



Factory Scheduling Solution

Release Notes

2025.1 GA May

Release Notes

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1 *Highlights*

Dear reader, thank you for using our new release. Among the many things you will find mentioned inside this document, special mentions go to **Lumi VM (Virtual Manager)** and **Factory Scheduling**.

In *Factory Scheduling*, we are including the following new Workforce Scheduling Management functionality: [operator association](#) till the end of the shift, [override](#) the operator plan, associate [multiple operators](#) to an activity.

These features enhance flexibility and operative efficiency, by providing more powerful tools to optimize management of both production and resources.

The following new [reports](#) are also being added: Daily Plan, Customer Orders, Service Level, Missing Material, Purchase Orders, Material Trend, Purchase Orders needed and Picking list.

2 What's New?

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

The GA of May 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 2025 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](#)

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

[Dropping support for Microsoft SQL Server 2016 / 2017 and Oracle 12c](#)

End of support for Microsoft SQL Server 2016 / 2017 and Oracle 12c.

[Windows Server 2022 support](#)

Adding support for Windows Server 2022.

Windows Server 2022 includes many new features, enhancements, and performance improvements.

2.1 MOM

2.1.1 Factory Scheduling

[#53172: Scheduler start date for workgroup](#)

It is now possible to differentiate scheduler start date between different workgroups.

[#60963: Missing material at phase level](#)

It is now possible to view missing material in all phases shown in the explosion analysis widget.

[New fields to Resource Gantt widget](#)

Adding new fields (Subphase, Resource Code and Mold Code) to the Resource Gantt widget.

[Implicit chain override](#)

Allowing the user to move a phase from a resource to another by maintaining the override set.

[Partial Resource Lock Handling with Enhanced Material Visibility](#)

A new parameter has been added to the global configuration, enabling the scheduling of resources with visibility into material availability on unlocked resources.

[New Reports](#)

The following new reports are being added to Factory Scheduling in order to improve resource management and planning:

- *Daily Plan*: Daily report of planned activities.
- *Customer Orders*: Tracking of customer orders.
- *Service Level*: Analysis of the service level.
- *Missing Material*: Identification of missing materials.
- *Purchase Orders*: Advanced management of purchase orders.
- *Material Trend*: Analysis of material trends.
- *Purchase Orders Needed*: List of needed purchase orders.
- *Picking List*: Detailed list of picking materials.

[Operator association till the end of the shift](#)

It is now possible to associate an operator till the end of the shift even if the activity is longer than their own shift.

Override the operator plan

It is now possible to apply an override in the operator plan to satisfy operative requirements.

Associate multiple operators to an activity

It is now possible to associate multiple operators to an activity, in case of long activities with multiple shifts.

Temporary order widget

A new widget has been added in order to keep track of deleted orders from the plan.

Copy of custom attributes during operation split - Manual Mode only

When working in manual mode configuration, all custom attributes are copied when splitting an operation.

Fixed productions - Manual Mode only

When working in manual mode configuration, a new type of override has been added in order to fix a production in the plan.

Multi-warehouse in stock trend

Stock trend calculation can now use materials from different warehouses.

2.2 Foundation

2.2.1 ACM

Synchronization of Enterprise and Supplier Fields

Adding Enterprise and Supplier fields to ACM Users and synchronizing these fields from external sources such as Active Directory, Microsoft Entra ID or LDAP.

2.2.2 Base Services

2.2.2.1 Bricks

[Extending Bricks' inline editing capabilities](#)

Integrating into Bricks' inline editing all functionalities previously available in Analytics, including inline drop-down menus, conditional field editability, and input value validation.

[Prevent data type modifications in Datasource](#)

Preventing direct modifications of field data types in the datasource configuration UI. By implementing this safeguard, users will be prevented from unintentionally or erroneously altering data types for fields within a datasource.

2.2.2.2 Notification Engine

[New MQTT connector](#)

A new connector for MQTT protocol is now available.

[New RabbitMQ connector](#)

A new connector for RabbitMQ service is now available.

2.2.3 Core

[New Grid Tile-View Mode](#)

Introducing a new "Tile-View Mode" in Grid widget that arranges the Grid's rows into tiles. This option can be activated on each scenario by using the Bricks Widget Configuration UI.

[Case-insensitive filtering](#)

Adding support for case-insensitive filtering, thus improving the reporting and searching experience.

[Enhanced Client-Side Caching](#)

Enhanced client-side caching to retain configurations even after closing the browser, reducing the need for reloading and improving user experience with faster access to saved settings.

Excel-like filters behavior has been aligned with Microsoft Excel filters

The values shown in an Excel-like filter now consider the result set determined by the application of all other filters rather than all the existing options.

Compact View Configuration for Widgets

Empowered users with the ability to configure each widget individually with a compact view. This functionality maximizes the number of records visible on a single screen, allowing for efficient utilization of screen space and providing a condensed view of data.

Enhanced Global Layout Filters

Introducing a user-friendly update to improve layout filter accessibility in the Layout Manager. Filters are now always visible and easily accessible.

FlexPivot: Global Expand/Collapse of Rows or Columns

Introducing the possibility to alternatively expand or collapse all rows or columns within a FlexPivot widget.

Performance and Memory Optimization for Client and Backend

Enhanced client and presentation backend performance through targeted optimizations, reducing memory consumption and improving response times in data retrieving.

3 Bug Fixes

This list covers all the bug fixing done since the previous release until GA of May 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 11.25.3.0 is the officially released version), the second column indicates the AskMe number (if present), and the third is the bug description.

3.1 Installer

Patch number	AskMe ID	Description
11.25.3.2		Sedapta.Core libraries updated.
11.25.3.1		Implementation: Add NE Database Scope.
11.25.3.0		Implementation: Security enhancement.

3.2 MOM

3.2.1 Factory Scheduling

Patch number	AskMe ID	Description
11.25.3.10	#90530	Commit: a warning message is displayed for "parallel machines value out of range for some orders" for multi-pallet machines.
	#90657	Heuristic: "Frozen period end date" is not enabled/disabled in real time when changing the switch "Enable frozen period".

Patch number	AskMe ID	Description
11.25.3.9	#89635	Production Gantt: if the widget is present in the layout but hidden (ex. in a collapsed panel of a splitter), then when running a simulation an error is raised.
	#90218	Reports/ALLOCAZIONIOData returns an error.
		Implementation: add column BATCH to tables S_P_ORDER_STOCK_REL and S_P_ORDER_STOCK_REL_VERSION.
11.25.3.8	#88220	The widget Initial Stock does not return any data in case Active = 0 for LoadMultiWarehouse in table S_APP_GLOBAL_SETTINGS.
	#89201	Production Gantt: performance issues during data loading and changing scenario.
	#89633	Resource Grid: when selecting a record using the checkbox, the first record is selected instead.
11.25.3.7	#89207	Production Gantt: all the phases are displayed as with "Missing Material".
11.25.3.6	#70677	Inventory Trend: in case of shift with day back, the bucket is split at midnight.
	#88280	An error is raised when opening a simulation in case of records in S_P_SCHED_PROD_FORCING related to equipment not in cycle.
		Implementation: add forcing Quantity, Efficiency, Cycle Time, Parallel Machines on both Interactive and Automatic modes. NOTE: the setting ForceProductionAttribute is added to the table S_APP_GLOBAL_SETTINGS . By default its value is 'false', so this implementation is switched off.

Patch number	AskMe ID	Description
11.25.3.5	#86486	Production Gantt - Plugin: when resizing a production, the ResourceId is not passed to the wiring CORE.PLAN_MODIFICATION.
	#86878	Fishing Pond: the filters on dates do not match the value set (to filter midnight, the filter must be set on the previous day at 10PM).
	#87045	Production Gantt with Layers: the quantity of child productions changes when a parent is resized.
11.25.3.4	#87573	Error running /Api/NicimApi/ExportData using RestCtl.
11.25.3.3	#86180	Production Gantt: the Expand button does not work if a production has not "free" space on the left.
	#84604	Production Gantt: the downtime is extended to the entire day following the end date (if end date = midnight).
	#86654	Production Gantt: the drag&drop of a child production at the end of the setup time of the parent production does not work.
11.25.3.2	#85482	Run Batch fails.
	#86492	Activity Details: it is not possible to change the speed (pcs/day).
11.25.3.1	#84184	STOCK_TREND: an error occurs when opening a simulation.
		LAYER: Add in lower layer. If a production before the production selected for Add in lower layer is present, the materials dropdown list remains empty.

3.3 Foundation

3.3.1 ACM

Patch number	AskMe ID	Description
11.25.3.3		Sedapta.Core libraries updated.
11.25.3.2	#82331	Logout issue, url is too long.
	#87399	Orchestrator has wrong role management into google button.
		Implementation #: Update Lumi VM Disclaimer.
11.25.3.1	#85752	Some dll are missing for import Azure Active Directory.

3.3.2 Base Services

3.3.2.1 Bricks

Patch number	AskMe ID	Description
11.25.3.11	#90146	Performance issue with html clips.
	#90396	It is not possible to zoom and pan barline widgets.
	#90707	Filters excel like with date value and big dataset are slow.
11.25.3.10	#89306	Dynamic values in form obtain by wiring no longer work in 2025 version.
	#89754	It is not possible to update row of an oracle table if Id is a GUID.

Patch number	AskMe ID	Description
11.25.3.9	#88109	Multivalue parameters do not work on product.
	#88784	Dates are not chronological ordered on filter excel like.
	#88856	Wiring between tabs is enable by default (NOTE: It can be enabled modifying the layout settings).
	#89003	Editable form is not retrieved on product if the widget has a join.
		Implementation: Added support to Multi editing & custom action on Pivot.
11.25.3.8	#87913	Filter excel like not working with a slave grid with virtual scrolling and big dataset.
	#88784	Filters excel like with date have duplicated values and cannot be filtered.
		Implementation: Add support to Min/Max dynamic form Rules.
11.25.3.7	#83666	Grid-Grouping e Show group footer does not display the correct value.
	#86953	Filter excel like are not updated after inserting or deleting row.
	#87251	Decimal configured in edit form are not applied in inline editing.
	#87495	Select all in grid does not work in virtual scrolling.
	#88502	Filter in mobile mode does not work.
11.25.3.6	#86518	No error message is showed if the data request fails.
	#87747	Widget keys are lost after reopening widget in Bricks.

Patch number	AskMe ID	Description
		Filter excel like for date has not same format of column.
11.25.3.5	#70060	After change filter are saved wrong rows.
	#83909	Global search does not show all records.
	#85872	Configured grid grouping order is not applied.
	#86948	Prefiltered dropdownlist in editing does not shown the right values.
		Implementation: Enable excel like filter on Date Column.
11.25.3.4	#85943	It is not possible to configure a library widget in drilldown.
	#85772	Problem with multivalue parameter and joins.
11.25.3.3		Implementation: New cleaning policy for User Settings when Publishing to Company Chart.
		Implementation: Configurable splitter position.
		Implementation: Configurable widget refresh after editing.
11.25.3.1	#84475	In Control Tower the selected dashboard does not always open.

3.3.2.2 Company Chart

Patch number	AskMe ID	Description
11.25.3.2		Sedapta.Core libraries updated.

Patch number	AskMe ID	Description
11.25.3.1		Sedapta.Core libraries updated.

3.3.2.3 Configuration Manager

Patch number	AskMe ID	Description
11.25.3.4		Sedapta.Core libraries updated.
11.25.3.1		Implementation: Add NE Database Scope.

3.3.2.4 License

Patch number	AskMe ID	Description
11.25.3.1		Sedapta.Core libraries updated.

3.3.2.5 Notification Engine

Patch number	AskMe ID	Description
11.25.3.5		Sedapta.Core libraries updated.
11.25.3.4	#87075 - #87333	SetReadAll and SetDeleteAll in User Messages sometime raise an error.
11.25.3.3		Implementation: move DataBase migrations from previous versions to DBUpdate utility.
		Implementation: change default email address in "sedApta Certificate Expiration Date" operation.

Patch number	AskMe ID	Description
11.25.3.2	#54815	Review Import/Export: fix checkbox and field color.

3.3.2.6 Procedure Launcher

Patch number	AskMe ID	Description
11.25.3.1		Security enhancements.

3.3.2.7 Storage

Patch number	AskMe ID	Description
11.25.3.2		Sedapta.Core libraries updated.

3.3.2.8 Unit of Measurement

Patch number	AskMe ID	Description
11.25.3.1		Sedapta.Core libraries updated.

3.3.3 Master Data Services

3.3.3.1 ShiftBook

Patch number	AskMe ID	Description
11.25.3.1		Implementation: Support Shift decimal capacity.

3.3.3.2 Material

Patch number	AskMe ID	Description
11.25.3.1		Sedapta.Core libraries updated.

3.3.4 DB Update

Patch number	AskMe ID	Description
11.25.3.3		Sedapta.Core libraries updated.
11.25.3.1		Implementation: Add NE Database Scope.

3.4 X3 Interface

3.4.1 X3 Interface

AskMe ID	Description
#61335	GraphQL, partial import does not manage posted quantity adjustment.
#79820	<p>GraphQL, splitting an operation between internal and external production creates two phases with the same Order ID and Phase ID. This causes a duplicated key error and import failure.</p> <p>Note: For this feature to work correctly, a patch from Factory Scheduling is required and it will be released soon.</p>

4 Known Issues

The following list of known issues only refers to the current version, Scheduling Solution 2025.1 GA. Please read this chapter before reporting new bugs.

4.1 MOM

4.1.1 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" (<code>MAGA_GEST</code>) table with disabled visibility for Scheduling (flag <code>FLAG_SCHED <> 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. NOTE: 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).
	If the user adds a calculated field or a join in the grid part and not in the Gantt part of the widget, filters applied to one part are not carried over to the other.
	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.

4.2 Foundation

4.2.1 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. NOTE: As a workaround, it is possible to use roles' inheritance, thus avoiding the growth of assigned roles to a single user.

AskMe ID	Description
	<p>Upon upgrading from an earlier version to 11.9 UPD 3 or later, the setup does not retain the Windows Authentication setting.</p> <p>As a consequence, an Access Control Manager web application previously configured to use IWA will lose this setting after the upgrade.</p> <p>NOTE: 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>

4.2.2 Base Services

4.2.2.1 Bricks

AskMe ID	Description
	<p>When exporting reports in Bricks, the process fails if any grid cell contains data exceeding 32,000 characters.</p> <p>NOTE: As a workaround, users are advised to limit cell data to under 32,000 characters.</p>

4.2.3 Master Data Services

4.2.3.1 ShiftBook

AskMe ID	Description
	<p>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.</p>
	<p>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.</p>

4.2.3.2 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.
	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. NOTE: 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.

4.2.4 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.
#45128	In grids with frozen columns when user zooms the page using the browser feature, some rows may not be visible.
#59112	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.
	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.

AskMe ID	Description
	<p>When configuring a Pivot Server, navigating to the user settings, and clicking on "Restore All," the pivot reloads with the previous user settings even if these settings have been deleted.</p> <p>After adding new fields to the Pivot and clicking on "Refresh" > "Refresh data & configuration," the pivot is not updated.</p> <p>NOTE: As a workaround in both cases, to apply new changes, it is possible for the user to log out of the application or change their context or perform a "Clear Cache" and press F5 to reload the page.</p>
	<p>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.</p> <p>NOTE: As a workaround, an end-user can create bookmarks with the correct case to avoid typing URLs with wrong cases.</p>
	<p>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.</p>
	<p>When the Map, Pivot, KPI Viewer and Chart widgets are used in a Control Tower, refresh problems might occur upon triggering a wiring.</p>
	<p>When switching a Grid widget's pagination mode from "Virtual Scrolling" to "Pagination" and saving it on the Company chart, multiple issues may occur after reloading the widget configuration: the vertical scrollbar does not adapt to pagination, and filters do not function correctly.</p> <p>NOTE: As a workaround, it is possible to perform a full reload (F5).</p>

4.2.5 Utilities

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

4.3 X3 Interface

4.3.1 X3 Interface

AskMe ID	Description
	The Sage 'Jumping Man' splash screen has been replaced with the sedApta standard.
#79820	<p>GraphQL, splitting an operation between internal and external production creates two phases with the same Order ID and Phase ID. This causes a duplicated key error and import failure.</p> <p>Note: For this feature to work correctly, a patch from Factory Scheduling is required and it will be released soon.</p>