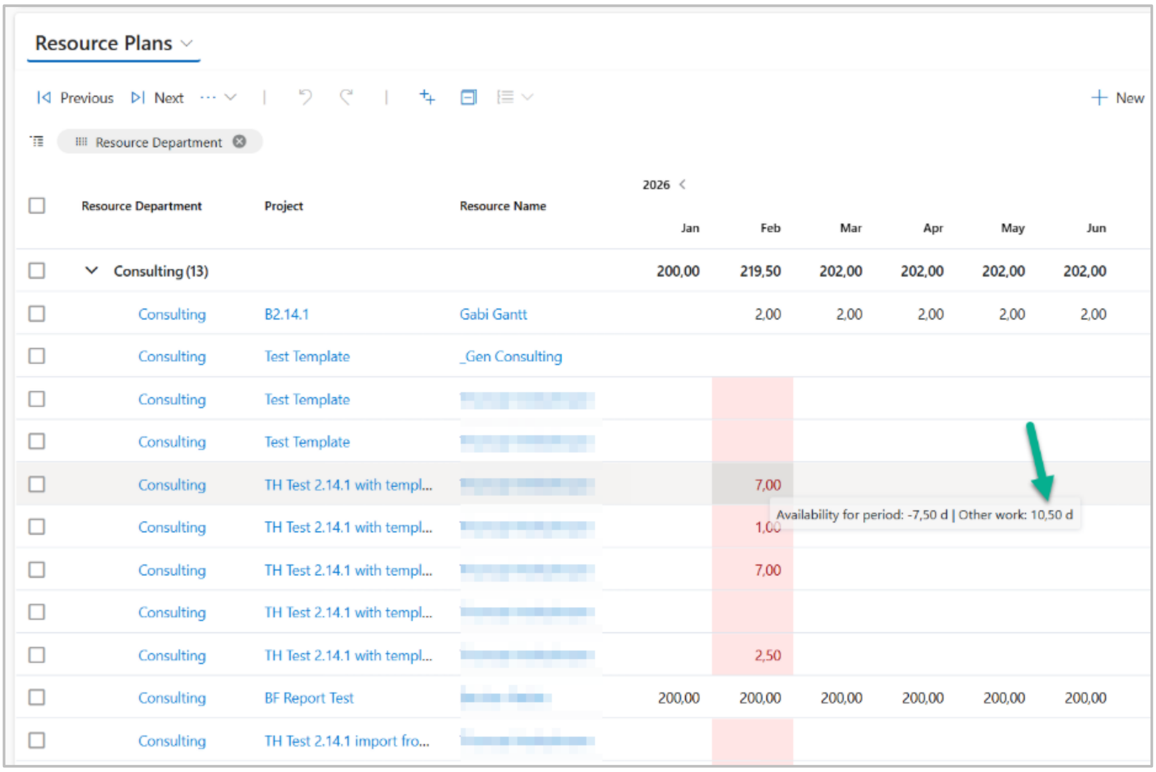

Open Grid Links in a New Tab
Exclude Group Rows in Exported Excel
Buttons
Command bar buttons can be globally hidden or disabled usir
Enabled
Hide the entire command bar
Hide all buttons?
Add row


My Timesheets
Edit columns
Edit filters
Filter by keyword
Project
Project
Assignment
Total
Comment
Onsite
Approver
Approvers comment
TaskClosed

3.4 Bug Fix: Other Projects Work Not Shown on Empty Rows

Fixed an issue where “Other Projects Work” in the resource plan was only calculated and displayed when a row already contained values.

With this fix, “Other Projects Work” is now also shown correctly on rows without existing values, as long as a resource is assigned.



Resource Department	Project	Resource Name	2026 Jan	Feb	Mar	Apr	May	Jun
Consulting (13)			200,00	219,50	202,00	202,00	202,00	202,00
Consulting	B2.14.1	Gabi Gantt		2,00	2,00	2,00	2,00	2,00
Consulting	Test Template	_Gen Consulting						
Consulting	Test Template							
Consulting	Test Template							
Consulting	TH Test 2.14.1 with templ...			7,00				
Consulting	TH Test 2.14.1 with templ...			1,00				
Consulting	TH Test 2.14.1 with templ...			7,00				
Consulting	TH Test 2.14.1 with templ...							
Consulting	TH Test 2.14.1 with templ...			2,50				
Consulting	BF Report Test		200,00	200,00	200,00	200,00	200,00	200,00
Consulting	TH Test 2.14.1 import fro...							

4 Kanban Changes

This update includes the following changes in Kanban:

- Bug Fix: Project Variants Shown in Action Items Filter 25

4.1 Bug Fix: Project Variants Shown in Action Items Filter

Fixed an issue where project variants were incorrectly displayed in the Action Items filter.

Project variants no longer appear in the filter in the Actions view.

5 Teams Integration Changes

This update includes the following changes in Teams Integration:

- Bug Fix: Teams Tab Creation Disabled 25

5.1 Bug Fix: Teams Tab Creation Disabled

Creation of the Project Details and Program Details tabs in Microsoft Teams has been temporarily disabled.

This change is required because Microsoft no longer supports displaying Model-Driven Apps in Teams tabs. As a result, the tab creation steps in the following flows have been deactivated:

- 302c – Create Tabs for Channel Scheduler
- 302j – Create Tabs for Channel – Program

6 Timesheet Changes

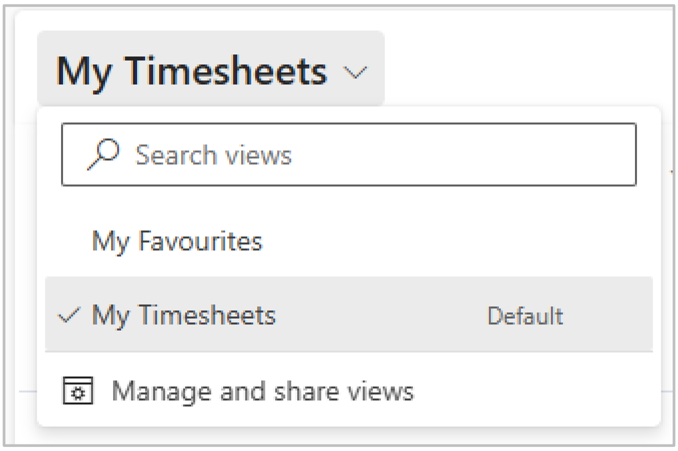
This update includes the following changes in Timesheet:

- Role-based visibility for Timesheet views 26
- Admins Can Set Timesheet Budget Limits 27

6.1 Role-based visibility for Timesheet views

Timesheet views are now restricted based on the user's security role.

This ensures that timesheet users only see views that are relevant and intended for their role, making the timesheet view menu clearer and easier to use.



For non–Project Managers, the following views are no longer shown in the standard view selector, for example:

- All Timesheets
- Approved by me
- Inactive timesheets
- My Approvals
- Timesheet Project View

View visibility is now controlled using role-based system views. An additional post-upgrade step automatically enables this feature in the environment.

6.2 Admins Can Set Timesheet Budget Limits

Overview

Timesheet Budget helps control how many hours can be logged against a task assignment in Advanced Grid timesheets.

The budget is tracked at assignment level. This means the system looks at the total hours already logged for the assignment across all timesheet entries, not only the hours entered in the current week or on the current task date range.

Use this feature to:

- monitor how much of an assignment's effort budget has already been consumed
- warn users before the full budget is used
- stop submission when overbooking is not allowed
- keep the existing timesheet behavior unchanged when the feature is disabled

How It Works

Each assignment has an effort budget. When a user edits a timesheet cell, the system recalculates the cumulative total logged for that assignment and compares it with the configured budget.

The result depends on two things:

- the cumulative utilization percentage
- whether the assignment allows overbooking

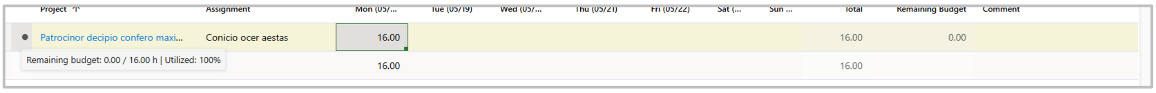
What Users See

Budget Tooltip:

Hover over a budget-aware timesheet cell to see the current budget details.

The tooltip shows:

- assignment effort budget
- total hours logged so far
- remaining budget
- utilization percentage

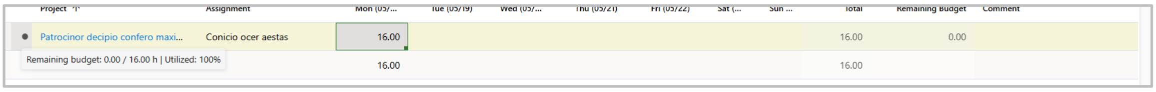


In the example above, the assignment budget is 16.00 hours, 16.00 hours have already been logged, the remaining budget is 0.00 hours, and utilization is 100%.

Warning Threshold

The feature supports a configurable warning threshold. The default threshold is 80%.

When the cumulative utilization reaches the warning threshold, the timesheet shows a warning state after the entry is submitted so the user can immediately see that the assignment is at or near its budget limit. The cell shows a yellow warning indication.



In this example, the assignment has reached 100% utilization. The remaining budget is 0.00 hours.

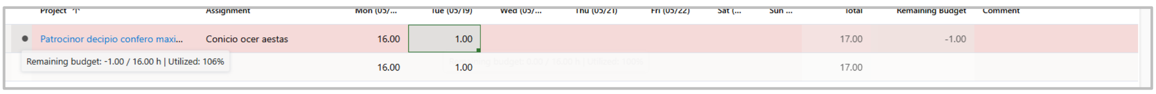
Over Budget

When the cumulative logged hours go above the assignment budget, the remaining budget becomes negative and utilization goes above 100%.

The cell behavior depends on whether overbooking is allowed for the assignment:

- If overbooking is allowed, the edit is allowed and the timesheet cell shows an orange or yellow warning indication.
- If overbooking is not allowed, the timesheet cell shows a red error indication and submission is blocked.

When utilization goes above 100%, the cell is marked in red after submitting if overbooking is not allowed.



In this example, 17.00 hours were logged against a 16.00 hour assignment budget. The remaining budget is now -1.00 hours and utilization is 106%.

Behavior by Scenario

Scenario	Result
Logged hours are below the warning threshold	Entry is allowed and the tooltip shows the current budget status
Logged hours reach the warning threshold	After submitting the entry, the timesheet cell shows a yellow warning indication
Logged hours exceed the budget and overbooking is allowed	The edit is allowed and the timesheet cell shows an orange or yellow warning indication
Logged hours exceed the budget and overbooking is not allowed	The timesheet cell shows a red error indication and submission is blocked
Logged hours exceed 100% utilization and overbooking is not allowed	After submitting, the timesheet cell is marked in red

Example User Flow

1. Open the Advanced Grid timesheet.
2. Enter hours for a task assignment.
3. Hover over the timesheet cell to review budget, remaining hours, and utilization.
4. If the assignment is near or above budget, review the warning or error state.
5. Submit the timesheet.
6. If overbooking is allowed, submission continues.
7. If overbooking is not allowed, correct the entry before submitting again.

Feature Flag and Configuration

Budget validation is controlled by the timesheet configuration JSON and by the assignment field that determines whether overbooking is blocked.

To enable the full Timesheet Budget behavior:

- set enableBudgetValidation to true
- set preventOverbookingField to the schema name of the assignment field that stores the overbooking rule, for example tpg_preventoverbooking

- confirm that the assignment budget field is populated so the timesheet has a budget to compare against
- optionally adjust warningThreshold if you want a value other than the default 80%
- optionally set budgetField if the assignment budget is stored in a field other than the default effort field
- in Scheduler, add the Prevent Overbooking column to the assignment view and enable it for assignments that must block over-budget time entry

When enableBudgetValidation is enabled:

- the timesheet reads the assignment budget and compares it with the cumulative logged hours for the assignment
- tooltip information is available on budget-aware cells
- the warning threshold is evaluated and warning colors are shown when the configured utilization limit is reached
- the preventOverbookingField value decides whether an over-budget entry is blocked or only shown as a warning
- if budgetField is configured, that field is used as the budget source instead of the default assignment effort field

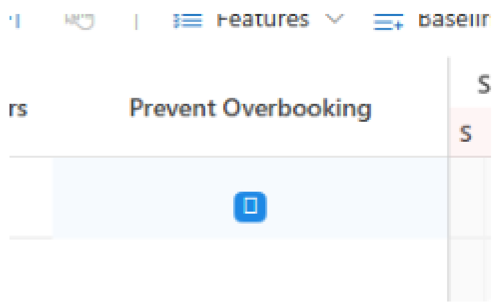
When enableBudgetValidation is disabled:

- the existing timesheet behavior remains unchanged
- budget validation does not affect entry or submission

The Prevent Overbooking value is maintained on the assignment in Scheduler. If this field is active for an assignment, over-budget submission is blocked and the cell shows a red error state. If it is not active, the user can still enter time above budget, but the cell shows a warning state instead.

Example configuration:

```
{
        "timesheet": {
                "enableBudgetValidation": true,
                "preventOverbookingField": "tpg_preventoverbooking",
                "warningThreshold": 80
        }
}
```



Important Notes

- Budget usage is cumulative across all timesheet entries for the same assignment.
- The calculation is independent of task date boundaries.
- The warning threshold is configurable and defaults to 80%.
- Whether overbooking is allowed depends on the assignment configuration.
- When overbooking is allowed, an over-budget cell remains editable but shows an orange or yellow warning indication.
- When overbooking is not allowed, an over-budget cell shows a red error indication.
- When the configured warning threshold is reached, the cell shows a yellow warning indication after submitting.
- When utilization exceeds 100% and overbooking is not allowed, the cell is marked in red after submitting.

Summary

Timesheet Budget gives users immediate feedback about assignment utilization, warns when an assignment is close to its limit, and can block submission when overbooking is not allowed. This helps protect assignment effort limits while still supporting flexible behavior where overbooking is permitted.

7 Import MPP Changes

This update includes the following changes in Import MPP:

- Import MPP PowerShell script enhancements 32

7.1 Import MPP PowerShell script enhancements

The Import MPP PowerShell script has been updated and improved.

The function now uses a Flex Consumption Plan by default, and the MPP import has been upgraded to the latest Java version to ensure better compatibility and maintainability.