



# **Factory Scheduling Solution**

## **Release Notes**

**2024.2 GA March**

# Release Notes

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# 1 *What's New?*

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This section comprehensively documents and details all of the new features and improvements that have been added in this release.

The GA of March consists of an all-encompassing bundle with a primary focus on security, which also includes updates to third-party security patches.

It is important to note that it will be MANDATORY to update the Web Scheduling Solution 2024 with this General Available release before installing any future patches.

In a fresh installation, you can start directly from this General Available version.

With this update, we cannot guarantee that any project customizations will continue to function if they are directly linked to third-parties. If you have any doubts or need further information, please refer to our Customer Service.

With this update, the Sage\_X3\_Interface service is no longer supported. This service will be stopped, and the Sage X3 Interface GraphQL service will be enabled.

## System Requirements

### [Update Angular, .NET Framework and third-party libraries](#)

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Updating client and server third-party libraries for fixing bugs, performance issues, and security vulnerabilities.

### [Microsoft SQL Server 2022 support](#)

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Adding support for SQL Server 2022.

SQL Server 2022 includes many new Database Engine features, enhancements, and performance improvements.

## 1.1 MOM

### 1.1.1 Factory Scheduling

#### Concurrent simulation Save to Master

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Adding the possibility to save a simulation to master in a concurrent environment where several users are working at the same time on different resources.

#### Resources Loads widget

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Brand new widget to analyze the Resource loads directly in the Factory Scheduling page, without the need to navigate to Analytics dashboard page.

#### #41061: Drag-and-Drop inside Resource Gantt grid

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It is now possible to drag and drop productions in the Grid portion of the Resource Gantt to change the sequence in production, thus improving the usability of the widget.

#### Gantt charts: Configurability of color for downtime

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Implemented a different background color to distinguish different types of machine idle interval.

#### #47812: Initial stock report

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The "STATUS" field of the stock table is now displayed.

#### #48814: Blocked summaries in heuristic configuration's sequences

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Adding blocked summaries in sequences in heuristic configuration. It is used in case of priority management with overrides and for machines with a locked production plan. If the priority management is 0, the system can modify the order of the productions.

#### New OData KPIs

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Added two new KPIs to some OData interfaces (`KpiOrderChildDepositDate` and `TotalWorkingTime`) used for calculating last material date and total working time.

## 1.2 Foundation

### 1.2.1 ACM

#### [Synchronizing users and groups from Azure AD](#)

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Providing a new standard plugin to enable automatic provisioning of users and groups between Access Control Manager (ACM) and Azure Active Directory (Azure AD). This brand new plugin based on Microsoft Graph is a RESTful web APIs and uses OAuth 2.0 client credentials flow to authenticate against Azure AD Identity Provider.

## 1.2.2 Base Services

### 1.2.2.1 Bricks

#### [Personalized editor for Custom Widgets](#)

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Introducing a personalized editor which replaces the standard key/value editor provided by Bricks, that comes bundled with the Custom Widget for a more tailored configuration experience.

#### [HTML Clip widget's editor improvements](#)

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Adding a button that automatically generates the structure of the default controller in the HTML Clip widget's editor.

#### [Custom widget type](#)

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Introducing the custom widget type to make a custom product's widget configurable from the data model and settings point of view.

### 1.2.2.2 Notification Engine

#### [Force polling on File Connector](#)

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It is now possible to force the File Connector to be polling for new files instead of waiting for Windows events. This is useful in case of files located in a shared folder where, occasionally, there might be access problems.

#### [#48084: sedApta File Connector - FTP on Linux](#)

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Managing connection with FTP deployed on Linux file system.



## 1.2.3 Core

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### [Wiring Configuration - New Pivot cell selection event](#)

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Introducing a new type of cell section in Pivot that, instead of returning all the children of the selected cell, gives as output the coordinates of the selected cell.

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### [#216841: Deactivate wiring on demand](#)

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Introducing a toggle button in all widgets' toolbar to temporary disable outgoing wirings.

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### [Keep Pivot filters after a full-page refresh](#)

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Pivot filters are bound to the User Session, so they are maintained even after a full-page refresh. These temporary filters are removed after the user logs out or closes the browser.

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### [#47654: Reset Filters](#)

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It is now possible to reset all filters applied to a widget and restore the original situation.

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### [Supporting geographical coordinates in Dynamic Form widget](#)

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A new input type is added to the Dynamic Form widget to easily set geographical coordinates by using a map.

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### [Adding read-only mode to Dynamic Form widget](#)

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Introducing a "view" mode in dynamic forms, that shows data with the same appearance of a dynamic viewer.

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### [New Label widget](#)

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Introducing a new Label widget integrated with Bricks datasource to create title or paragraph widget.

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### [New Image widget](#)

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Introducing a new Image widget integrated with Bricks datasource.

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### [Configuring Gantt colors](#)

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Allow the configuration of Gantt entities colors in Bricks.

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### [Control Tower enhancements](#)

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Full Control Tower support in any Layout Manager: all functionality provided in Bricks' Control Tower is now also available in the Layout Manager interface of every individual sedApta Suite application.

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#### [#47745: 3D Visualizr enhancements](#)

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Configure labels in the model so that they are always displayed by default, without requiring a mouse hover.

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#### [Layout Manager tabs mobile improvements](#)

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Improving the usability of the Layout Manager tabs when open on mobile devices.

## 2 Bug Fixes

This list covers all the bug fixing done since the previous release until GA of March regardless of if they are relevant to Sage Web Scheduling.

The sorting within each chapter is in descending order, meaning from the latest released patch to the official version.

The first column indicates the patch number (version 11.24.3.0 is the officially released version), the second column indicates the AskMe number (if present), and the third is the bug description.

### 2.1 Installer

Patch number	AskMe ID	Description
11.24.3.5		Implementation: Security enhancement.
11.24.3.4		Implementation: Security enhancement.
11.24.3.3		Implementation: Security enhancement.
11.24.3.2		Implementation: Security enhancement.
11.24.3.1		Missing Skip/Ignore Create Shortcut.
		ODI Packages cannot be installed.

## 2.2 MOM

### 2.2.1 Factory Scheduling

Patch number	AskMe ID	Description
11.24.3.38	#89682	Fishing Pond: the columns working_time e setup_time display the value DD:HH:mm:ss instead of their actual value.
	#90551	Database: enhance the performance of function Get_S_M_DELIVERY
		Heuristic parameter "Generalized wait time [h]" is not enabled when the parameter "Wait Time" is set to value "1- Generalized time".
		Implementation: enhance the performance of SED initialization when Kpi Calculation is enabled.
11.24.3.37	#81873	Commit: a warning message is displayed for "parallel machines value out of range for some orders".
	#86860	Resource Gantt: an error occurs when cutting/pasting a production.
	#86861	Resource Gantt: the filters on "Warning" columns (in the grid part of the widget) do not work and do not display any label  NOTE: the filters are disabled by default, and we suggest not to enable them, because the gantt is not filtered accordingly, causing

Patch number	AskMe ID	Description
		the gantt to be out of sync with the grid part.  However, given this limitation, we fixed the filtering behavior.
	#87239	Resource Gantt: the order of columns is not respected if any column is pinned.
	#87332	Fishing Pond: the filters do not work if a saved filter is selected and the excel-like filter is enabled.
	#89176	SED Tracking: the widget is slow and blocks the execution of the page.
	#89921	Heuristic:  - "Critical time generalized [h]" is not enabled/disabled in real time when changing the value of "Critical Time"  - "Frozen period end date" is not enabled/disabled in real time when changing the switch "Enable frozen period".
11.24.3.36	#85671	Fishing Pond - Resource Gantt: add column KpiOrderFirstPickingDate (date and time of the first picking action for each order).
11.24.3.35	#85390	Resource Gantt: an error occurs when many productions are forced  NOTE: the grid component of the Resource Gantt now supports the POST method.  In Company Chart, the datasource file (Presentation\DataSources\

Patch number	AskMe ID	Description
		1009.json) of Resource Gantt is updated to use the POST method.  Any customized widget in Company Chart must be updated manually to use the POST method in order to patch this bug.
		Implementation: Security enhancement.
11.24.3.34	#83683	The login is slow.
		Implementation: Security enhancement. When Saving and Committing, the notification to Notification Engine fails
11.24.3.33	#84903	Production Gantt: impossible to move productions on resources with Matching Constraints.
	#85604	Activity Details popup crashes if ForceProductionAttribute is false or forcings are applied to the production selected.
11.24.3.32		After drag&drop on Production Gantt, sometimes the decoration rules and the Team Trend and the Tool Trend do not update automatically.
		The JSON files in localization folder are missing for languages different than Italian and English.
		Re-initialize the SED algorithm when changing the heuristic parameters.

Patch number	AskMe ID	Description
11.24.3.31	#78183	Interactive mode: SED keeps the quantity forced by users on next running.
	#79896	Interactive mode: Production Gantt keeps the quantity forced by users when moving a production.
11.24.3.30	#78042	Fishing Pond/Resource Gantt: field "Last material availability" available.
11.24.3.29	#81892	Activity Gantt: "Phantom" blocks (empty blocks with red borders) appear.
		Implementation: Security enhancement.
11.24.3.28	#78147	Grids: an error occurs when sorting columns with calculated fields.
	#80106	Focus from Production Gantt to Fishing Pond does not work if Fishing Pond has page size > 15.
11.24.3.27	#78230	Table S_P_ORDER_STOCK_REL is empty when saving a plan.
11.24.3.26	#79074	Focus Gantt Resource does not work.
	#79154	Decoration rules do not working on Resource Gantt.
11.24.3.25	#70132	Wiring from Resource Grid and Explosion Analysis on Resource does not work.
	#71002	Explosion analysis missing values.
	#73426	Explosion analysis missing values.

Patch number	AskMe ID	Description
	#74638	Error loading Carichi.dll.
	#75764	After Total import, when running scheduling, it is giving error and operations are not scheduled.
	#77260	Subject IBE: new resources are not seen in SIOP.
		Implementation: added wiring from Fishing Pond to Resource Grid on Resource.
11.24.3.24	#77058 - #77068	Fishing Pond is empty.
	#77067 - #77070	Focus is loss in Resource Gantt.
11.24.3.23		Implementation: Security enhancement.
11.24.3.22	#76169	Regression on calendar downtime.
		Wiring between Resource Navigator and Resource Gantt does not work.
11.24.3.21	#68244	Error when locking resources.
	#71895	Wrong values in material trend.
	#74141	Performance issue on loading Scheduler Productions for center machines.
	#75936	Drop down material in add production popup.
11.24.3.20	#74650	It is not possible to move a phase in Activity Manager.



Patch number	AskMe ID	Description
11.24.3.18		Implementation: Partial Resource Lock Handling with Enhanced Material Visibility in Factory Scheduler.
	#65032	Drag and drop from fishing pond does not trigger a Gantt plugin update.
	#67611	Inventory Trend - always populated when opened.
	#71575	Grid filter for date columns does not work.
	#73832	Problems using the form for creating MTS orders.
11.24.3.16	#73757	Wrong behavior on EXPAND / Editing from activity details in Layer environments.
		Implementation: Security enhancement.
	#70945	OrderState field missing.
	#70677	Missing shift on scheduler and Inventory Trend.
	#70688	Problem in Tool Trend color: Tool trend becomes white with a filter.
11.24.3.14	#71157	Order Gantt does not retrieve fields Livello_6, Livello_7, Livello_8, Livello_9.
	#60130	Error filtering the order code present in the Orders Gantt
	#63647	Error during export from Gantt OPV in INTERACTIVE MODE.

Patch number	AskMe ID	Description
	#58481	Orders closed after the scheduling start date are not scheduled.
	#64359	Problems with sequence forcing on the resource Grid.
	#62645	After moving an WO to a resource not in cycle, the save does not create the relation for related orders.  NOTE: added save of related orders also if parent order are in cycle but combined ones are not.
	#71354	Fishing pond filters are not working.  NOTE: still remain a problem on Oracle on selecting a row on Fishing Pond clicking a production on Production Gantt.
		Implementation: Security enhancement.
11.24.3.13	#64376	Fishing pond empty after changing production on the production gantt.
	#70872	Fishing pond empty after changing production on the production gantt.
	#70399	Fishing pond empty after changing production on the production gantt.
	#69297	Error in canceling a production.
	#70267	Adding a filter to a pivot is not maintained after the change context.

Patch number	AskMe ID	Description
	#70429	Anomalous behavior when viewing data relating to the material within the "activity detail" of the scheduler.
	#70481	Fix Expand operation error.
	#65898	Trying to declare a downtime from ResourceGantt the form does not allow user to click ok button
	#66143	Time error when creating an MTS order on the scheduler.
	#66195	Time error when creating an MTS order on the scheduler.
	#66202	Selecting an order in the production gantt generates a movement of the fishing pond.
	#67085	Error applying a filter on Fishing Pond.
	#65124	Fix Edit form problem when splitting an order.
		Implement Fishing Pond Optimization.
11.24.3.12		Implementation: New prerequisites in CNF_11_24_3_3.
	#69766	"Select From Activity event clears Production Gantt Chart.
11.24.3.11	#64369	Adding calculated field in pivot table does not work.
	#68657	Pivot table does not load with a saved filter

Patch number	AskMe ID	Description
11.24.3.10	#67538	problem in adjusting Row height in grids.
	#64663	Error moving order fixed by date if moved to another resource.
	#64598	Error popup after unlock without orders blocked by user.
	#64322	Scheduler error during the split by duration phase of a Work Order scheduled on the Project Production Gantt.
	#64184	FactoryCalendar closing days not displayed in the scheduler.
	#63832	Error on unlock.
	#62519	Error on finished phases scheduled.
	#62166	Factory Scheduler showing w/o is partially scheduled, even though w/o qty and scheduled qty is the same.  NOTE: Use the parameter MissingMaterialTolerance, in the configuration service file's, to set the tolerance used to calculate the partially or over scheduled status.
	#62040	Export to Excel from explosion widget.
	#61866	Missing Phases in the Factory Scheduling.
	#61725	Fishing pond with grouping - lost focus if user select an order on Production Gantt.

Patch number	AskMe ID	Description
	#58481	Orders closed after scheduling start date are not schedulable.  NOTE: Update the value of parameter 'LoadOnlySchedulableOrders' in table S_APP_GLOBAL_SETTINGS from 'false' to 'true'.
	#58152	Performance improvements in loading closed phases.
11.24.3.9	#69033	Error in calculation of Setup Time.
11.24.3.8	#60767	Production Gantt can not change icons color.
	#67670	Inventory Trend - Expand ALL does not work.
	#68073	Improve performance in scheduled production bucket odata.
	#67287	Error in opening Building page.
11.24.3.7	#67261	Add new production - missing material changing Start Date.
	#66193	Plugins won't open if put on tab that is not the first.
11.24.3.6	#64378	Pivot display is incorrectly.
	#64638	Wiring does not work between Production Gantt and Fishing Pond.
	#58566	It is not possible to delete CUST_DATE value even if the field is nullable.

Patch number	AskMe ID	Description
	#67049	Some datasource fields are not displayed or are displayed with the wrong type.
	#59023	CUST_VAL fields configured as checkboxes generate an error when creating/modifying a production
		Memory leak in Angular client.
11.24.3.5	#65170	Production Bucket Grid - filters do not work properly.
	#64370	Error after deleting a production in Production Gantt.
	#66747	Incorrect behavior of the wiring between grid widget and Production Gantt.
	#64375	Activity details: one of the opening widgets does not always load correctly.
	#64378	Error opening pivot: sometimes they open cut in half
11.24.3.4	#64553	Error adding the parent production automatically.
11.24.3.3	#64370	System freeze change production in layers.
	#64373	problem in visualizing Red line on Gantt after some changes on productions.
	#65169	Error opening Resource Gantt.
	#65170	Filters does not work with paginated tree list.

Patch number	AskMe ID	Description
11.24.3.2	#64366	Drag & Drop from fishing pond: with automatic parent creation, the created phase is not MTO.
	#64372	Layer - 'child' production is created with the wrong number of parallel machines.
11.24.3.1	#62289	New Custom Algorithm interface.
	#64368	Activity Details: value of parallel machines may exceed the maximum allowed.
	#64371	Drag & Drop from inventory trend does not work if there is no space for the parent.
11.24.3.0	#39674	Order Position Custom Attribute is not considered.
	#40883	Sporadic issues upon loading the GUI of the Production Gantt and Resource Gantt.
	#41538	Low performance on ScheduledProductionBucket OData.
	#45904	In the "Activity details" window, date custom fields show "1970" instead of an empty value.
	#48677	MRP creates unnecessary purchase requests.
	#48783	In the "Activity details" window, the current sub-phase number is not correctly shown.
	#48804	Sorting in the "Fishing Pond" interface resets the horizontal scroll position.

Patch number	AskMe ID	Description
	#49732	Upon adding a new activity, if the "Set start automatically" option is disabled, the new production moves the current one.
	#49942	When moving the scheduled production from a resource to another, the PSN/cycle loses the selection.
	#50188	Problems on custom interface without the Production Gantt shown in page.
	#51294	An error occurs during the commit of the production plan in automatic mode.
	#51423	Error raises when postedQuantity is null.
	#51812	During save and commit actions the loading animation is not shown.
	#52571	The S_P_PRODUCTION_VERSION table is missing.
	#52715	If an over-scheduled production has a downtime machine, the production will be wrong resized.
	#52999	The "paste" button in the Resource Gantt is disabled.
	#53298	"Copy" and "paste" buttons have a wrong behavior.
	#54011	The Resource Gantt is empty if upon opening it is closed.



Patch number	AskMe ID	Description
	#57037	Activity Details - Error setting working time changing quantity.
	#57287	Split production does not keep sub-phase number.
	#59201	Add production - "Maximize" in layer environment does not consider parent duration.
		[Key To Make] Error in grid rules when trying to save on a Oracle database.
		[Key To Make] Wrong items shown in drop-down list in grid rules.

## 2.3 Foundation

### 2.3.1 ACM

Patch number	AskMe ID	Description
11.24.3.14		Implementation: Security enhancement.
11.24.3.12		Implementation: Security enhancement.
11.24.3.11	#73172	Role retrieval fails due to a case-sensitive search for the service account.
11.24.3.10		Implementation: Security enhancement.
11.24.3.9	#71883	Implementation: Introduced support for OAuth 2.0 authorization requests from

Patch number	AskMe ID	Description
		sedApta GO using external user-agents.
11.24.3.8	#74050 - #73603	When API CreateServiceAccount is invoked with a list of roles, previously manually assigned roles are removed.
11.24.3.7		Implementation: Security enhancement.
11.24.3.6	#71522	User roles will not be imported from Azure AD to ACM if the user is a member of more than 20 groups.
		Implementation: ACM supports OAuth 2.0 authorization requests from sedApta GO using external user-agents.
11.24.3.5		Authentication problem with urs_account different from AD username.
11.24.3.4		Implementation: New prerequisites in CNF_11_24_3_3.
		ACM Windows Service does not work.
11.24.3.2		<p>idsrv.session Cookie is not HTTP ONLY.</p> <p>Note: Added the ForceHttpOnlyCookies setting that, when enabled, secures all application cookies by making them inaccessible to client-side scripts, strengthening defense against XSS attacks.</p> <p>Please note that this option cannot be turn on if Shop Floor Monitor is in use.</p>

Patch number	AskMe ID	Description
11.24.3.1	#65947	Errors while connecting to Active Directory due to log messages formatting.
		Updated jQuery UI: Upgraded to the latest stable version for improved performance and security.
		Updated Azure.Identity: Upgraded to the latest stable version for improved performance and security.
		Removed AngularJS: Due to its end-of-life status, AngularJS has been removed for enhanced security.
11.24.3.0	#40603	Import users from AD issues.
	#60794	With SAML2 login enabled, the temporary password function does not work.
		The "Lock user" function does not work.
		Default profile image is not accessible if IWA is enabled.
		WebManager does not work if deployed behind a reverse proxy.

## 2.3.2 Base Services

### 2.3.2.1 Bricks

Patch number	AskMe ID	Description
11.24.3.34		Implementation: Security enhancement.

Patch number	AskMe ID	Description
11.24.3.33	#51562	Flex Pivot Widget loses aggregation row if only one Value is configured.
	#83909	Global search do not show all records.
	#84193	Widget grid with disabled pagination throws error if RecordsToShow is not configured.
	#85145	Checked rows are maintained after filter in grid with virtual scrolling
11.24.3.32	#77221	Default value of a boolean filter is not saved in a dashboard.
	#79304	Excel filter value "map" is translated.
	#82691	Last preset filter is not visible.
	#83897	Sorting the saved filters on Bricks resets the column order.
	#83975	The selected filter is not highlighted.
11.24.3.31	#77914	Sum of pivot calculated fields disappears after page refresh.
	#79763	Custom Grand Total Caption disappears after page refresh.
	#83062	Export to excel from spreadsheet widget does not work.
11.24.3.30	#84250	Kick out page appears if the Andon Manager is opened in fullscreen mode.

Patch number	AskMe ID	Description
11.24.3.29	#74793	Filter Dropdown in Entity Form by Datetime does not work.
	#77220	Custom action cannot be hidden in context menu.
	#83430	Columns disappear when the user opens a grid from Company Chart or other product.
11.24.3.28		Implementation: Security enhancement.
11.24.3.27	#76351	Problem visualizing empty pivots.
	#77918	ricks export all does not work in Control Tower.
	#81428	Grid are not correctly visualized without deleting usergraphsettings.
11.24.3.26	#75832	Export grid does not keep sorting as configured in dashboard.
	#76285	Error with master/slave dropdown field with value 0.
	#78303	Excel-like filter does not work with select All.
11.24.3.25	#79398	It is not possible to open grid on product after changing settings on Bricks.  NOTE: To "sanitize" the widget, open the widget in Bricks using the functionality "Open graph from Company Chart" and publish it again.
11.24.3.24	#69710	Missing translations in filters on mobile mode.

Patch number	AskMe ID	Description
	#76480	Error in bulk insert when entity misses some columns in query.
	#75534 - #77655	It is not possible to start a new line in edit query in datasources and HTML Clip widget.
11.24.3.23	#69327	Implementation: Added column virtualization support for grid.
		Implementation: Security enhancement.
		Implementation: Added support Control Tower tile with image.
11.24.3.22	#50796	Edit form has the X icon for "RESET THE VALUE" although it is disabled.
	#73605	Wiring with a barline with autogenerate series as master does not work.
	#73842	Widget with autogenerate series displays data wrongly.
11.24.3.21	#72771	Select All in the excel-like filter does not work.
11.24.3.20	#73917	Import bulk with custom columns does not work.
11.24.3.19	#72378	Total footer does not work when virtual scrolling is enabled.
		Implementation: Security enhancement.
11.24.3.18	#71096	ACM Idle Timeout does not work.

Patch number	AskMe ID	Description
11.24.3.17	#69710	Filters disappear in mobile mode on BRICKS.
	#70212	Missing pivot server side support in Bricks.
11.24.3.16	#62013	Problem with sum and autogenerate series.
	#67869	Pivot calculation caption is not displayed after re-entering pivot.
	#69073	Cannot download custom library if configuration file is from 2023.
	#69656	Alternating row color in grid overrides decoration rules.
	#71106	Excel filters do not work in Scenarios with default filters.
		Implementation: New prerequisites in CNF_11_24_3_3.
11.24.3.15		Implementation: Security enhancement.
11.24.3.14	#70233	Custom Action Enabled for Roles doesn't work for Functional Roles.
11.24.3.13	#65656	Error with grid Bricks on 2024 Angular library.
	#68535 - #49544	Cannot update row if key of row or value contains apex.
		Cannot disable doubleClick in inline edit.
11.24.3.12	#49642	Export to PDF does not work in Flexmonster Pivot.

Patch number	AskMe ID	Description
	#68948	Duplicate on Bricks with Oracle DB.
11.24.3.11	#68637	Role brk_admin is mandatory for Bricks Andon Launcher.  Note: The role brk_usr is now enough for displaying an Andon.
11.24.3.10	#66293- #66509	Problem of duplicated key with import bulk on oracle db.
	#64382	Release of unnecessary memory. To enable the Memory collection post data requests set the "CollectMemory" flag to true in the appsettings.json (Default is false)  If necessary adjust the "MemoryThresholdMB" at your desired amount depending on the machine memory and customer needs (Default is 7GB)
	#68526 - #68615 - #68616	The form inside the editing popup opens empty in a grid in Control Tower.
11.24.3.8	#65015	Problem in Gantt with zero value.
11.24.3.7	#66127	HTML Clip Widget Malfunction after upgrading to 2024.
		Memory leak in the Angular client due to an incomplete cleanup of widgets and objects in the layout manager.
		Implementation: Configurable "Row height" for widget Grid  NOTE: Introduced a new property "Row height" allowing users to define the



Patch number	AskMe ID	Description
		<p>row height in pixels, enhancing layout customization of Grid, TreeGrid and BucketGrid widgets. Moreover the "Records to show" property has been renamed to "Page size" to address the following behaviors:</p> <ul style="list-style-type: none"> <li>• with paging enabled (enable paging flag), specifies the number of rows per page;</li> <li>• With paging disabled and virtual scrolling enabled, determines the number of rows in the "virtual page" to be rendered. The recommended practice is to set this value slightly higher than the number of rows displayed on the screen to smooth scrolling.</li> <li>• with virtual scrolling disabled, becomes inactive as it is not applicable.</li> </ul>
11.24.3.6	#66686	Cascade Filters in dashboard do not work.
	#66747	Problem in wiring between Grid Production and Gantt with "Select activity from ID" event.
	#67163	Some dashboards are missing.
	#67184	Reset Filters in grid-type widgets is not working.
11.24.3.5	#64239	After committing the changes, the focus will change.
	#65845	Cannot remove excel filter after edit inline.

Patch number	AskMe ID	Description
	#66739	Cannot download Storage Service file from tile widget.
11.24.3.4	#64911	Custom actions do not show confirm message from Tile widget.
	#65844	Widget dynamic Form opened in drill down in dashboard does not have update data button.
	#65895 - #66706	Filter are not propagated in drill down widget inside dashboard.
11.24.3.3	#62766	Problem while renaming tab inside dashboard.
	#65326	Problem on Layout parameter in Control Tower.
11.24.3.2	#65014	Problem while adding a field in Bricks with plugin.
	#63292	Edit entity form: USE PARAMETER AS DEFAULT VALUE doesn't work.
	#65325	Problem on CT when publishing the same report more than once with different parameters.
11.24.3.1	#47668	Cannot filter columns that correspond to a number(1,0) Oracle field.
	#64911	Custom actions are not called from the Tile widget.
11.24.3.0	#49895	Wrong version is displayed in the information pop-up window.
	#50297	Custom action result opens multiple pop-up windows.

Patch number	AskMe ID	Description
	#50602	Entities: Error in editing item when PK have IDs with spaces.
	#50775	Errors occur while opening a Control Tower.
	#50855	Cannot switch to desktop mode on hybrid screens.
	#50857	Editing a field in a widget causes the visibility settings of all fields to be lost.
	#50904	Grid wirings do not work when the widget's toolbar is hidden.
	#51048	API Button cannot be configured correctly if its payload or URL contains the minus character (-).
	#51050	Custom actions throw an error even if recompiled with base 2023.3 libraries.
	#51191	Data entry form in grouped grids does not work correctly.
	#51407	The "Select All" operation does not work as expected when an Excel-like filter is applied.
	#51548	Bookmarks to dashboards no longer work.
	#51561	The "Save as" action in the widget configuration page does not work properly.
	#51631	Dashboards are no longer visible in the "Analyze" tab of sedApta GO.
	#51638	Functional roles are ignored for Control Tower visibility.

Patch number	AskMe ID	Description
	#51675	Missing widget translations.
	#51699	Impossible to open pivot table widgets in Bricks if there are Multiple values.
	#51717	Entities: The "Orders/Operations" (ORDINI_FASI) table cannot be edited.
	#52253 - #54138	Entities: Issues in custom query when used in Update.
	#52283	Wirings between widgets contained in different grid containers do not work.
	#52566	Errors occur during a multiple update of a field with default value.
	#52898	Parameters inside a widget's title by default do not show the default value.
	#52994	Editing in-line does not work if an identity field is present.
	#53702	Standard Dashboard Filters Error for Date in day-month-year format selected by the date time picker.
	#53703	Massive dashboard export: unreadable legend in PDF file.
	#53849	MOM-SOP Entities translations are not automatically uploaded.
	#53952	Refreshing by browser of Control Tower page will lose the navigation of the Control Tower.
	#54108	Changes lost in the pivot table widget.

Patch number	AskMe ID	Description
	#54150	In a datasource, editing with CRUD does not work with "Update all".
	#54265	Issue on report editability.
	#54560	Problem in the date format.
	#54788	Errors occur while importing data from Excel to an Oracle table that contains triggers.
	#54794	Errors in datetime parameters when database connections are retrieved from Configuration Service.
	#55959	Edit on child (detail) widget with multivalue parameter.
	#56025	The TreeList widget generates an error when displayed in a board and freezes when inside a Control Tower.
	#56163	Date filter malfunction.
	#56216	Dashboard wiring between fields and drive-type parameters does not work.
	#56285 - #56677	The multi-selection's checkbox column is wrongly displayed when there are frozen columns.
	#56523	Issue with Excel-like filters and multivalues.
	#56596	Edit in line and edit in forms overlap issue.
	#56646 - #57199 - #57888 - #58105	When a JOIN clause is added to the Production Gantt, the wiring between the Production Gantt and the other widgets gets broken.

Patch number	AskMe ID	Description
		<u>NOTE:</u> It is necessary to reselect the correct column for the "Resource name source column" field.
	#56706	Upon export and import of a datasource, all settings of editability are enabled.
	#57120	An error occurs after updating a field in a dashboard.
	#57300	Multi-selection editing - dynamic drill-down does not work.
	#57797	Wiring between a paginated and not paginated grid does not work.
	#57905	Fixed columns only work in the default scenario.
	#58361	Data sorting does not work.
	#58486	The "Update All" functionality does not work if grid or tree-list widgets are configured to use virtual scrolling.
	#58509	An error occurs upon saving to Company Chart.
	#58600	Filter on columns for value not present in the first rows.
	#59126	Grid scroll repositioning after commit.
	#59135	The "Reset filters" functionality does not work when virtual scrolling is enabled.
	#59450	Export to Excel does not work.

Patch number	AskMe ID	Description
	#59951	Issues affecting navigation performance.
	#60018	Issues when exporting a grid with filters to Excel.
	#60250	Parameters in titles are not resolved.
	#60324	Entity Form behavior misalignment between Control Tower and Dashboard.
	#61439	The "Export all to Excel" functionality does not work.
	#61793	Editing inline requires double-click to open a grid cell. <u>IMPORTANT NOTE:</u> In order to enable this fix, it is necessary to disable the new "Enable double click editing" option in the Grid widget's settings screen.
	#63098	Clicking outside of the grid after editing does not save the updated value.

### 2.3.2.2 Company Chart

Patch number	AskMe ID	Description
11.24.3.7		Implementation: Security enhancement.
11.24.3.6		Implementation: Security enhancement.
11.24.3.5		Implementation: Security enhancement.
11.24.3.4	#74422	It is not possible to add a user to the node if it is

Patch number	AskMe ID	Description
		already present for another product in the same node.
11.24.3.3		Implementation: Security enhancement.
11.24.3.2	#306053	Implementation: prerequisites New in CNF_11_24_3_3.
11.24.3.1		Implementation: Security enhancement.
11.24.3.0	#57589	Performance issue in the GetAllConfigurations API.

### 2.3.2.3 Configuration Manager

Patch number	AskMe ID	Description
11.24.3.12		Implementation: Security enhancement.
11.24.3.10		Implementation: Security enhancement.
11.24.3.7		Implementation: Security enhancement.
11.24.3.6		Implementation: Security enhancement.
11.24.3.3		Weak PoolConnection.
11.24.3.2		Implementation: Security enhancement.
11.24.3.1		Configurator Missing prerequisite in IIS. Service: websocket



### 2.3.2.4 License

Patch number	AskMe ID	Description
11.24.3.8		Implementation: Security enhancement.
11.24.3.6		Implementation: Security enhancement.
11.24.3.5		Implementation: Security enhancement.
11.24.3.4		Implementation: Security enhancement.
11.24.3.3		Implementation: prerequisites New in CNF_11_24_3_3.
11.24.3.2		Implementation: Security enhancement.
11.24.3.1		Missing websocket prerequisite in IIS.

### 2.3.2.5 Notification Engine

Patch number	AskMe ID	Description
11.24.3.13		Implementation: Security enhancement.
11.24.3.12	#54815	Review Import/Export: fix checkbox and field color.
11.24.3.10	#73199	Print labels in advance from SFM/Bricks.
	#75953	Error uploading files on Bricks.
11.24.3.9		Implementation: Security enhancement.

Patch number	AskMe ID	Description
11.24.3.8		Implement: Service in HA mode: main node check based on polling.
		Implementation: Security enhancement.
11.24.3.7		Implementation: Security enhancement.
11.24.3.6	#71828	Problem in calling a rest API with content type set to x-www-form-urlencoded
	#72402	Service in HA mode: main node restart operations Problem.
11.24.3.5		Implementation: New prerequisites in CNF_11_24_3_3.
11.24.3.4	#71341	Rest call does not manage Basic authentication.
11.24.3.3		Implementation: new connector RabbitMQ.
		Implementation: new connector MQTT.
		Implementation: Suspend response on Rest Connector.
		Security Problem on JQuery.

### 2.3.2.6 Procedure Launcher

Patch number	AskMe ID	Description
11.24.3.8		Implementation: Security enhancement.

Patch number	AskMe ID	Description
11.24.3.7		Implementation: Security enhancement.
11.24.3.6	#77659	In the .bat file, an error occurs when procedure launcher is running.
11.24.3.5	#71048	ProcAuto does not end.
	#75437	Service kills all instances of Nicim in session 0, regardless of app pool ownership.
		Implementation: Security enhancement.
11.24.3.4		Implementation: Security enhancement.
11.24.3.3		Configuration Manager client update Problem.
11.24.3.2		Implementation: Security enhancement.
11.24.3.1		Memory leak in Angular client due to incomplete cleanup of widgets and layout manager objects.
11.24.3.0	#60060	Procedure Launcher: Occasionally, when a PA is executed, Nicim.exe fails to start.

### 2.3.2.7 Storage

Patch number	AskMe ID	Description
11.24.3.9		Implementation: Security enhancement.

Patch number	AskMe ID	Description
11.24.3.8		Implementation: Security enhancement.
11.24.3.7		Implementation: Security enhancement.
11.24.3.6		Implementation: Security enhancement.
11.24.3.5		Implementation: New prerequisites in CNF_11_24_3_3.
11.24.3.4		Implementation: Security enhancement.
11.24.3.3		Search API throws an error if required folder does not exists
11.24.3.2		Memory leak in Angular client due to incomplete cleanup of widgets and layout manager objects.
11.24.3.1		Content-Disposition header must be exposed to a Javascript client on file requests.

### 2.3.2.8 Unit of Measurement

Patch number	AskMe ID	Description
11.24.3.6		Implementation: Security enhancement.
11.24.3.5		Implementation: Security enhancement.
11.24.3.4		Implementation: Security enhancement.

Patch number	AskMe ID	Description
11.24.3.3	#75434	Oracle connection does not work.
11.24.3.2		Implementation: Security enhancement.
11.24.3.1		Implementation: prerequisites New in CNF_11_24_3_3.

## 2.3.3 Master Data Services

### 2.3.3.1 ShiftBook

Patch number	AskMe ID	Description
11.24.3.13		Implementation: Security enhancement.
11.24.3.12		Implementation: Security enhancement.
11.24.3.11		Implementation: Security enhancement.
11.24.3.10		Implementation: Security enhancement.
11.24.3.9	#69326	Missing indexes on SHB tables.
11.24.3.8		It is not possible to upload downtimes from SHB (columns don't currently have unique values).
11.24.3.7		Implementation: prerequisites New in CNF_11_24_3_3.

Patch number	AskMe ID	Description
		Implementation: Security enhancement.
11.24.3.6	#68192 - #66940	Generic save error when setting a stop at the plant level.
11.24.3.5	#63283	Generic error.
	#66578	Correct reading issue in Resource & Supply Planning of calendars from ShiftBook.
11.24.3.4	#56491	Shiftbook Factory Calendar invalid translation.
11.24.3.3	#66079	Issues in saving Resource Calendar Capacities.
11.24.3.2		Memory leak in Angular client due to incomplete cleanup of widgets and layout manager objects.
11.24.3.1	#64837	Visualization issue in variations when client has a different timezone from server.
	#65434	Capacity in Resource Cube is empty on Sundays although 4 hours are defined in Shiftbook.
11.24.3.0	#58890	Issues with retrieving Resources Capacity from ShiftBook.
	#63188	Unable to save a shift when the selected type is "Non-working (HS)".

### 2.3.3.2 Material

Patch number	AskMe ID	Description
11.24.3.6		Implementation: Security enhancement.
11.24.3.5		Implementation: Security enhancement.
11.24.3.4		Implementation: Security enhancement.
11.24.3.3		Implementation: Security enhancement.
11.24.3.2		Implementation: prerequisites New in CNF_11_24_3_3.
		Implementation: Security enhancement.
11.24.3.1		Memory leak in Angular client due to incomplete cleanup of widgets and layout manager objects.

### 2.3.4 Core

Patch number	AskMe ID	Description
11.24.3.0	#51699	FlexPivot widget's chart visualization issue when "multipleMeasures" flag is used.
	#52258	The server pivot table does not refresh data upon clicking on the "Refresh" button.
	#52399	User cannot login if a UNICODE character is used

Patch number	AskMe ID	Description
		in their display name.
	#53753	An issue occurs upon expand/collapse of the bucket hierarchy in the pivot table.
	#53937	RestCtl does not send user in HTTP headers.
	#54631	Date discrepancy issue while exporting to Excel grids containing datetime values.
	#55599	It is not possible to apply conditional expressions based on item existence in decoration rules.
	#56285 - #56677	The multi-selection checkbox column is not correctly displayed when there are frozen columns.
	#56475	RestCtl.exe: When Access Token request fails, polling is aborted.
	#58600	Filters are applied only if values are present in the first rows of grids or treelists.
	#59135	The "Reset filters" functionality does not work when virtual scrolling is enabled.
	#60250	Pareto Chart title parameter binding issue.
	#60731	The "Export to Excel" button partially exports data.
	#60746	Sorting issue in Pivot table filters. Results are not



Patch number	AskMe ID	Description
		sorted alphabetically in ascending order as expected.
	#61439	The "Export to Excel" functionality duplicates columns, including hidden ones.
	#63542	Decimal precision lost in Pivot table widget when a filter is used.

## 2.3.5 DB Update

Patch number	AskMe ID	Description
11.24.3.9		Implementation: Security enhancement.
11.24.3.8		Implementation: Security enhancement.
11.24.3.7		Implementation: Security enhancement.
11.24.3.6		Implementation: Security enhancement.
11.24.3.5		Implementation: Security enhancement.

## 2.3.6 Utilities

Patch number	AskMe ID	Description
11.24.3.5		Implementation: Security enhancement.

Patch number	AskMe ID	Description
11.24.3.4		Implementation: Security enhancement.
11.24.3.3	#73199	Print labels in advance from SFM/Bricks.
11.24.3.2		Implementation: Security enhancement.
11.24.3.1		Implementation: Security enhancement.
11.24.3.0	#49417	Printer Server: Printer Server cannot print labels when the pipe character is used in Work Orders ID.

## 2.4 X3 Interface

### 2.4.1 X3 Interface

AskMe ID	Description
#65027	GraphQL: Does not import Work order operation 'Forced date'.
#71768	GraphQL: Work Center capacity variations and number of resources are not imported.
#74588	GraphQL: "Scheduled start" and "Scheduled End" dates are not updated.
#74989	GraphQL: Total Import does not work.
#78415	GraphQL: Import is taking a long time.
#78845	GraphQL: Consistency problem between item codes in Work orders and item codes in stock and WOF components.
#82597	GraphQL: Batch scheduling/automated tasks are not possible.

## 3 Known Issues

The following list of known issues only refers to the current version, Scheduling Solution 2024.2 GA. Please read this chapter before reporting new bugs.

### 3.1 MOM

#### 3.1.1 Factory Scheduling

AskMe ID	Description
	The interface does not manage cycle time equal or greater than one day.
	In some interfaces, string filters are case sensitive.
	Center resources with no machine defined are not managed.
	Interactive Mode only: Possible data misalignment if the user launches the automatic scheduling a certain amount of time after loading data and, in the meantime, stock data on database has been changed.
	Interactive Mode only: Automatic scheduling algorithm (SED) takes into account "parallel machines" value for "lead-time" production on center machines, while the web application does not.
	It is not possible to filter "TimeSpan" data in grid interfaces.
	Wrong picking management for phases already in progress.
	Factory Scheduling does not skip initial stock available in the "Management Warehouse" (MAGA_GEST) table with disabled visibility for Scheduling (flag <code>FLAG_SCHED &lt;&gt; 1</code> ), while automatic scheduling's algorithm correctly skips it.
	Adding a downtime outside the ShiftBook calendar's validity interval causes any attempt of saving the production plan to fail. <b>NOTE:</b> As a workaround, it is possible to extend the calendar's validity interval in ShiftBook.

AskMe ID	Description
	The automatic scheduling procedure schedules, as first phase of a multi-phase order, the first locked phase (without checking unlocked phases).
	The save operation returns an error when the machine code contains an empty space.
	Automatic scheduling algorithm (SED) does not manage "parallel machines" option for standard machines, while the web application does.  NOTE: When the application is integrated with the automatic scheduling algorithm, make sure to set the "parallel machines" value = 1 for standard machines.
	An error arises if the progressives of the subshifts have the same number.
	Data available in the "Teams Planning and Scheduling" ( <code>ALLOCAZIONI_SQUADRE</code> ) table can be incomplete for work orders split into two or more scheduled productions.
	Possible inconsistencies in multi-phase management for orders with an in-progress phase.

## 3.2 Foundation

### 3.2.1 ACM

AskMe ID	Description
#11800	The token included in the header might become too long and cause failures; this is commonly due to a great number of roles assigned to the user. <u>NOTE:</u> As a workaround, it is possible to use roles' inheritance, thus avoiding the growth of assigned roles to a single user.
	Upon upgrading from an earlier version to 11.9 UPD 3 or later, the setup does not retain the Windows Authentication setting.

AskMe ID	Description
	<p>As a consequence, an Access Control Manager web application previously configured to use IWA will lose this setting after the upgrade.</p> <p><b>NOTE:</b> As a workaround, it is possible to manually enable Windows Authentication after the upgrade process by turning on the "EnableWindowsAuthentication" property in the "SecuritySettings" section of the "ACM\WebManager\appsettings.json" file.</p>

## 3.2.2 Master Data Services

### 3.2.2.1 ShiftBook

AskMe ID	Description
	Upon adding a new recursive holiday, the holiday is not replicated correctly in the given days, but it is only present in the first one.
	Upgrading from 11.6.X version, the CoreDB connection properties are not automatically retained from the previous installation but are asked again to the user.

### 3.2.2.2 Material

AskMe ID	Description
	In the Material service, a system configurator can localize some of the properties of material entities (i.e., Material Definition description) but these localized values, once created, are not shown all across the user interface.
	If a Bill of Material contains materials that consume themselves, the implosion and explosion algorithm may show duplicated or incorrect Bill of Material segments.
	When upgrading from a 11.7.X version the Material Service database, migration fails at the first run of the WebManager application.

AskMe ID	Description
	If a user attempts to delete a status that is in use by at least a Material Definition, the system does not delete the status, but no messages are prompted to the user to inform them about the issue.
	[Nicim/EPMaster Integration] Unable to assign a recipe code and version to a material definition once it is released. <u>NOTE</u> : As a workaround, it is possible to change the "CanBeUpdated" property of the "IsReleased" attribute so that a material can be updated even if it is in "Released" status.

### 3.2.3 Core

AskMe ID	Description
#43812	An issue occurs when there is an empty space within values in an Excel-like grid filter, preventing the filter button from enabling.
	If a widget, whose configuration comes from a previous version, has a JOIN that contains special characters (e.g., ' ', '-') in its name does not show any values in the joined columns.
	When using a Grid with virtual scrolling and the active cell of the Grid is not visible (the Grid is scrolled horizontally) then on scrolling vertically the Grid will move automatically the horizontal scrollbar.
	In grids with frozen columns when user zooms the page using the browser feature, some rows may not be visible.
	Context Menu items are not correctly shown on the last visible pivot table's rows. <u>NOTE</u> : It is recommended to use the full-screen mode in this case.
	Issues with URL's case sensitivity during login: The authentication procedure for accessing to the sedApta Suite requires that all web modules are browsed using the exact URL used in the IIS deploy. This is due to the fact that authentication cookies paths are case-sensitive and may lead to errors during the login process if they are not aligned with the case of the web module application. <u>NOTE</u> : As a workaround, an end-user can create bookmarks with the correct case to avoid typing URLs with wrong cases.
	On some scenarios, performing changes on a grid's columns (through the "User Settings" button) after the access token is expired results in changes not persisting and an error to occur.

AskMe ID	Description
	Occasionally, the "Map" widget does not use the full size of its container and gets cut off.

### 3.2.4 Utilities

AskMe ID	Description
	[SQL Server only] On SQL Server database, empty strings are not managed as NULL values (as in Oracle).