
Advanced Manufacturing and Project Planning 10.2.8.104 for Dynamics 365 for Finance and Operations 10.0

Release Notes

Table of Contents

| | | |
|-----------|---|-----------|
| 1. | General | 4 |
| 1.1 | Purpose | 4 |
| 1.2 | Audience | 5 |
| 1.3 | Content list..... | 5 |
| 1.4 | Advanced Manufacturing and Project Planning license coverage..... | 6 |
| 1.5 | Upgrade from earlier versions | 7 |
| 2. | New features | 8 |
| 2.1 | New for this release | 8 |
| 2.2 | New for previous releases..... | 8 |
| 2.3 | New D365 functional topics considered for this release..... | 27 |
| 2.4 | New D365 functional topics considered for previous releases | 28 |
| 2.5 | Discontinued features as per current release | 31 |
| 2.6 | Discontinued features as per previous releases..... | 32 |
| 3. | Fixes summary | 35 |
| 3.1 | Fixes for this release | 35 |
| 3.2 | Fixes for previous releases | 36 |
| 4. | Known Issues | 60 |

Document Information

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1. General

1.1 Purpose

This document describes the functionality developed for Advanced Manufacturing and Project Planning 10.2.8.104 for Dynamics 365 for Finance and Operations 10.0.

Purpose of this release is:

| Topic | Yes/ No | Remarks |
|---|---------|---------|
| Update to new Microsoft release | Yes | |
| New features | Yes | |
| New D365 functional topics considerations | No | |
| Bug fixes | Yes | |
| Discontinued features | No | |

See chapter 4 for known issues.

Cross reference to LCS solutions:

| Solution | Solution Version | Remarks |
|---|------------------|-------------------------------|
| Advanced Manufacturing and Project Planning D365 10.0 | 13 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 12 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 11 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 10 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 9 | Monthly release of D365 10.0. |

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|---|---|---|
| Advanced Manufacturing and Project Planning D365 10.0 | 8 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 7 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 6 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 5 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 4 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 3 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 2 | Monthly release of D365 10.0. |
| Advanced Manufacturing and Project Planning D365 10.0 | 1 | Monthly release of D365 10.0. The name of the solution is changed from Advanced Project Planning to Advanced Manufacturing and Project Planning |
| Advanced Manufacturing Planning D365 10.0 | 1 | Initial update of D365 10.0. With this release the name of the solution is changed from Advanced Project Planning to Advanced Manufacturing Planning, this reflects the addition of Planning for Production orders to the solution. See 1.4 for more details. |

1.2 Audience

The audience for this document is certified partners selling and implementing as well as customers who have bought the solution.

1.3 Content list

Advanced Manufacturing and Project Planning 10.2.8.104 for Dynamics 365 for Finance and Operations 10.0 is released on the following Microsoft Dynamics 365 build and this consists of the below deliverables.

| Installed product version | Installed Platform version | Remarks |
|---------------------------|----------------------------|---------|
|---------------------------|----------------------------|---------|

| | | |
|---|------------------------------|--|
| Microsoft Dynamics 365 for Finance and Operations 10.0.14 | Platform Update 41 or higher | |
|---|------------------------------|--|

| Product | Version | Type | Remarks |
|-------------|------------|--------------------|---------|
| AXTvp | 10.2.8.104 | Deployable package | |
| AXTctrl | 10.2.8.104 | Deployable package | |
| AXTplatform | 10.0.4.4 | Deployable package | |

Important notes:

The minimal required AXtension® Planning & Control and AXtension® Invoice Processing versions in order for AXtension® Planning & Control - Subcontractor Management to work are:

AXtension® Planning & Control release 10.2.0.94

AXtension® Invoice Processing release 10.3.0.262

Advanced Manufacturing and Project Planning is compatible with the following solutions for Dynamics 365 for Finance and Operations.

| Product | Remarks |
|----------------------------------|-------------------------------------|
| Rapid Value | Optional, requires separate license |
| Advanced Maintenance and Service | Optional, requires separate license |
| Advanced Project Management | Optional, requires separate license |
| Product Engineering | Optional, requires separate license |
| Business integration Solutions | Optional, requires separate license |
| Invoice Workflow | Optional, requires separate license |

Note that it cannot be excluded that above solutions may require merge efforts when applying them in one combined installation. This may affect functions and features of one or more of these solutions.

1.4 Advanced Manufacturing and Project Planning license coverage

Advanced Manufacturing and Project Planning is governed by licenses that control access to specific functions and features.

| Feature | License | Remarks |
|-----------------------------|---------|-------------------------------------|
| Task Planning (Project) | APP | For Projects and Project quotations |
| Resource Planning (Project) | APP | For Projects and Project quotations |

| | | |
|--------------------------------|-----|---|
| Capacity overview (Project) | APP | For Projects and Project quotations |
| Task Planning (Production) | AMP | For Production orders and Planned production orders |
| Resource Planning (Production) | AMP | For Production orders and Planned production orders |
| Capacity overview (Production) | AMP | For Production orders and Planned production orders |

When both licenses are present, Advanced Manufacturing Planning works seamlessly with Advanced Project Planning.

1.5 Upgrade from earlier versions

Upgrade of Advanced Manufacturing and Project Planning from Advanced Project Planning for D365 7.3 onwards is supported via the use of the migration process and tooling as required to upgrade from Microsoft Dynamics 365 for Operations.

2. New features

2.1 New for this release

- Allow manual adjustment of the ETC value for all calculation methods
There is a new option that enables manual adjustment of the ETC value in the progress and estimate data set for all calculation methods
- Different calendar secondary resource, schedule no longer same as primary
When using AXtension Planning to schedule production jobs the duration of a secondary job should always be equal to the duration of the primary job so that the planning is correct and it can be trusted.

2.2 New for previous releases

2.2.1 New for release **Advanced Manufacturing Planning 10.2.1.95 for Dynamics 365 for Finance and Operations 10.0**

- Possibility to add resource in resource assignment screen
It is possible to schedule a large task for one or more specific day(s) to one or more specific resource(s) without having to schedule the entire task anymore. There is a new button "Add resource" on the edit assignments screen. After adding the resource you can define the number of hours in the resource effort details.
- Show item availability on grid for project related sales order lines
The item availability information (icon, status, planned date) is added to project related sales order lines in the sales order form.
- Production color filter on resource planning on production
A new filter 'Production color' is added to the production filters on the resource planning. This filter is only available in case the parameter 'Use color from production order' in the Planning parameters is set to 'Yes'. The filter allows to filter production tasks based on the color that is defined on the production order header.
- Added dependency on transfer order in task planning
We now also support dependency on transfer orders (shipment date or receipt date) in the task planning.
- Add selection to cluster, go to cluster screen
When adding a task to a new or existing cluster the cluster is shown to inform the user and makes it possible to adjust the information like the cluster color to use.
- Production scheduling property filter on resource planning
A new filter 'Scheduling property' is added to the production filters for the resource planning. The filter allows to filter production tasks based on the scheduling property that is defined on the production order header.
- Dates for sales order lines from projects

In the Planning parameters, on the 'Item tracking' tab the user can define how item requirement lines are updated when the linked activity is moved in the project planning (parameter Item requirement date update). The option 'None' is added to this parameter. When this option is set, when moving an activity, linked item requirement lines (sales order lines) are not updated.

- **Select individual resources in resource planning**
We added the option to show individual resources in the resource planning (e.g. without the resource group). This option also allows to show a resource group without all resources in the group.
This only works when the resource planning is opened from the main menu.
- **Show planned production orders for project quotations in the task planning**
For project quotations that have related planned production orders, these planned production orders can be visualized in the task planning. A planned production order is only showed if the planned order sources only the quotation or quotation line that is linked to a task.
- **Order resources in resource planning**
The resources in the resource planning are now shown in the same order as they are listed in the resource selection dialog.
This only works when the resource planning is opened from the main menu.
- **Subcontractor Management**
A new package Subcontractor Management (AXTpcsm) has been added. Subcontractor management covers management of subcontracting activities in AXtension Planning & Control. This functionality can only be used in combination with AXtension Invoice Processing and is not delivered as part of the standard AXtension Planning & Control package.
Key functionalities of subcontractor management are:
 - A new listpage for maintaining subcontracting contracts is available.
 - Lines to be subcontracted can be added to contracts from Planning and Control budget version lines, Project work breakdown structure and Planning and Control taskplanning.
 - Lines to be subcontracted can be added to contracts from a contract for Planning and Control budget version lines or project cost and revenue lines
 - Subcontracting contracts can be linked to either a purchase order or an Invoice Processing invoice contract.
 - Subcontracting contracts support the new invoice contract types 'Bucket' and 'Release'.
 - Purchase order can be created directly from the subcontracting contract for subcontracting contracts that use purchase orders
 - Invoice contract with template based on the subcontracted lines can be created directly from the subcontracting contract
 - There is a participant provider to select the cost control responsible workers in the workflow for invoice contract approval
 - End date, amount and quantity for the invoice contract can be adjusted from subcontracting contract
 - Related subcontracts info for an activity is shown in a new fact pane on the task planning
 - Related subcontracts info for an activity is added to the edit activity form in the task planning
 - Added new filters to the task planning for filtering tasks based on subcontract
 - Subcontracts can be directly opened from related entities like projects, budgets and vendors
 - Subcontracts with purchase order or invoice contract can be marked as completed manually
- **Add CBS code to template lines and split posting lines**

The CBS code is added to both the Invoice Processing template lines and the Invoice Processing split posting lines.

This functionality is a part of the subcontracting feature.

- Support for the CBS code on the sales order
On project sales orders, the CBS code can now be defined. When project transactions are created for the project sales order (i.e. during invoicing), the CBS code for the project transaction is determined base on the related sales order line. These sales orders and transactions are visible in Progress & Estimate report and included in the reporting data (Expected item requirement, Item requirement, Delivered and Actual costs).

2.2.2 New for release Advanced Manufacturing Planning 10.1.2.84 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.3 New for release Advanced Manufacturing Planning 10.1.1.83 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.4 New for release Advanced Manufacturing Planning 10.1.0.82 for Dynamics 365 for Finance and Operations 10.0

- Change default start date of Resource Planning
In the Resource planning there is an option to choose between relative and absolute dates to load the data from.
- Lock resource in resource planning
Resources in the Resource planning can now be pinnend in the top area. Under 'View options' there are actions to pin and unpin the selected resource.
- Highlight all assignments and/or tasks that belong to one project in the resource planning
In the resource planning it is possible to highlight all assignments and/or tasks that belong to one project. This is the option "Project" in the new highlight function with drop down.
- Show parent production orders in task planning
When a production order is opened in the task planning then also the parent production orders will be loaded the same way the child production orders will be loaded.
First the selected order will be showed in the task planning then the child production orders and finally the parent production orders.
- Open AXtension Content Gate from task and resource planning
AXtension Content Gate can now be opened directly from the task and resource planning. For a selected task in the Gantt, if configured, AXtension Content Gate is opened for the related context of the selected task. Currently for following types Content Gate can be opened:
 - Project tasks. For all project tasks Content Gate is opened for the project.
 - Quotation tasks. For all quotation tasks Content Gate is opened for the quotation.

- Production operations and jobs. For production operations and production jobs, Content Gate is opened for the (related) operation.
- Optimize loading tracking data
Loading item tracking data can be enabled / disabled from the Gantt preferences. Disabling loading the tracking data will result in faster loading of the data in the Gantt.
- Setup color to use per project
The Gantt color for a project can be set directly on the project, so it is no longer necessary to define this color in the planning parameters. When defining a color on the project, a record for the project will be added to the project color setup. Also when defining a color for a specific project in the color setup in the parameters, this color will be visible on the project.
- Move color selection to control view options
It is possible to choose the colors to show in the Task and Resource planning in the view options of the control instead of the parameters. This makes it possible to switch between project and category colors.
- Ability to select more colors for task and resource planning
Currently the actual colors you can use are about 8. Because we change the colors in the control, it looks like you can select all colors. Now a new color lookup is provided with 48 color and these colors are also used in the control to display the bars.
- Highlight production orders in resource planning
In the resource planning it is possible to highlight all production orders that belong together. This is the option "Highlight references" in the new highlight function with drop down. The already existing function "Highlight order" has moved to this drop down.
- Edit assignment form in resource planning - assign to other resource
We added new functionality to the 'Edit assignment' form. We made it possible to assign all hours from a selection of days for a resource to another resource
- Edit assignment form in resource planning - distribute hours
We added new functionality to the 'Edit assignment' form. We made it possible to redistribute all hours from a selection of days for a resource over those selected days using a selected distribution method.
The available options are:
Full capacity, Remaining capacity, Distribute evenly, Capacity percentage
- Highlight for project resource assignments
The highlight function is now also available in the project resource planning. This will highlight all assignments that belong to the selected task.
- Allow assignments to be rescheduled within boundary of task
We made it possible to reschedule an assignment in the resource planning by dragging the assignment within the start and end date of the task.
Rescheduling will be done using the current selected drag action.
- Edit the project plan directly from the resource planning

It is now possible to start editing the project plan for the selected task in the resource planning. This will open the task planning in edit mode.

- Opening calendar deviations for resource in the resource planning
From the resource fact pane in the resource planning, the calendar deviations for that resource can be opened directly. This option is available when a resource (production resource or equipment) is selected in the table part (left part) of the resource planning. To visualize any changes in the calendar deviations, the data in the resource planning has to be reloaded.

2.2.5 New for release Advanced Manufacturing Planning 10.0.41.80 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.6 New for release Advanced Manufacturing Planning 10.0.40.79 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.7 New for release Advanced Manufacturing Planning 10.0.39.78 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.8 New for release Advanced Manufacturing Planning 10.0.38.77 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.9 New for release Advanced Manufacturing Planning 10.0.32.70 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.10 New for release Advanced Manufacturing Planning 10.0.30.68 for Dynamics 365 for Finance and Operations 10.0

- Confirmed dates default configurable
New parameter added under Item tracking where you can choose what date of the sales order line / item requirement to update when a task moves in time (publish plan). You can only choose one date to adjust, this date is then set from the task.
No further logic is called to adjust this date (or other depending dates) using for example delivery date control settings.
- Trace items and their inventory fulfilment - visualization in resource planning
An indicator is shown in the resource planning on tasks that have a conflicting dependency (the dependency date is not met). The indicator is added to the job state indicator.
- Trace items and their inventory fulfilment - visualization in task planning
Dependencies that have been defined on a task are visualized in the task planning. A dotted line is used to visualize the relation between a task and its dependency. Depending on the dependency requirement

type (start or end of task) the lines ends at the start or end of the task. Requirements that have a date that is met (before start or end date of the task depending on the requirement type) are colored white; requirements that have a date that is not met are colored yellow.

- Straight lines instead of curved lines
Links are visualized using straight lines instead of curved lines.
- Rebranding of the solution
The solutions has be renamed. The new product name is Planning & Control:
Planning for Projects :Planning for Production & Cost Control
- Removed obsolete field AXTvp_CpmlId from solution
The field AXTvp_CpmlId on the project table is now completely removed from the solution. The field was used in the past to store the critical path id for a project and it was marked as obsolete in the February 2019 release.
- Trace items and their inventory fulfilment - added dependencies to task
It is now possible to add dependencies to a task in the task planning.
Supported dependencies are purchase order line delivery date, production order start or end date and manual date
- Configure information shown on tasks and tooltip in task and resource planning for production
For all tasks in the task and resource planning the fields displayed in a task name, task description and tooltip were pre-defined. For production tasks this has been changed. It is now possible to define what fields are displayed in the task name, task description and tooltip. A pre-defined setup for the task name, task description and tooltip will be generated for both the planned production tasks and the production tasks after installation. There is a pre-defined set of fields to choose from when creating a setup. It is possible to add own fields using extensibility.
- Visualize dates
In the Resource and Task planning there is an option to show or hide date lines.
When the option to show date lines is enabled then the following date lines are displayed for the selected task:
 - Production order start date and time, with text "Production start"
 - Production order end date and time, with text "Production end"
 - All requirement dates from the pegging information (with requirement quantity)
- Pegging information in fact pane for production orders
The fact pane "Pegging information" displays also the pegging information for production orders.
- Red dot for high priority tasks in project planning and resource planning
The (project) task in the gantt chart of the project planning and resource planning will get a red dot for high priority activities.
- Legend factbox in the factpane section of the gantt chart
A fact pane is added to the task planning and resource planning displaying the icons used in the gantt chart. The existing legend in the resource planning has been moved from the bottom of the resource planning to the new legend factbox.
- Visualize production operation with jobs embedded
In the Visual planning parameters under Production there are two general parameters to set the visualization op production operations for the Task and Resource planning. These parameters affect the

way production orders which are job scheduled will be visualized. If parameter is set to "Visualize jobs separately" then all separate jobs are displayed. If parameter is set to "Visualize jobs as operation" then the separate jobs will be shown as a single operation. In the Resource planning different colors for the jobs can be displayed within the operation when defined.

Beside the visualization separate jobs can also be scheduled at once when visualization is set to show as operation.

This change also includes technical adjustments in code and affect how new instances of AXTvp_Data or derived classes are created: the new method cannot be called directly anymore because its visibility is changed to protected.

- Update milestone date on linked account transaction
When publishing the task planning the Project Date on the On Account transaction is now updated with the start date of the linked activity
- Save and reuse resource selection
We added the option to save the current selection to the resource selection form.
A section "Saved Views" is added to the resource selection form that provides the following functions.
= Select a saved view. This will replace the selection in the form with the selection stored in the selected view.
= Save the current selection in the form as a saved view.
- Add filters for production planning
We have added additional filters to filter on production specific data in the gantt.
The following additional filters are now available:
= Order number
= Production pool
= Production group
= Production status
= Item number
= Item cost group

Note:
This feature requires an update script due to associated changes in the saved views for filters. After installing the new version run update task "Update data: Saved views for filters" under menu "Project management and accounting\Periodic\Visual planning\Data update tasks".
- Switch between curved and straight links
In de view settings of the Task planning there is an option to switch between curved of straight link lines.
- Add snap function to Resource planning
On the Resource planning there is a Snap-toggle which allows jobs and operations that are dragged to automatically snap to the next or the previous job/operation when they are are closeby.
- Adjust row and bar height
The row and bar height and margins are changed for Task and Resource planning to have an optimum of information visual.
- Resource planning unassigned tasks
In the resource planning it is now possible to also show unassigned tasks that have a role specified in the unassigned task section of the planning. The roles to show in the unassigned task section can be selected

in the chart preferences. Unassigned tasks for a role are only visible in the unassigned tasks section in case the role itself is not selected in the resource selection.

2.2.11 New for release Advanced Manufacturing Planning 10.0.29.67 for Dynamics 365 for Finance and Operations 10.0

- Item availability status on Production Order
On the Production Orders list page a column is added with the status of the item availability and a column showing the icon:
 - "Available": green
 - "Picked": Blue
 - "Planned": Orange
 - "Delayed": Red
 - "Consumed": Grey
 - "Undetermined": No icon

Replace the "Check Item Availability" menu item on the Production Orders listpage with a new Check Item availability function that works based on settings:

- > Toggle: use selection (also multiselect) or parameters
- > Parameter selection on "Start date" range
- > Parameter Selection on status

Item availability on production order is determined using the BOM lines that have item tracking enabled. Other lines are ignored.

2.2.12 New for release Advanced Manufacturing Planning 10.0.27.65 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.13 New for release Advanced Manufacturing Planning 10.0.25.63 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.14 New for release Advanced Manufacturing Planning 10.0.23.61 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.15 New for release Advanced Manufacturing Planning 8.1.18.56 for Dynamics 365 for Finance and Operations 10.0

- Visualize locked operations/orders and jobs in task planning and resource planning:
As a planner I want to see the operations and orders that are locked so I can see what operations/jobs I can't reschedule. There is a visualization that shows if a task is locked on the planning. For the visualization we use the right symbol spot on the task
- Visualize Job/Operation Status (Started, Ready to be Started):

As a resource planner I want to see the status of a job. Which jobs are started and which ones can be started because the previous tasks are completed. The previous task completed should be visible for project tasks as well, when all predecessors are completed. Note: SS and FF relation are not taken into account for this

- **Filtering data:**
There is a "Filters" menu item on the gantt chart opening a dialog to setup the filters. On the filter dialog there are several options to filter the data already loaded in the Gantt. It is also possible to save the filter settings and use them later.
- **Visualize Material Requirement in Resource Planning:**
Material requirement marker is always shown at the start and/or end of the task. Data is already shown in the fact pane. Same data should be used for the material requirement.
- **Progress on summary task:**
A new field is added to the WBS that shows the progress on summary tasks. This value is also shown on the Gantt.
Note: for performance reasons, the progress value is saved on the task. To initially calculate the progress for summary tasks on existing projects, the function 'Update progress on summary tasks' must be executed. This function can be found under 'Project management and accounting / Periodic / Visual Planning / Data update tasks). This function is only available for users with administrator rights
- **Show earliest start and latest finish date during drag drop of tasks:**
For projects and quotations that are linked to a critical path id and for which the critical path is calculated, during drag / drop of a task, the earliest start and latest finish date from the critical path calculation is visualized in the task planning
- **Visualization of clusters:**
The visualization of production clusters is changed. For production tasks that are part of a production cluster, the right end of the task is colored with the cluster color. This visualization is always visible in both the task and resource planning. The 'Show cluster' button is now called 'Select cluster'.
- **Resource status for task:**
A new visual is introduced to the tasks in the task planning to show the lowest resourcing status of all resources associated with the task. This visual will help to easily identify potential resource issues on tasks.
- **Lock an operation or job for rescheduling on resource planning:**
It is now possible to lock/unlock an operation or job for rescheduling in the resource planning.
- **Release, Start & Report operation/job as finished from resource planning & task planning:**
It is now possible to Release, Start and Report operation/job as finished for selected operations/jobs directly from the resource planning and from the task planning.
- **Transfer item line to item requirement for a task:**
On the 'Edit task' form in the task planning we added the option to transfer selected cost and estimate lines directly to item requirement.
- **Import and export templates from task planning:**

It is now possible to export and import WBS templates directly from task planning.

- Add and edit estimate lines for all transaction types on a task in the task planning:
It is now possible to add cost and estimate lines for fees, items, hours and expenses directly on the 'Edit task' form in the task planning
- Adjustment to Capacity Overview:
The content of a cell in the Capacity Overview has changed. Now the first line contains the load percentage, the second line the total capacity and the third line the hard and soft commit hours. Initial the load only includes hard committed hours. The toggle 'Show hard/soft reservation details' is replaced with 'Include soft reservation'. With this toggle on the soft commit hours are also included in the load.
- Add resource capacity validation on assigned resources:
As a project planner, when I open task details and go to the assigned resources, I want to see a status, like with the materials to see if the resource has sufficient capacity. The visualisation should comply to the capacity overview. Show total available capacity on resource for activity duration / Total demand for resource during task duration.
 - Color:
 - 1. Light green: Capacity remaining
 - 2. Bright green: Full capacity
 - 3. Light red: 10% Overloaded
 - 4. Bright red: >10% Overloaded
- WBS ID can be shown in Task Planning:
The WBS ID is now also available in the Task Planning. Setup the Gantt control table to show the WBS ID.

2.2.16 New for release Advanced Manufacturing Planning 8.1.15.53 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.17 New for release Advanced Manufacturing Planning 8.1.13.51 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.18 New for release Advanced Manufacturing Planning 8.1.12.50 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.19 New for release Advanced Manufacturing Planning 8.1.11.49 for Dynamics 365 for Finance and Operations 10.0

No new features in this release

2.2.20 New for release Advanced Manufacturing Planning 8.1.8.46 for Dynamics 365 for Finance and Operations 10.0

Visual planning for Production orders is added providing the following capabilities.

- Visualize and re-schedule via drag and drop production orders and their jobs or operations as well as planned production orders in the Gantt;
- Drag and drop re-scheduling of operations or jobs on resources or resource group;
- Quickly establish the impact from rescheduling one or more orders on other production orders, planned orders and project activities in one Gantt;
- Visualize resource availability by period for both planned production orders and production orders in order to optimize resource utilization;
- Show the availability of required materials on production operation or job;
- Validate the impact of planned production orders before firming them;
- Optimize production throughput by scheduling a bottleneck machine optimally and let the other operations adhere to that schedule;
- Jobs and Operations can be selected in the desired sequence and connected to one another. Previous and next operations can be easily connected back to the selected operation;
- Production jobs and operations can be clustered to optimize scheduling them as a group;
- Re-schedule based on progress of the operation

2.2.21 New for release Advanced Project Planning 8.1.5.43 for Dynamics 365 for Finance and Operations 8.1.3

- Usability improvements for critical path
The critical path ID is moved from project setup to project parameters
- Support for FF, SS and delayed links in critical path calculation
The critical path calculation now support FF, SS and delayed links
- Production order operation effort adjustment
When on an operation or job the percentage completion is filled this would lead to decrease of the duration when reschedule in Visual Planning. Effort of a production order operation or job should not decrease when specify a percentage of completion
- Automatically reschedule operations that are behind or in the past based on percentage of completion.
- As a production manager I want to automatically reschedule all operations/jobs before the current date and time to be in line with (now) based on their percentage of completion.
- Add period interval navigation to date selection
- In the chart preferences you want to have arrows to adjust the period
- Automatically recalculate critical path on publish
- As a user I want the critical path Id's that already exists are recalculated when the project planning is published so my critical path is always up to date
- Add option to milestone to make it a constraint
- As a planner I want my milestones to be fixed and not to automatically reschedule. In this way I am able to use it as a constraint in my planning.
- Pegging information fact pane
- A fact pane is added to the task planning and resource planning displaying pegging information for a planned production order
- Fact pane with production route feedback

- A fact pane is added to the task and resource planning showing production route feedback: total quantity, good quantity, error quantity and hours
- Personal or persistent chart preferences
- Chart preferences on the task planning and resource planning are made persistent for the user. Preference settings are stored depending on from where a form is opened, so preferences set when opening task planning from a project can differ from preferences set when opening task planning from the Project management and accounting menu.
- Multi select tasks for quick linking
- In case a selection of tasks contained summary tasks, the arrange options 'Link' and 'Unlink' were disabled. This has been changed so, linking and unlinking selected tasks if also summary tasks are selected. Summary tasks will be ignored when linking tasks.
- Use quotation probability percentage in capacity overview for quotation capacity
- In the parameters a probability percentage for project quotations can be set. In the capacity overview allocations for quotation tasks are only taken into account in case the probability percentage for the quotation is above the defined percentage.
- Edit and assign resources in Edit activity form
- It is now possible to directly edit and assign resources to a task directly in the Edit activity form
- Visual Planning specific data in the work breakdown structure
- Visual Planning specific task data is added to the standard work breakdown structure form. The following specific data is displayed:
 - Milestone
 - Recurrence pattern
 - Predecessor list
- Add support for recurring task
- We added the option to create recurring tasks
- "Quick plan" options in resource planning
- It is now possible to quickly redistribute hours over resources using quick plan buttons. You can select one resource from the overview table and then choose one of the quick planning options to use with drag and drop of the resource.
- The following options are available:
 - Full capacity (Use the theoretical daily capacity of all selected resources to finish task as early as possible)
 - Remaining capacity (Same as full capacity, but now taking into account already planned tasks for the resources)
 - Distribute evenly (Effort is distributed evenly over the total duration of that task)
 - Capacity percentage (You can set a percentage of the full capacity that you want to spent daily per resource. Planning is identical to full capacity but then using the maximum percentage that is set here)
- Improve people selection in resource selection
- The people selection function in the resource selection form has been improved.
- A new option is added that allows people selection by selecting one or more departments.
- Show all tasks for resource

- We added a new option 'Show all tasks for resource' to the chart preferences of the resource planning form.
- Selecting this options will show all tasks for the visible resources in the resource planning. The tasks that do not belong to the calling project / production order are shown in a different color.
- Filter on multiple categories
- It is now possible to select multiple categories in the chart preferences to filter on
- Resource selection option in single project view of resource planning
- When editing multiple quotations or projects in the resource planning there is the option to select the roles, resources and/or equipment to be shown in the resource planning. This option is now also available when the resource planning is opened for a single project or quotation.
- Production task options - schedule previous
- In the resource planning the option is added to schedule the previous tasks of the selected production task. This will schedule the preceding production tasks directly before the selected production task.
- Production task options - schedule next
- In the resource planning the option is added to schedule the next tasks of the selected production task. This will schedule the succeeding production tasks directly after the selected production task.
- Production task options - connect selection
- In the resource planning the option is added to connect selected production tasks. The selected tasks will be scheduled directly after each other.
- Parameters added to control production task and job behavior
- Settings have been added to the Visual Planning parameters to control the behavior of production tasks and jobs:
 - Define in which production statuses rescheduling and reallocating is allowed
 - Define which operation priorities are displayed in the task and resource planning
 - Define which job types are displayed in the resource planning
- Details overview of all planned resources for a selected task
- As a project planner I want to be able to quickly view the specific distribution of hours on a task over the different resources

2.2.22 New for release Advanced Project Planning 8.1.3.40 for Dynamics 365 for Finance and Operations 8.1.3

No new features in this release

2.2.23 New for release Advanced Project Planning 8.1.1.37 for Dynamics 365 for Finance and Operations 8.1.1

No new features in this release

2.2.24 New for release Advanced Project Planning 8.1.0.36 for Dynamics 365 for Finance and Operations 8.1

No new features in this release

2.2.25 New for release Advanced Project Planning 8.0.3.29 for Dynamics 365 for Finance and Operations 8.0

- Critical path calculation
There is a function that calculates the critical path for one or more projects Work breakdown structure or from the Quotation Work breakdown structure. The critical path can be visualized in the Task planning.
- Multi-publish performance improvements
When publishing multiple projects at once in the Task Planning (Publish all) this is now performed in the background. If the publishing is not finished a user looking at Task planning will see the previous published version which cannot be modified. Once the publishing is finished the user gets to see the latest version upon refreshing the screen and can edit this version if required.

2.2.26 New for release Advanced Project Planning 8.0.0.25 for Dynamics 365 for Finance and Operations 8.0

No new features in this release

2.2.27 New for release Advanced Project Planning 7.3.9.31 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3

- Critical path calculation
There is a function that calculates the critical path for one or more projects Work breakdown structure or from the Quotation Work breakdown structure. The critical path can be visualized in the Task planning.
- Multi-publish performance improvements
When publishing multiple projects at once in the Task Planning (Publish all) this is now performed in the background. If the publishing is not finished a user looking at Task planning will see the previous published version which cannot be modified. Once the publishing is finished the user gets to see the latest version upon refreshing the screen and can edit this version if required

2.2.28 New for release Advanced Project Planning 7.3.8.27 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3

No new features in this release

2.2.29 New for release Advanced Project Planning 7.3.7.24 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3

No new features in this release

2.2.30 New for release Advanced Project Planning 7.3.6.23 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3 May update

No new features in this release

2.2.31 New for release Advanced Project Planning 7.3.3.18 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3

7.3.3.18

- Fixed links in multi-edit

We fixed an issue that caused links between tasks to disappear when editing multiple projects

7.3.2.17

- New Gantt Control

The existing Gantt Control of Bryntum is replaced by a new Gantt Control from Netronic. This new Gantt control provides many advantages over the existing one in terms of functionality, performance and usability. Also there are now options to configure the grid area columns for the Gantt charts. Please consult the manual for more details.

- Improve usability of menu items

The layout of the action panes in the task planning, resource planning and capacity overview forms has changed so buttons are positioned more logically and frequently used buttons are directly available on the action panes to improve usability.

- Item tracking indicators on D365 forms

Item tracking indicators have been added to several D365 forms to get a quick insight in the availability of items linked to Visual Planning tasks. The indicators are added to:

- Derived requirements for planned production orders
- Production BOM
- Visual Planning activity edit form

7.3.1.16

- Filtering in Task and Resource planning form

The standard AX 'Show filters' option is hidden for the Task and Resource planning

- Multi select production orders when opening resource planning

We added a feature that makes it possible to open the resource planner when selecting multiple (planned) production orders, without getting the "Select resources" dialog.

- Add and or remove multiple selected tasks to the critical path

We added the feature to add or remove multiple selected tasks to the critical path. Note that only tasks without children are marked as critical. When highlighting the critical path in the task planning the tasks are marked as critical.

- Automatically select the first task when loading task data

We will now automatically select the first task when data is loaded in the task planning and resource planning.

- Scheduling tasks not limited to roles

As a project planner I want to be able to move tasks to people that do not have the right role for the task, because they still have the right competence. In some cases I need to be able to do this even when they don't even have the right competences.

We also added a new parameter that controls whether or not it is possible to assign a task to a worker with non-matching role or competences.

- Show planned activities for a single worker/equipment in the resource planning

On the resource planning form we added a feature to show a list of all planned activities for a single worker / equipment. This list will show all planned activities for that resource for the period of the resource planning.

- The zoom level on the capacity overview form is persistent for a user

The selected zoom level on the capacity overview form is now made persistent for the user.

- Gantt fact boxes are populated with data as soon as a Gantt-item is clicked

When a fact-box on the Gantt is shown it will now always display the correct data corresponding to the selected Gantt-item.

- Select workers based on competences in overall resource planning

As a project planner I want to be able to plan tasks between people that all have the same competences. It should therefore be possible to select workers not only based on role, but also use the competences

- Task planning multi edit improvements

We added a setting to the parameters screen to enable extra options for multi edit in task planning. It is now possible to publish and/or discard project WBS that are already in draft when starting a multi edit session.

7.3.0.14

- Support for Dynamics 365 Fall update December 2017

We added support for the 2017 fall update (December 2017) of Dynamics 365 for Finance and Operations.

7.2.2.13

- Team Members license type

We changed the license type of the menu items so visual planning no longer causes the license type of specific roles to be "Enterprise" instead of "Team members"

- Optimize resource selection for resource planning and capacity overview

We optimized the dialog that is shown before opening the resource planning or capacity overview, so that you now only see resources that you can actually use in the planning.

- Respect links to other projects when planning

When planning a project, hard links to other projects are now taken into account.

- Opening resource planning for multiple-projects if some have no published WBS

If a project has no published WBS, the resource planning is not available.

The current behaviour is, if one of the projects in the selection has no published WBS the resource planning cannot be opened at all.

However, you would want the resource planning to be opened for the projects for which this is possible, similar to opening resource planning from the menu.

- Multiple company task planning not allowed

When select multiple projects in the project list page from multiple companies the task planning should not allowed to open. The reason for this is that the selection does not include the company.

- Task planning header information

Task planning header showing information for projects in multiple states

- Edit multiple projects the same time

We added the feature that makes it possible to edit multiple selected project at the same time in task planning. When selecting multiple projects, a user can choose for "Edit all". After edit (including adding links between tasks) a user can choose to publish all projects the same time. It is also possible to discard all edits to the projects.

- Show linked projects in task planning

We added an option in the Gantt preferences to include linked projects. When enabling this setting, all linked projects are shown in the task planning. Linked projects are projects that have at least one task linked to each other.

7.2.1.12

- Option to show subprojects in task planning

Added the possibility to include all sub projects for a project in the task planning form. This is a new option that can be switched on or off using the chart preferences on the task planning form.

- Show multiple roles in capacity overview

It is now possible to show multiple roles on the capacities overview form. Multiple roles can be selected when opening the capacity overview form and users will be shown related to the roles according their organizational setting.

- Expand number of columns for worker selection for resource planning or capacity overview

Added several additional columns to the human resources selection area when opening the resource planning or capacity overview form. This allows for smarter selection of a group of workers.

- Usability improvements to Gantt filtering

We made some improvements to the task planning and resource planning forms. We removed the filters above of the Gantt charts and placed them in the "Gantt preferences" dialog.

A user can access the dialog in the action pane menu. After closing the preferences dialog, the control is refreshed with the new filter and data selection settings.

- Show unassigned tasks in multi-project resource planning

As a resource planner I want to be able to assign tasks to various resources over multiple projects.

- Multi-select support for opening capacity overview

From a list page (projects, project quotations, production orders and planned production orders), multiple records can be selected and the capacity overview form can be opened for this selection.

- Multi-select support for opening resource planning

From a list page (projects, project quotations, production orders and planned production orders), multiple records can be selected and the resource planning can be opened for this selection.

- Multi-select support for opening task planning

From a list page (projects, project quotations, production orders and planned production orders), multiple records can be selected and the task planning can be opened for this selection.

7.2.1.10

No new features in this release

7.2.1.9

- Model descriptor id change
The solution model had a conflicting id with one of the other solutions. We solved this issue.

2.2.32 New for release Advanced Project Planning 7.2.0.8 for Dynamics 365 for Finance and Operations Enterprise Edition, July 2017 update

7.2.0.8

- Open Resource Planning for all projects. It is now possible to open a Resource Planning for all projects. In the associated fact box you can choose the time period for the Resource Planning and you can choose which Human resources (Roles or People) and Equipment should be incorporated in the Resource Planning.
- Open Capacity Overview for all projects. It is now possible to open a Capacity Overview for all projects. In the associated fact box you can choose the time period for the Capacity Overview and you can choose which Human resources (Roles or People) and Equipment should be incorporated in the Capacity Overview.
- Support for Dynamics 365 Spring update July 2017. Support for the 2017 spring update (July 2017) of Dynamics 365 for Finance and Operations.
- Intercompany objects. The option to show intercompany projects and production orders (VP for Production) in the task planning has been added.
- Reapply links in task planning. A feature that makes it possible to reapply links in the task planning has been added. When the user selects a task in task planning and clicks the Reapply links menu item in the action pane, the tasks are rescheduled according to the links that are setup.
- Highlight critical path in task planning. The option to highlight the critical path in the task planning has been added. Which activities are part of the critical path is managed by the user by setting the applicable checkbox for the activity.
- Move project / quotation. In Visual Planning the option is added to move a complete project or quotation to a new start or end date.
- Visual resource planning in Project Quotations. The visual resource planning screen can now be opened from the quotation phase
- Change date in main capacity overview screen. It is now possible to change start date and end date directly on the main capacity overview form

7.1.1.7

- Open resource planning from capacity overview form. A menu item is added to the capacity overview form to open the resource planning, based on the selected cell in the capacity overview.
- Migrate scheduler from 2012 to AX7 to improve performance. In order to improve the performance of the scheduler code optimizations have been implemented.
- Buttons for production orders and planned orders in Task planning (VP for Production). Buttons have been added to directly access the relevant information for a (planned) production order like

the order, the BOM, the operations and the jobs. For (planned) batch orders it is also possible to access the co- and by products directly from the task planning.

- Show project when opening task planning for a new project. When you create a new project with no published WBS and open the task planning, we made sure the project is visible in the task planning.
- Removed over-layering in Application Suite package. We refactored some over-layered objects in the Application Suite package.
- About box for copyright statements. Information to the VP parameters screen showing a copyrights statement. This is required to display the copyrights for the Gantt Control.

2.2.33 New for release Advanced Project Planning 7.0.1.6 for Dynamics 365 Operations Update 3

Task planning

- For quotations, task planning is now always in edit mode. When opening the planning can be edited directly.
- On the task edit form the following unused field are removed:
 - Task Id
 - Constraint type and constraint date
 - Calendar
 - Critical path
- Task type now only supports the following types:
 - Task
 - Milestone
- Versioning: When you publish a project you now have the option to add in additional information: a version name and version comments. Also you can identify if this version is to be used as a baseline or not. In the menu there is a new option: retrieve version. With this function you can select a previously published version. This will then serve as a basis for your new draft version. Note that only WBS tasks are stored in a version. Resource assignments are not version related and will be linked to tasks regardless of WBS-version.
- Assigned resources are displayed in the task planning: If resource assignments have been made for a task, the assigned resources are displayed in the grid of the task planning.
- Version information is displayed in the task planning form: For projects different versions of the WBS planning can exist. The version that is displayed in the task planning when opening the planning for a project is displayed in the task planning.
- Auto select first node when opening task planning: When opening the task planning the first node in the task planning is always selected automatically so succeeding actions can be performed directly without first having to select a node.
- Open edit activity form on double click: When double clicking on a task in the Gantt in the task planning form, the Edit Activity form for the task is opened.
- Data entity improvements: The data entity for the Visual Planning parameters only supported the export of data, not importing data. This has been fixed so it is also possible to import the Visual Planning parameters using the data entity. Furthermore, the following data entities have been added:
 - Visual Planning - Gantt colours
 - Visual Planning - Item tracking model group setup

- Visual Planning - Project parameters

As part of this, the item tracking setup on model group can now be done directly from the Visual Planning parameters.

Visual Resource scheduling

There is a new section in VP to support Visual Resource scheduling. The project resources are now displayed in a visual manner.

There are three visualization panes:

- The resource scheduler shows the tasks for each resource
- The resource utilization gives a utilization overview in hours for each of your project resources
- The resource histogram displays the utilization in a histogram

2.2.34 New for release Advanced Project Planning 7.0.1.5 for Dynamics 365 Operations Update 2

Task planning in Project Quotation

- Visualize WBS activities in Gantt planning
- Link Activities (FS, SS, FF,)
- Reserve workers using standard AX resource assignment forms
- Reserve resources or resource groups of type machine.
- Create and edit task
- Create milestone
- Indent, outdent, Move up, move down

Task planning in Project

- Visualize WBS activities in Gantt planning
- Link Activities (FS, SS, FF,)
- Reserve workers using standard AX resource assignment forms
- Reserve resources or resource groups of type machine.
- Create and edit task
- Create milestone
- Indent, outdent, Move up, move down
- Align with publish – draft mechanism from standard WBS
- Link and visualize Item Requirements

2.3 New D365 functional topics considered for this release

No functional topics were considered in this release.

2.4 New D365 functional topics considered for previous releases

2.4.1 New release Advanced Manufacturing and Project Planning 10.2.1.95 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.2 New release Advanced Manufacturing and Project Planning 10.1.1.83 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.3 New release Advanced Manufacturing and Project Planning 10.1.0.82 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.4 New release Advanced Manufacturing and Project Planning 10.0.41.80 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.5 New release Advanced Manufacturing and Project Planning 10.0.40.79 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.6 New release Advanced Manufacturing and Project Planning 10.0.39.78 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.7 New release Advanced Manufacturing and Project Planning 10.0.38.77 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.8 New release Advanced Manufacturing and Project Planning 10.0.32.70 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.9 New release Advanced Manufacturing and Project Planning 10.0.30.68 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.10 New release Advanced Manufacturing and Project Planning 10.0.29.67 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.11 New release Advanced Manufacturing and Project Planning 10.0.27.65 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.12 New release Advanced Manufacturing and Project Planning 10.0.25.63 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.13 New release Advanced Manufacturing and Project Planning 10.0.23.61 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.14 New release Advanced Manufacturing and Project Planning 8.1.18.56 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.15 New release Advanced Manufacturing and Project Planning 8.1.15.53 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.16 New release Advanced Manufacturing and Project Planning 8.1.13.51 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.17 New release Advanced Manufacturing and Project Planning 8.1.12.50 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.18 New release Advanced Project Planning 8.1.11.49 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.19 New release Advanced Project Planning 8.1.8.46 for Dynamics 365 for Finance and Operations 10.0

No functional topics were considered in this release

2.4.20 New release Advanced Project Planning 8.1.5.43 for Dynamics 365 for Finance and Operations 8.1.3

No functional topics were considered in this release

2.4.21 New for release Advanced Project Planning 8.1.3.40 for Dynamics 365 for Finance and Operations 8.1.3

No functional topics were considered in this release

2.4.22 New for release Advanced Project Planning 8.1.1.37 for Dynamics 365 for Finance and Operations 8.1.1

No functional topics were considered in this release

2.4.23 New for release Advanced Project Planning 8.1.0.36 for Dynamics 365 for Finance and Operations Enterprise Edition 8.1

No functional topics were considered in this release

2.4.24 New for release Advanced Project Planning 8.0.3.29 for Dynamics 365 for Finance and Operations Enterprise Edition 8.0

No functional topics were considered in this release

2.4.25 New for release Advanced Project Planning 8.0.0.25 for Dynamics 365 for Finance and Operations Enterprise Edition 8.0

No functional topics were considered in this release

2.4.26 New for release Advanced Project Planning 7.3.9.31 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3

No functional topics were considered in this release

2.4.27 New for release Advanced Project Planning 7.3.8.27 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3

No functional topics were considered in this release

2.4.28 New for release Advanced Project Planning 7.3.7.24 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3

No functional topics were considered in this release

2.4.29 New for release Advanced Project Planning 7.3.6.23 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3 May update

No functional topics were considered in this release.

2.4.30 New for release Advanced Project Planning 7.3.3.18 for Dynamics 365 for Finance and Operations, Enterprise Edition 7.3

No functional topics were considered in this release.

2.4.31 New for release Advanced Project Planning 7.2.0.8 for Dynamics 365 for Finance and Operations, Enterprise Edition, July 2017 update

No functional topics were considered in this release.

2.4.32 New for release Advanced Project Planning 7.0.1.6 for Dynamics 365 Operations Update 3

| Update 3 functional topics considered | Description | Result for Advanced Project Planning on Update 3 |
|---------------------------------------|---|--|
| Resource request Workflow | Update 3 has introduced possibility for resource request workflow as part of planning resources in projects | Currently the resource request workflow is not supported by Advanced Project Planning. |

2.4.33 New for release Advanced Project Planning 7.0.1.5 for Dynamics 365 Operations Update 2

No functional topics were considered in this release.

2.5 Discontinued features as per current release

No functional topics were discontinued in this release.

2.6 Discontinued features as per previous releases

2.6.1 Discontinued for release Advanced Manufacturing and Project Planning 10.2.1.95 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.2 Discontinued for release Advanced Manufacturing and Project Planning 10.1.1.83 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.3 Discontinued for release Advanced Manufacturing and Project Planning 10.1.0.82 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.4 Discontinued for release Advanced Manufacturing and Project Planning 10.0.41.80 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.5 Discontinued for release Advanced Manufacturing and Project Planning 10.0.40.79 for Dynamics 365 for Finance and Operations 10.0

2.6.6 Discontinued for release Advanced Manufacturing and Project Planning 10.0.39.78 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.7 Discontinued for release Advanced Manufacturing and Project Planning 10.0.38.77 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.8 Discontinued for release Advanced Manufacturing and Project Planning 10.0.32.70 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.9 Discontinued for release Advanced Manufacturing and Project Planning 10.0.30.68 for Dynamics 365 for Finance and Operations 10.0

2.6.10 Discontinued for release Advanced Manufacturing and Project Planning 10.0.29.67 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.11 Discontinued for release Advanced Manufacturing and Project Planning 10.0.27.65 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.12 Discontinued for release Advanced Manufacturing and Project Planning 10.0.25.63 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.13 Discontinued for release Advanced Manufacturing and Project Planning 10.0.23.61 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.14 Discontinued for release Advanced Manufacturing and Project Planning 8.1.18.56 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.15 Discontinued for release Advanced Manufacturing and Project Planning 8.1.15.53 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.16 Discontinued for release Advanced Manufacturing and Project Planning 8.1.13.51 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.17 Discontinued for release Advanced Manufacturing and Project Planning 8.1.12.51 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.18 Discontinued for release Advanced Project Planning 8.1.11.49 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.19 Discontinued for release Advanced Project Planning 8.1.8.46 for Dynamics 365 for Finance and Operations 10.0

No functional topics were discontinued in this release

2.6.20 Discontinued for release Advanced Project Planning 8.1.5.43 for Dynamics 365 for Finance and Operations Enterprise Edition 8.1.3

No functional topics were discontinued in this release

2.6.21 Discontinued for release Advanced Project Planning 8.1.3.40 for Dynamics 365 for Finance and Operations Enterprise Edition 8.1.3

No functional topics were discontinued in this release

2.6.22 Discontinued for release Advanced Project Planning 8.1.1.37 for Dynamics 365 for Finance and Operations Enterprise Edition 8.1.1

No functional topics were discontinued in this release

2.6.23 Discontinued for release Advanced Project Planning 8.1.0.36 for Dynamics 365 for Finance and Operations Enterprise Edition 8.1

No functional topics were discontinued in this release

2.6.24 Discontinued for release Advanced Project Planning 8.0.0.25 for Dynamics 365 for Finance and Operations Enterprise Edition 8.0

No functional topics were discontinued in this release

2.6.25 Discontinued for release Advanced Project Planning 7.3.9.31 for Dynamics 365 for Finance and Operations Enterprise Edition 8.0

No functional topics were discontinued in this release

2.6.26 Discontinued for release Advanced Project Planning 7.3.8.27 for Dynamics 365 for Finance and Operations Enterprise Edition 8.0

No functional topics were discontinued in this release

2.6.27 Discontinued for release Advanced Project Planning 7.3.7.24 for Dynamics 365 for Finance and Operations Enterprise Edition 8.0

No functional topics were discontinued in this release

2.6.28 Discontinued for release Advanced Project Planning 7.3.6.23 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3 May update

No functional topics were discontinued in this release

2.6.29 Discontinued for release Advanced Project Planning 7.3.3.18 for Dynamics 365 for Finance and Operations, Enterprise Edition 7.3

No functional topics were discontinued in this release.

2.6.30 Discontinued for release Advanced Project Planning 7.2.0.8 for Dynamics 365 for Finance and Operations, Enterprise Edition, July 2017 update

No functional topics were discontinued in this release.

2.6.31 Discontinued features as per release Visual Planning for Project 7.0.1.5

In Visual Planning for Projects in AX 2012 R3 there was the combination of Activity Planning and Classic Planning. The former being based upon the activities in the WBS and the latter upon forecast lines under activities.

To align with the conceptual design of Dynamics 365 and the solution direction from Microsoft Classic planning is discontinued for Visual Planning for Dynamics 365.

3. Fixes summary

3.1 Fixes for this release

| ID | Title | Description |
|----------------|--|--|
| AXVP1028104-01 | Milestones don't get the correct link delay | When a link is added between two milestones including a delay, the delay is one day off. When reschedule or reapply links it is correct. |
| AXVP1027103-01 | Drag resource to equipment using remaining capacity not always working ok | The drag option 'Remaining capacity' for drag and drop a resource to an equipment was not working ok for equipment that had both project assignments and quotation assignments. |
| AXVP1027103-02 | Soft reservations still exist when quotation is set to lost | When a project quotation is set to lost or is cancelled, the soft reservations on role level and soft reservations for equipment were not removed. This has been fixed. |
| AXVP026102-01 | Everything in reporting data and datasets is displayed in transaction currency | Transactions in other currencies should be in the default MST of the legal entity when included in data sets and reporting. |
| AXVP026102-02 | Estimate not using latest Progress and estimate report | Estimates on projects should always use the latest and confirmed progress and estimate dataset |
| AXVP026102-03 | Reporting data always showing Original amount zero | In the reporting data of AXtension Cost Control the column Original amount always was zero. This issue has been fixed, so the correct amount is displayed in the reporting data. |
| AXVP1025101-01 | Header task contains cost estimate record | When modify a summary task a cost and estimate record is created. Summary tasks should not contain a cost estimate. |
| AXVP1025101-02 | Header on task cannot be saved without category | It should not be required to set a category on a summary task |
| AXVP102499-01 | Transfer of won quotation to project with assigned equipment results in wrong assignment | After transfer of the WBS from a quotation to a project task assignments to equipment is not correct. |
| AXVP102499-02 | Reservation/Task not deleted/fully transferred after won quotation through wizard | After quotation is won and transferred to project the quotation tasks are still visible in the Resource planning as unassigned. |

| | | |
|---------------|---|--|
| AXVP102499-03 | Start and end date not shown correctly in tooltip | The start date and end date in the task tooltip for production orders was not correct, both in the task planning and in the resource planning. |
| AXVP102499-04 | CBS code not set on PO lines generated by MRP | The CBS code was not filled on project purchase order lines that were generated via MRP for item requirements. |
| AXVP102499-05 | Possible to delete used CBS codes by deleting parent code | It was possible to delete CBS codes that were used on transactions by deleting its parent CBS code. When deleting a CBS code its child CBS codes are also deleted. A check is added that validates if child CBS codes are in use. In that case a parent CBS code can no longer be deleted. |
| AXVP102398-01 | On hand inventory status not shown correctly | The item tracking status for production orders now uses the net requirements to determine the availability when planning parameter 'Requirement fulfilled when' is set to 'on hand'. When the planning parameter 'Purchase / Production fulfilled when' is set to 'Part delivery' then for the previous setting items are available when on hand quantity is equal or more then the qty per series in the BOM. |
| AXVP102297-01 | Resource planning with preference active task is showing closed tasks | Closed tasks that are assigned to a role are visible in the Resource planning when only active tasks should be displayed. The closed task also has a load on the role when planning parameter is set to delete capacity for closed tasks. |

3.2 Fixes for previous releases

3.2.1 Fixes for previous releases

| ID | Title | Description |
|---------------|---------------------------------------|---|
| AXVP101891-01 | Capacity not released on closing task | When parameter is set to delete capacity reservations on closing task then all reservations should be released which will unassign the task from its resources. |
| AXVP101891-02 | Performance Resource planning | With some configurations opening the Resource planning takes more than 5 seconds before the dialog to select resources |

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| | | <p>is shown. After closing the dialog it takes more than 30 seconds for the Resource planning to load the data. In this case a rol was selected.</p> <p>The cause of the delay showing the resource selection dialog is query to determine the human resources available. Now these resources are determined in a background process.</p> <p>The correct load and capacity for a rol will now be loaded when the histogram for a rol is expanded. This reduces initial loading time when the Resource planning is opened.</p> |
| AXVP101891-03 | Reapply links moves complete project planning forward by weeks | There are situations where reapply links moves the task that was selected and all linked tasks to far. The selected task should stay in place. |
| AXVP101790-01 | Drag and drop to other resource throws exception | When drag and drop a task for a planned production order or a production order to another resource an exception is thrown. This occurs for orders that are operation scheduled. This issue has been fixed. |
| AXVP101689-01 | Connect selection does not work correctly/gives errors | In the Resource planning selecting multiple jobs or operations and execute 'Connect selection' gives an error 'Illegal boundaries'. |
| AXVP101689-02 | Calendar issue on task and resource planning | For some countries regional settings were not set correctly on the Gantt control. As a result week number and first day of the week could be displayed wrong in task and resource planning. Regional settings are now set for all the countries that are supported by the Gantt control in Visual Planning. For unsupported regional settings the control will fallback to its default setting which is nl-NL. |
| AXVP101588-01 | All published subprojects will be shown | <p>When opening the Task planning (in menu Project Management & Accounting - Planning for Projects - Task planning) also the published subprojects with a draft parent project will be shown. These subprojects will only be shown when the option "Include subprojects" in the "Char preferences" has been selected.</p> <p>First, only the sub-projects were shown if the parent project was also published.</p> |
| AXVP101588-02 | Milestone with effort hours and estimated costs | When outdent a milestone and sibling tasks exists on the same level these become childs of that milestone which should not be possible. |

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| AXVP101588-03 | Function 'Reschedule based on progress' does not work | The function 'Reschedule based on progress' did not work in tasks and resource planning in case the related visualization parameter in the planning parameters was set to 'Visualize jobs as operation'. This issue has been fixed. |
| AXVP101588-04 | Date format incorrect when using other regional setting than en-US | For the configured production task information (i.e. the tooltip), the user settings for date format were not taken into account. This has been fixed. Note: After changing the date format in the user settings, this change will become active after a AOS restart. Refreshing the browser page will still use the old setting. |
| AXVP101588-05 | Performance issues on resource planning | Open Resource planning for a project that contains a role with many resource that have their own calendar takes a lot of time |
| AXVP101588-06 | Locked CBS code check does not work with activity selection | On various forms, i.e. in the project hour journal, when selecting the activity, the CBS code is filled automatically. In these situations there was not check if the CBS code is locked for posting and a record with a locked CBS code could be saved without errors. This has been changed. In case the CBS code is locked an error is given and the data cannot be saved. |
| AXVP101487-01 | Reporting data drill down does not show correct actual costs transactions | Filtering in the drill down to actual cost transactions from the reporting data form did not work correctly for transactions with no CBS code. This issue has been fixed. |
| AXVP101487-02 | Project cost control Production budget line can not be split to periods | For budget version lines of type 'Production budget' it was not possible to define the period split manually. This has been changed. |
| AXVP101385-01 | CBS code missing on production cost posted to project | For project production orders that use the posting method 'Consumption' the CBS code was not determined automatically on the project transactions that were created for the production orders. This has been fixed. |
| AXVP101284-01 | Unable to reassign task hours to equipment of type human resource | When reassign task hours from the resource assignments screen, it is not possible to select equipment of type human resource. These resources are not included in the dropdown selection. |
| AXVP101284-02 | Unable to assign task to another resource | In the Resource planning it was not possible to drag a task assigned to a role and already partially assigned to an equipment, to another equipment. |
| AXVP101284-03 | Load status on equipment not correct | In the resource assignments of a task the capacity load is not correct for equipment. |

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| | | This also effects the resource availability status in the Resource planning. |
| AXVP101284-04 | Opening task planning for a project gives error | When opening the task planning for a project the error 'Unable to cast object of type 'Dynamics.AX.Application.Forms.AXTvp_Gantt_WBS' to type 'Dynamics.AX.Application.AXTvp_ICalendarProviderConsumer' occurred when the 'Resource' fact pane was displayed. The error also occurred when opening the 'Resource' factpane afterwards. This issue has been fixed. |
| AXVP101284-05 | View security privilege allows reassigning of tasks | Users that have access to the view privileges for the resource planning for (planned) production orders were able to reassign or move production tasks in the resource planning. This issue has been fixed. |
| AXVP101183-01 | Wrong language on popups/mouseover text | The language in the tooltip is not changing when the language is changed for a user. |
| AXVP101183-02 | Highlight option "Orders" not visible when filtering in Resource planning | When only having a Planning for Projects license the highlighting of "Orders" in the Resource planning is not appearing as an option in the dropdown. |
| AXVP101183-03 | Task on equipment cannot be dragged back to a role | A task that has been planned on equipment cannot be dragged back to a role. It will just jump back to the equipment. It will however go back to the role if the assignment is deleted through the delete button. |
| AXVP101183-04 | Task on equipment that is changed in time by draftpublish is not changed in resource planning | When a task is planned on equipment and is changed on date-time and you then publish the changed plan it will not correctly be changed in the resource planning. The equipment still shows on the same spot even though the task is gone. |
| AXVP101183-05 | Drag action for equipment not working correctly | When a task is moved from a Role to equipment that is already full on capacity for the first day with Drag action: Distribute evenly then this is all planned on top of the first day that is already full on capacity. |
| AXVP101183-06 | Error when publishing WBS | In case a WBS with item requirements assigned to tasks, purchase orders and item tracking enabled, this can cause an update conflict on the purch orderline when publish the WBS. |
| AXVP101082-01 | Duplicate tasks after delete task in Resource planning | After deleting a project activity assignment the update is incorrect and other existing |

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| | | assignments for the same activity are shown duplicate |
| AXVP101082-02 | Round-off issue in resource planning | Due to small round-off differences it is possible that a project activity is marked as fully staffed but still shows a part as unassigned. |
| AXVP1004180-01 | Exception when drag production task in Resource planning after changing route | From the Resource planning the route of a production order can be changed and can cause jobs to be invalid because the work center is not assign anymore. Moving one of these jobs in the Resource planning will thow an unexpected exception. |
| AXVP1004180-02 | Drag and drop in resource planning possible when there's a resource requirement in place | It is possible to move a production order/task that has a resource requirement set on the route from one resource to another one (that's not in the requirement). |
| AXVP1004079-01 | Production Estimate is not working | When estimate production order which is using item tracking an error occurs that the record is already deleted or modified. |
| AXVP1004079-02 | Remaining capacity not as expected | In the Resource planning assigning a task with drag action 'remaining capacity' to a resource did not make correct reservations which could lead to capacity overload. |
| AXVP1003978-01 | Capacity load in Resource Planning not showed correctly since efficiency is not taken into account | Effectivity percent of the resource is not taken into account in the Resource planning and Capacity overview when displaying the available capacity and load. |
| AXVP1003978-02 | Multi select for production orders not working when opening resource planning | When selecting 2 or more production orders and open the Resource Planning for these orders, all production tasks for the resources that are loaded in the resource planning were loaded. The selection was not taken into account. This issue is solved. |
| AXVP1003978-03 | Capacity load in Resource Planning not showed correctly since efficiency is not taken into account | Effectivity percent of the resource is not taken into account in the Resource planning and Capacity overview when displaying the available capacity and load. |
| AXVP1003877-01 | Resource planning doesn't refresh after moving production job | When moving a production job in time in the resource planning, the Gantt was not updated correctly. Changes were only visible after refreshing the data. This issue has been fixed. |
| AXVP1003776-01 | Pegged level 3+ production order tasks not shown in Task planning | Production order with multi level BOM not displayed correct in the Task Planning. After the second level the sub production order tasks are not loaded. |

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| AXVP1003776-02 | Empty histogram when language is not EN-US | In the resource planning the histogram for resources was not displayed in situations where the language was not EN-US. |
| AXVP1003776-03 | Error when indenting task in WBS | In an environment where Planning for Projects is not active, the error 'Object reference not set to an instance of an object' occurred when indenting a task on the standard WBS. |
| AXVP1003675-01 | Date lines take time zones into account | When changing the users time zone, the date and time for date lines representing the start or end of a production orders are adjusted according to the users time zone. This behavior is not correct and has been changed. Independent of the users time zone, the date lines are visualized at the start / end of an order. |
| AXVP1003573-01 | Incorrect update when move task to another resource in the Resource planning | When drag a project task that is assigned to multiple resources to another resource the update is incorrect. |
| AXVP1003573-02 | Performance problem when changing resource allocation through task planning | When edit a task and change the resource allocation on the Task planning it takes a very long time to process, up to a few minutes in some cases. The performance is improved and should take only a few seconds. |
| AXVP1003270-01 | Performance issues VP for production | <p>Opening the Resource planning takes a long time with large number of production tasks for multiple resources. Performance is increased by loading the tasks in the background. Message will be displayed while data is being loaded.</p> <p>The following methods are made obsolete and replaced from this version on:</p> <p>AXTvp_DataProviderBase.onSendData AXTvp_GanttControlHandlerBase.sendData AXTvp_DataSource_WBS.catchSendData AXTvp_ResourceControlHandler.addResource</p> |
| AXVP1003068-01 | Cost price not updated on estimated cost and revenue line | When creating a new task or a budget mutation the cost price is not updated |
| AXVP1003068-02 | Calendars not loaded correctly when changing date range in Gantt preferences | When changing the date range in the Gantt preferences for the resource planning, the calendar on roles displayed in the planning were not loaded correctly. This issue has been fixed. |

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| AXVP1003068-03 | Editing the recurrence does not update the tasks correctly | When editing the effort of a recurrence task then the effort in the tasks will be updated correctly. The updated tasks of the recurrence will be shown correctly in the gantt chart. |
| AXVP1002765-01 | Refresh issue in resource planning | When for a project the Task planning is opened from the Resource planning and changes are published these are not updated when refreshing the Resource planning. |
| AXVP1002765-02 | Resource planning date selection problem | If a project has invalid task dates then this caused an issue when opening the Resource planning for multi-select projects. The date range was not determined correct. |
| AXVP1002563-01 | Duration reset for template | When importing a hierarchy from a template or other project, the duration for tasks was reset. This issue has been fixed. |
| AXVP1002462-01 | Linking task in loop damages schedule | Linking tasks in a loop causes the whole schedule to move way forward into the future. It should not be possible to create circular links. |
| AXVP1002462-02 | Closing milestones linked to an invoicing milestone does not activate the invoicing milestone | When closing a milestone in the Task planning with an invoicing milestone linked to it, the invoicing milestone is not activated. Now when closing a milestone (or task) with assigned invoicing milestones the user is asked to confirm. |
| AXVP1002361-01 | Item availability icon not correct after production order reset | After resetting the status of a started production order and starting the order again, the item tracking status for the BOM lines was not determined correctly. As a result the wrong icon was displayed on the production BOM and task planning. This issue has been fixed. |
| AXVP1002361-02 | Onhand inventory validation based on location not working | Item availability check for on hand inventory did not take the inventory dimensions into account in the correct way, i.e. when inventory was on hand on warehouse / location and on a BOM line only the warehouse was specified, the check would fail. This issue has been fixed. |
| AXVP1002361-03 | Updating the WBS structure even after the submission of project quotation | When the status of the project quotation does not allow updating of the WBS then also the Task Planning does not allow updating. |
| AXVP1002260-01 | Not possible to edit product dimensions | It is possible to edit and view the product dimensions when edit a task from the Task planning. |
| AXVP1001856-01 | Visualize progress in Resource Planning | For project tasks, progress is displayed in the resource planning. |

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| AXVP1001856-02 | Change management active | Purchase item requirement with active change management assigned to a task was blocking publishing project plan. |
| AXVP1001856-03 | Client error in resource planner: "Primary key is not unique" | A client error "Primary key is not unique" occurred sometimes in the resource planner after editing a resource assignment is fixed. |
| AXVP1001856-04 | Earliest start date and earliest finish data not correct in critical path | The calculated earliest start date and earliest finish date in the critical path calculation was not always correct in case there were milestones in the critical path is fixed |
| AXVP1001856-05 | Cluster colors not used in task planning | The color that is configured for a cluster was not used in the task planning is fixed. |
| AXVP1001856-06 | Adjust SiblingNumber other tasks after insert/delete/indent/outent | Due to WBS changes the Task Planning needs refresh when perform an indent, outdent or delete. This is because the internal WBS data changes but is not fully updated in the Task Planning. Refresh needs to be done manually, if not tasks can be displayed on the wrong location. |
| AXVP1001856-07 | Gantt loading message does not disappear | Sometimes the Gantt loading... info bar message was not removed when loading of the gantt data was ready. This issue is now fixed |
| AXVP1001856-08 | Links are missing after copying WBS from other project | The links between tasks were not copied when using the import function to copy the WBS from another project. This issue is now fixed |

3.2.2 Fixes for release Advanced Project Planning 8.1.15.53 for Dynamics 365 for Finance and Operations 10.0

| ID | Title | Description |
|---------------|---|--|
| AXVP811553-01 | Error importing WBS template with links | When importing a WBS template with links multiple times in the same project / quotation WBS, the second time the template was imported the import failed with an error (Cannot create a record in Visual Planning - Task link (AXTvp_LinkTable), Link type: FS, Hard. The record already exists). This issue is fixed |

3.2.3 Fixes for release Advanced Project Planning 8.1.13.51 for Dynamics 365 for Finance and Operations 10.0

| ID | Title | Description |
|---------------|--------------------------|---|
| AXVP811351-02 | Renew certificate | Replace certificate that expires 10 th Aug 2019. With this version, new licenses are generated with the new certificates |
| AXVP811351-01 | Summary task not updated | When copy from project option with activities is used to create a new project then the projects summary task is not update correct. |

3.2.4 Fixes for release Advanced Project Planning 8.1.12.50 for Dynamics 365 for Finance and Operations 10.0

| ID | Title | Description |
|---------------|--|---|
| AXVP811250-01 | Error in Resource Planning: Cannot Create record in resources... the record already exists | In the Resource planning when an Employee is terminated and after that be rehired, the calendar related to the first employment is not deleted. |

3.2.5 Fixes for release Advanced Project Planning 8.1.11.49 for Dynamics 365 for Finance and Operations 10.0

| ID | Title | Description |
|---------------|--|---|
| AXVP811250-01 | Error in Resource Planning: Cannot Create record in resources... the record already exists | In the Resource planning when an Employee is terminated and after that be rehired, the calendar related to the first employment is not deleted. |
| AXVP811149-01 | Indent / outdent does not work on version 10.0.2 | After the upgrade of AXtension Visual Planning to version 10.0.2 the indent and outdent functionality in the task planning does not work anymore. This issue has been fixed. |
| AXVP811149-02 | Item availability icons for production not correct | The item availability icons in Visual Planning were sometimes not correct when parameter 'Requirement fulfilled when' has value 'On hand' and items were reserved. This has been fixed. |

3.2.6 Fixes for release Advanced Project Planning 8.1.8.46 for Dynamics 365 for Finance and Operations 10.0

| ID | Title | Description |
|--------------|---|--|
| AXVP81846-01 | Visual Planning Production license error on Visual Planning parameters form | In case the Visual Planning parameters were opened in an environment that had not Visual Planning for Production license, the error "You are not authorized to access table 'Production status dragging' (AXTvp_ProdStatusSetup)..." was given. This has been fixed. |
| AXVP81846-02 | Orange triangle when BOM is picked | The orange triangle on the BOM implies that there is a problem with the item availability when the item has been picked. Therefore when the item is picked a light blue triangle is shown. |
| AXVP81846-03 | Links disappear when retrieving a previous WBS version | When a previous published version of the WBS was retrieved in the task planning, the links for this version were not retrieved resulting in a planning without links. This issue has been solved.. |

3.2.7 Fixes for release Advanced Project Planning 8.1.5.43 for Dynamics 365 for Finance and Operations 8.1.3

| ID | Title | Description |
|--------------|---|--|
| AXVP81543-01 | Opening Task and Resource planning using 'Open in new window' shows empty Gantt | Using the 'Open in new window' button on the Task planning or Resource planning results in a new window with an empty Gantt because this feature is not supported. The 'Open in new window' is now hidden on those forms. |
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3.2.8 Fixes for release Advanced Project Planning 8.1.3.40 for Dynamics 365 for Finance and Operations 8.1.3

| ID | Title | Description |
|--------------|--|---|
| AXVP81340-01 | Progress not shown from job scheduling | Progress on job scheduled production orders was not shown correctly in the task |

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| | | planning. Progress was not shown on the task bar and also not in the tooltip. This has been fixed. |
| AXVP81340-02 | Working time not specified for large duration | No working days available from <date> error shown when scheduling task with long duration |

3.2.9 Fixes for release Advanced Project Planning 8.1.1.37 for Dynamics 365 for Finance and Operations, Enterprise Edition 8.1.1 update

| ID | Title | Description |
|--------------|--|---|
| AXVP81137-01 | Quotation lines are not generated from activities created in the Task planning | Activity number is missing on estimate record when created using Task planning. |
| AXVP81137-02 | WBS links are going wrong import WBS templates on existing structure | After import an existing template with links the links are connected to the wrong activities. |
| AXVP81137-03 | Baseline shown when include sub projects in Task planning | Baseline of the root project is shown for sub project when using the include sub projects |

3.2.10 Fixes for release Advanced Project Planning 8.1.0.36 for Dynamics 365 for Finance and Operations, Enterprise Edition 8.1 update

| ID | Title | Description |
|--------------|-------------------------------|--|
| AXVP81036-01 | Import from template. | After importing a template the visual planning task planning shows strange behaviour and links are invalid. |
| AXVP80432-01 | Copy hierarchy uses wrong ID. | When create a template from a draft hierarchy this can lead to errors and unexpected behaviour because in fact the export is done for the published hierarchy. |
| AXVP80533-01 | Links to summary tasks. | When indenting tasks in the WBS planning of D365 it was possible to create links between tasks and summary tasks. This has been fixed. When indenting a task, links from and to the parent task are redirected or deleted. |

3.2.11 Fixes for release Advanced Project Planning 8.0.3.29 for Dynamics 365 for Finance and Operations, Enterprise Edition 8.0 update

| ID | Title | Title |
|--------------|--|---|
| AXVP80329-01 | Multi select tasks is invalid | Multi select tasks in the Task planning by drawing a rectangle around the tasks. When now link tasks the first selected task is linked to the last. |
| AXVP80329-02 | Task planning incorrect after import from template | When import a plan from another project that contains links the following Error occurs: Could not resolve new task references for relation, new relation not created! |
| AXVP80329-03 | Wrong legal entity shown in task details | When assign a resource from another company to an activity then when edit the activity it shows the current legal entity for this resource |
| AXVP80329-04 | Projects still visible after toggling filter | In the Resource planning project activities are still visible after disable them in the preferences. |
| AXVP80329-05 | Capacity overview shows incorrect load | Capacity load on a Role show incorrect values at the beginning and end of an activity. |
| AXVP80329-06 | Wrong capacity allocation per role | Capacity load in the histogram of a Role is not visible. |
| AXVP80329-07 | Cannot edit record AXTvp_LinkTable error message when publish | Solved error message when publishing a planning after moving a task with a relation to sub project: Cannot edit a record in Visual Planning - Task link (AXTvp_LinkTable). Link type: FS, Hard. The record already exists |

3.2.12 Fixes for release Advanced Project Planning 8.0.0.25 for Dynamics 365 for Finance and Operations, Enterprise Edition 8.0 update

No Fixes in this release

3.2.13 Fixes for release Advanced Project Planning 7.3.9.31 for Dynamics 365 for Finance and Operations, Enterprise Edition 7.3

| ID | Title | Title |
|--------------|------------------------------|--|
| AXVP73931-01 | Copy hierarchy uses wrong ID | When create a template from a draft hierarchy this can lead to errors and unexpected behaviour because in fact the export is done for the published hierarchy. |

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| AXVP73930-01 | Multi select tasks is invalid | Multi select tasks in the Task planning by drawing a rectangle around the tasks. When now link tasks the first selected task is linked to the last. |
| AXVP73930-02 | Projects still visible after toggling filter | In the Resource planning project activities are still visible after disabling them in the preferences. |
| AXVP73930-03 | Capacity overview shows incorrect load | Capacity load on a Role show incorrect values at the beginning and end of an activity. |
| AXVP73930-04 | Wrong capacity allocation per role | Capacity load in the histogram of a Role is not visible. |
| AXVP73930-05 | Cannot edit record AXTvp_LinkTable error message when publish | Solved error message when publishing a planning after moving a task with a relation to sub project: Cannot edit a record in Visual Planning - Task link (AXTvp_LinkTable). Link type: FS, Hard. The record already exists |

3.2.14 Fixes for release Advanced Project Planning 7.3.8.27 for Dynamics 365 for Finance and Operations, Enterprise Edition 7.3

| ID | Title | Title |
|--------------|--|---|
| AXVP73827-01 | Item requirement for exploded BOM item visible | After the BOM for an item requirement has been exploded, on a Visual Planning task, it was still possible to select the exploded item as an item requirement, although the requirement is replaced by the individual components. This has been fixed so this is not possible anymore. |
| AXVP73827-02 | Unable to explode BOM in item requirements | On the item requirements for a project, it is possible to explode the BOM for an item requirement to create requirements directly or one or more components of an item. This option resulted in an error in combination with the item tracking functionality of Visual Planning. This issue has been fixed. |

3.2.15 Fixes for release Advanced Project Planning 7.3.7.24 for Dynamics 365 for Finance and Operations, Enterprise Edition 7.3

| ID | Title | Title |
|--------------|---|---|
| AXVP73724-01 | Cannot edit record AXTvp_LinkTable error message when publish | Solved error message when publishing a planning after moving a task with a relation to sub project: Cannot edit a record in Visual Planning - Task link (AXTvp_LinkTable). Link type: FS, Hard. The record already exists |
| AXVP73724-02 | Issue rescheduling jobs/operations from multiple resources | When job schedule a production operation for multiple resource it is not possible to assign one of these separate operations to a different resources in the Resource planning |
| AXVP73724-03 | Remaining time lower than 1 cannot be rescheduled | In Visual Planning rescheduling a task with a remaining time less than 1 resulted in a scheduling error (Value for 'Duration' cannot be zero or negative'). This issue has been fixed. |

3.2.16 Fixes for release Advanced Project Planning 7.3.6.23 for Dynamics 365 for Finance and Operations Enterprise Edition 7.3 May update

| ID | Title | Title |
|--------------|---|---|
| AXVP73623-01 | Resources tab not shown for equipment | When an activity is only assigned to an equipment the Resources tab was not visible on the details or edit dialog. |
| AXVP73623-02 | Task and tooltip not correctly displayed in resource planning | There were some issues with displaying project and quotation tasks in the resource planning: <ul style="list-style-type: none"> - The task end was not correctly visualized (it ended 1 hour before actual end time). - The task end date was not correctly displayed in the tooltip (end time displayed was 1 hour before the actual end time). - No effort was displayed in the tooltip. These issues have been fixed. |
| AXVP73623-03 | Order of projects not correct when using subprojects | In some situations, the ordering of projects in the task planning was not correct when including |

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| | | subprojects in the view. This has been fixed. |
| AXVP73623-04 | Edit all option not visible when adding subprojects to view | In the task planning the option 'Edit all' was not available when including subprojects the view. This has been fixed. |
| AXVP73623-05 | Intercompany parameter does not accept multiple projects | When defining intercompany projects in the Visual Planning project parameters, only one intercompany project could be defined. When adding an additional project, an error occurred. This has been fixed |
| AXVP73623-06 | Opening resource planning for individual workers does not work | Opening the resource planning for individual workers did not work. When opening the resource planning from the main menu and selecting one or more individual workers, after clicking 'Ok' the error 'Initialize unknown error' was given and the individual workers were not displayed in the resource planning. This issue has been fixed.. |
| AXVP73623-07 | Invalid values error not detailed | The invalid values error prevented the task and resource planning from being opened. This has now been fixed and the error has been improved to specify the values |
| AXVP73623-08 | Issues when using links with delays | <p>There were some issues when using delays on links in the task planning:</p> <ul style="list-style-type: none"> - After defining a delay on a link, closing the edit activity form and open the edit activity form again, the delay was no longer displayed. When closing the activity edit form, the delay was removed from the link. - When a task had links to two successive tasks and on both links a delay was defined, after closing the edit activity form a duplicate primary key error occurred in the Gantt control - When a task had links to two successive tasks and on both links a delay was defined, after |

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| | | publishing the project and editing it again (so create new draft) the error "The record already exists" occurred: These three issues have been fixed. |
| AXVP73623-09 | Update Gantt widget to v1.5.002 | The OEM Gantt Widget that is used in Visual Planning has been updated to version 1.5.002. |

3.2.17 Fixes for release Advanced Project Planning 7.3.3.18 for Dynamics 365 for Finance and Operations, Enterprise Edition 7.3

| ID | Title | Title |
|--------------|---|---|
| AXVP73116-01 | Category on task and cost and revenue line differ for new task | The project category on a cost and revenue line is synchronized with the category from the task when creating or editing a Visual Planning task |
| AXVP73116-02 | Dragging a task from one worker to another worker results in wrong allocation | We fixed an issue where the assignment of a task to a worker under specific circumstances resulted in a full load of 24 hours on the first day instead of spreading the load over multiple days. |
| AXVP73116-03 | Multi select task planning shows only one project after single edit | In case the task planning form is opened for multiple selected projects where only one of those projects planning is in draft then after editing that draft project the task planning form shows only that single project. This issue is now fixed. |
| AXVP73116-04 | Intercompany projects not visible in task planning | Intercompany projects should be visible when set in the preferences. |
| AXVP73116-05 | Ordering of 365 task planning | The ordering of projects in the task planning overview should be based on number sequences, to better match the all projects screen. |

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| AXVP72213-01 | Object reference not set to an instance of an object error on task deletion | We fixed an issue that caused an "Object reference not set to an instance of an object" error in task planning when deleting a task. |
| AXVP72213-02 | Closed or reopened tasks are removed in Task planning | If you open task planning showing all tasks, closing or reopening a task would lead to the task disappearing from the task planning. This is not correct since the option "Show all tasks" was set. We fixed the issue. |
| AXVP72213-03 | Resource planning shows wrong unassigned tasks on role | We fixed an issue that caused the wrong assigned tasks to be shown in the resource planning when assigning roles to tasks. |
| AXVP72213-04 | Linked tasks to other projects not visible in draft | Now all links between all combinations of draft and published projects are successfully shown in task planning. |
| AXVP72213-05 | Retrieve version doesn't work | There was a bug in the retrieve version function of the task planning. Now the correct version is retrieved. |
| AXVP72112-01 | Refresh after firming planned production order not correct | Task planning is refreshed correctly after firming |
| AXVP72112-02 | Project quote activities cannot be hard linked | It was not possible to select a hard link option when trying to link two tasks via the Link button in the menu in project quote. |
| AXVP72112-03 | Error when clicking auto generate team button | We fixed an issue that caused an error when clicking the "Auto generate team" button on resource planning. |
| AXVP72112-04 | Error for roles that have workers with different calendars in capacity overview | When opening the capacity overview for a project that contains tasks assigned to a role that contains workers with different calendars, an error was thrown. This has been fixed now. |
| AXVP72112-05 | Edit activity - layout item tracking tab | The layout of the item tracking tab in the 'Edit activity' form has been redesigned. The 'Item Details' and 'Errors' tab pages are |

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| | | displayed below the grid with item tracking records. |
| AXVP7219-01 | Model descriptor id change | The solution model had a conflicting id with one of the other solutions. We solved this issue. |

3.2.18 Fixes for release Advanced Project Planning 7.2.0.8 for Dynamics 365 for Finance and Operations, Enterprise Edition, July 2017 update

| ID | Title | Title |
|--------------|---|---|
| AXVP73116-01 | Category on task and cost and revenue line differ for new task | The project category on a cost and revenue line is synchronized with the category from the task when creating or editing a Visual Planning task |
| AXVP73116-02 | Dragging a task from one worker to another worker results in wrong allocation | We fixed an issue where the assignment of a task to a worker under specific circumstances resulted in a full load of 24 hours on the first day instead of spreading the load over multiple days. |
| AXVP73116-03 | Multi select task planning shows only one project after single edit | In case the task planning form is opened for multiple selected projects where only one of those projects planning is in draft then after editing that draft project the task planning form shows only that single project. This issue is now fixed. |
| AXVP73116-04 | Intercompany projects not visible in task planning | Intercompany projects should be visible when set in the preferences. |
| AXVP72213-01 | Object reference not set to an instance of an object error on task deletion | We fixed an issue that caused an "Object reference not set to an instance of an object" error in task planning when deleting a task. |
| AXVP72213-02 | Closed or reopened tasks are removed in Task planning | If you open task planning showing all tasks, closing or reopening a task would lead to the task disappearing from the task planning. This is not correct since |

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| | | the option "Show all tasks" was set. We fixed the issue. |
| AXVP72213-03 | Resource planning shows wrong unassigned tasks on role | We fixed an issue that caused the wrong assigned tasks to be shown in the resource planning when assigning roles to tasks. |
| AXVP72213-04 | Linked tasks to other projects not visible in draft | Now all links between all combinations of draft and published projects are successfully shown in task planning. |
| AXVP72213-05 | Retrieve version doesn't work | There was a bug in the retrieve version function of the task planning. Now the correct version is retrieved. |
| AXVP72112-01 | Refresh after firming planned production order not correct | Task planning is refreshed correctly after firming |
| AXVP72112-02 | Project quote activities cannot be hard linked | It was not possible to select a hard link option when trying to link two tasks via the Link button in the menu in project quote. |
| AXVP72112-03 | Error when clicking auto generate team button | We fixed an issue that caused an error when clicking the "Auto generate team" button on resource planning. |
| AXVP72112-04 | Error for roles that have workers with different calendars in capacity overview | When opening the capacity overview for a project that contains tasks assigned to a role that contains workers with different calendars, an error was thrown. This has been fixed now. |
| AXVP72112-05 | Edit activity - layout item tracking tab | The layout of the item tracking tab in the 'Edit activity' form has been redesigned. The 'Item Details' and 'Errors' tab pages are displayed below the grid with item tracking records. |
| AXVP7219-01 | Model descriptor id change | The solution model had a conflicting id with one of the other solutions. We solved this issue. |
| AXVP7208-01 | Functional lockup when trying to change cost & revenue lines when resources are assigned | Cost & Revenue lines in the fact box require a role. When this is not specified and the line is opened for editing this results in an error. It is not always possible |

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| | | to select a role, resulting in an unfixable error. The fact box cannot be cancelled in that case. |
| AXVP7208-02 | "Book from Calendar" button generates error | Clicking the "Book from Calendar" button in the "Add resource" fact box of the resource planning was generating an error. This has been fixed. |
| AXVP7208-03 | Name of parent task in nested tasks cannot be edited via Visual Planning | In the task planning of a WBS with hierarchical tasks it is impossible to edit the name of a parent task. |
| AXVP7208-04 | Moving tasks in VP does not update the project dates in the quotation header | When tasks are planned outside of the expected start and end date of the project quotation via the task planning of VP the expected start and end dates of the quotation header were not updated. |
| AXVP7208-05 | Adding equipment via drag and drop shows wrong duration | We fixed the bug that caused an incorrect duration on a task when using drag and drop of equipment in resource planning. |
| AXVP7208-06 | Resource planning drag and drop improvements | Fixed some minor issues with drag and drop, and updating information |
| AXVP7208-07 | Opening resource planning from capacity overview does not set the right dates | When opening the resource planning from a selected capacity overview cell, the date-period of the selected cell should be part the period for which the resource planning is opened. |
| AXVP7117-01 | Invalid links when changing operation scheduled to job scheduled | When rescheduling a production order from the task planning and changing scheduling method from operation scheduled to job scheduled, invalid links were displayed in the task planning. Closing and opening the task planning was needed to display the links correctly. This has been solved. |
| AXVP7117-02 | Computed column fields in views are not extended correctly | In some views in Visual Planning the computed column fields |

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| | | where defined with a fixed length and not with an extended data type. This could result in issues when extending the length of the extended data types of the originating fields. The views have been adjusted so view fields are based on an extended data type |
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3.2.19 Fixes for release Advanced Project Planning 7.0.1.6 for Dynamics 365 Operations update 3

| ID | Title | Title |
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| AXADM-138 | Uptake Visual Resource scheduling | See new features section |
| AXADM-139 | Baseline planning with versioning | See new features section |
| AXVP-U3-1 | Closing / reopening tasks | <p>When the task planning is opened with the option 'Show tasks' to 'Active', when closing a task, the task is no longer visible in the task planning. In that situation the 'Reopen' button in the toolbar was still enabled and responded on the task that was closed.</p> <p>This behaviour is changed. The task is no longer visible and buttons are all disabled, as there is no selected record anymore.</p> |
| AXVP-U3-2 | Item estimates are removed by Visual planning | <p>In the WBS for a project cost and revenue lines of different types (Hour, Fee, Expense and Item) can be defined for a task. In the Visual Planning task planning, in the Edit Activity form only cost and revenue lines of the type 'Hour' can be maintained. When closing the Edit Activity form the cost and revenue lines are updated. All lines that are not of type 'Hour' are removed during this action.</p> <p>This has been fixed. Only cost and revenue lines of type 'Hour' are updated when closing the Edit Activity form.</p> |
| AXVP-U3-3 | Completed percentage, actual work and close task | <p>These fields on the task edit form are now only editable for a published project WBS or quotation.</p> <p>Also when changing percentage completed or task effort the correct</p> |

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| | | hours completed and estimated are displayed. |
| AXVP-U3-4 | Posted hours editable and incorrect value | On the task edit form the field posted hours is now not editable anymore and value displayed is fixed. |
| AXVP-U3-5 | Task planning shows data not related to quotation | When the task planning is opened directly from the Project Management and Accounting menu and in the filter the option Quotations is active, data not related to quotations could be displayed in the task planning. It is now validated that data actually belongs to a quotation when collecting the data to be displayed in the task planning. |
| AXVP-U3-6 | Task planning shows wrong WBS when opened from quotation that is transferred to project | When opening the task planning from a project quotation that is transferred to a project, the WBS for the project is opened instead of the WBS for the quotation. This has been fixed so the correct WBS is displayed in the task planning. |
| AXVP-U3-7 | Labels for editing task and editing planning are confusing | In the task planning form there is a button group 'Maintain' for maintaining tasks and a button group 'Planning' for maintaining the planning (draft / publish) in the ribbon of the task planning form. In both groups there is a 'Edit' button which could lead to confusion regarding the function of the button. The labels on the buttons have been changed so it is clear what each button does. |
| AXVP-U3-8 | Zoom in / zoom out in Gantt chart freezes when max is reached | In the task planning when zooming out, the form locks when the most global zoom level was reached and the user clicks the 'Zoom out' button once again. When zooming in to a very detailed level, the control responds very slow, especially when a large time frame is displayed in the control, due to the number of periods that has to be rendered in that situations. |

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| | | <p>These issues have been fixed. The maximum level for zooming in is restricted based on the time frame that is displayed in the control. The shorter the time frame, the more detailed the maximum zoom level for zooming in in the control. The following maximum zoom level detail is available for:</p> <ul style="list-style-type: none"> - Less than 10 days is 5 minutes - Less than 100 days is 2 hours - Less than 380 days is 6 hours <p>All others is 1 day</p> |
| AXVP-U3-9 | Calendar Field is not displayed on task | When opening the 'Edit activity' form for a task from the task planning, the calendar field in the 'Edit activity' form was empty. This has been changed, so the scheduling calendar from the quotation or project is displayed. |
| AXVP-U3-10 | Label field is missing | When running the function 'Check item availability' for a project, an info message was given were the correct label was missing, this label has been added. |
| AXVP-U3-11 | Enabling / disabling buttons for defining colors in parameters | The buttons for adding color definitions for projects and production were always enabled. This has been adjusted so only relevant buttons are enabled |
| AXVP-U3-12 | Check item availability results in an error when no task has been selected. | A bug has been resolved which caused an error message when using the "check item availability" function on a task planning when no task was selected. |
| AXVP-U3-13 | Tasks can be reordered in the tree on the task planning screen | <p>We fixed an issue that enabled the user to reorder the tasks in the WBS in the task planning screen.</p> <p>VP production menu items missing when not having imported a license for VP for projects</p> <p>We solved an issue where a user didn't see the correct VP for Production menu items if there</p> |

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| | | wasn't a license for VP for Projects loaded. |
| AXVP-U3-14 | Hyperlink on resource not working | The issue that the hyperlink on resource in the resource fact box of the task planning resulted in an error has been fixed |
| AXVP-U3-15 | A work cell can be selected as resource group when adding equipment | It was possible to select work cells when adding equipment in the resource assignments for a task. This is no longer possible. |
| AXVP-U3-16 | Role can be edited in the task edit form | Like in the project WBS form, when in draft mode, the role can now be defined / changed on a task. |
| AXVP-U3-17 | Dates displayed in the task planning are not consistent / correct | Dates displayed on the grid, tooltip and fact box are not consistent / correct. |
| AXVP-U3-18 | Assign a non-hr resource to a milestone should not be possible | It was possible to assign a non-HR resource to a milestone. |
| AXVP-U3-19 | Redirecting a link does not work | Redirecting a link in the 'Edit activity' form did not work. To solve this redirecting links directly is no longer possible. To redirect a link, remove the original link between activities and create a new link. |
| AXVP-U3-20 | Closed tasks can be moved in the draft version of a wbs | It was possible to move a closed task in the draft version of a WBS. This is no longer possible. Also indenting / out denting closed tasks is no longer possible |
| AXVP-U3-21 | Show project in task planning has option intercompany | When opening the task planning from the menu, there are several selections available for the data to show. For projects, also the option 'Intercompany' was available. It is however in this version not yet possible to show intercompany projects in the task planning. This option has been removed. |

3.2.20 Fixes for release Advanced Project Planning 7.0.1.5 for Dynamics 365 Operations update 2

No fixes for this release.

4. Known Issues

- Initialise : Calendar does not exist
In some cases, the message is thrown while launching the resource planning form in projects
- WBS in Task planning needs refresh:
Due to WBS changes the Task Planning needs refresh when perform an indent, outdent or delete. This is because the internal WBS data changes but is not fully updated in the Task Planning. Refresh needs to be done manually, if not tasks can be displayed on the wrong location.
- Open task or resource planning in new window shows an empty Gantt
Opening the Task planning in a new windows can show an empty Gantt. This happens for example when moving a task and then open the Task planning in a new window.
Workarround is press refresh after the Task planning is opened in the new window and the Gantt displays the correct data again.
- Visualization of percentage completed:
When a task is 100% complete, the visualization (bar indicating the percentage) in the task planning stops when the calendar time ends and not at the end of the task.
- Visualization of tasks in resource planning:
In some cases it can happen that the visualization of tasks in the resource planning is not correct because of breaks in working time of the calendar of the resource. Also the tooltip shows the incorrect information.