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✓	SIM-3136	2100r8n01p03 Modeller update	Basic, Advanced, Professional	Installation Installation-package Release simcron/Modeller	Installation-and-Update	<ul style="list-style-type: none">- Simulation performance improved- Error that caused a memory overflow corrected- Potential error source corrected	
✓	SIM-3049	Remove dependence on slf4j in alaps java project	Professional	Logging gradle	Installation-and-Update	The Java dependencies of the abas Java programs on the SLF4J logging framework have been removed.	
⬆	SIM-3126	Sorted resources in Resources view, Operations view, Utilization view, Bottleneck view	Basic, Advanced, Professional	Resource-view Sequence	Planner-Handling&Views	The default resource sorting in views containing resources has been changed.	
⬆	SIM-3121	Display information on grouped operations	Professional	Grouping	Planner-Handling&Views	The display and handling of grouping operations has been improved. The user can now trigger workflows for the entire group via the context menu.	
⬆	SIM-3058	Create model dates without buffer times	Professional	Buffer-time Model	Simulation-logic	The end of the order in the order dates additional table previously included the buffer time when written back to the last operation. The values have been changed so that the end of the order now only includes the transport and wait time and excluding the buffer time of the last operation. This means that writing back the dates from the APS planner and from the additional table no longer results in different values.	
⬆	SIM-3029	Remove operation fixing during work order release	Basic, Advanced, Professional	WO-release	Planer-Interactions	If work order suggestions are not fixed before the WO release, they are no longer automatically fixed when dates are written back. Thus, work order suggestions that are not checked for WO release in the release infosystem remain in the non-fixed state. Caution: This change is only effective if the parameter "Set checkbox for WO release" is deactivated. As soon as the checkbox for release is set in the infosystem, the work order suggestion is automatically fixed in the background. If the checkbox is subsequently deactivated, the work order suggestion must be deactivated manually.	
⬆	SIM-3082	Reset active color selection for products/customers	Professional	Colors Customer-view Product Screen	FOP	The color selection for APS for products and customers can now be reset via the selection dialog.	
⬆	SIM-3021	Resource link reservation FOP optimized	Professional	Resource-alternatives Resource-link	Installation-and-Update	Resource link conversion now runs faster when updating to version 2018r4n02 or 2019r4n00. This was achieved by adding the SCHLFPORL8 key and making adjustments to the conversion script.	
⬆	SIM-3020	Total requirements can only be set if operation is fixed	Basic, Advanced, Professional	Planner Write-back	Planner-Configuration	The "Set total requirement" parameter is only effective in abas ERP for fixed operations. For this, a note has been included in the settings window for writing back (write production plan and production order release). The logic implemented in the write-back process has not been changed.	

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	SIM-3010	Completion confirmation for group work slips	Professional	Grouping	Simulation-logic	The behavior for clocking grouped operations has been improved. If an operation belonging to a group is clocked while other operations in the group have not yet been supplied with material, this no longer leads to the machine group being blocked. Instead, the clocked operation is removed from the group and a corresponding output is listed in the warnings.	
	SIM-2948	Enable replacing production lists with alternative production lists that don't have a product and do have a resource link	Professional	FOP FP.PL.RESLINK.SV.FO	Resource-assignment	The production list in the product can now be replaced by production lists without a link to the product, but which have a resource link.	
	SIM-2942	Make or Buy can be edited for requirements	Advanced, Professional	Material-allocation	Simulation-logic	The procurement type field in the reservation is no longer a skip field, but can be changed by the user. This means that the procurement type of requirements can be changed easily, e.g. in the order production list or in the planning card. The evaluation of materials allocations had to be adapted for this in the APS in order to map these make or buy decisions correctly.	
	SIM-3180	Days off in standard calendar not considered in lead time calculations	Advanced, Professional	Calendar	Simulation-logic Simulation-settings	If several connected non-working days were defined in the standard calendar, then only one of these days was used for the lead time calculation. This error has been corrected.	
	SIM-3171	Working time/Capacity increase/decrease ignored if shifts do not overlap	Advanced, Professional	Increase/decrease Timetable	Simulation-logic	The increases/decreases are now correctly calculated.	
	SIM-3132	Performance rates counted twice	Advanced, Professional	Release-test Resource-allocation Timetable	Simulation-logic	If no APS timetable or APS shift schedule was specified, performance rates and utilization rates were counted twice in the simulation. This error has been corrected.	
	SIM-3127	Switch-off times ignored for parallel assignments with machine off	Advanced, Professional	Completion-confirmation PDC Resource-assignment	Simulation-logic	An error in the work center occupation for orders that have been begun has been corrected.	
	SIM-3124	Error when editing "custom colors" in the settings	Basic, Advanced, Professional	Colors Customization	Planner-Configuration	The settings menu no longer freezes when you edit the custom colors.	
	SIM-3123	Java language variables not translated after installation / output not translated		Installation-routine Release-test Translation	Planer-Interactions	Errors that occurred when processing translated texts in Java programs and when installing dictionaries for Java property files (install-trans.sh) have been corrected.	
	SIM-3086	Time limit for "Operation end in scheduling" in report not working	Basic, Advanced, Professional	Report	Planner-Handling&Views	The evaluation of the time limit in the report has been corrected.	
	SIM-3085	Saved means of production in means-of-production sets generate error messages in the simulation	Professional	Means-of-production Resource-alternatives	Resource-assignment Simulation-logic	Saved means of production in resource sets no longer cause the simulation to be aborted with an error message, but are ignored in planning.	
	SIM-3084	Function "Fix workflow alternatives" only fixes resource	Professional	Workflow	Planer-Interactions	The "Fix workflow alternatives" now also fixes the resources in sets, if required.	

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		link row, not the resource in the set					
	 SIM-3077	APS error if shift schedule has ID with letters	Professional	FOP Release-test Timetable	Resource-availability	Shift schedules can be used with daily schedules that have alphanumeric ID's.	
	 SIM-3057	Setting for buffer working days/working hours is evaluated in the last operation as days/hours	Advanced, Professional	Buffer-time	Simulation-logic	The transitional period for working days/hours for the buffer time of the last operation in a BOM is now correctly evaluated.	
	 SIM-3061	Export/Import settings ignores the additional DB settings for writing back the alternatives	Professional	Settings Write-back	Planner-Configuration	The setting import did not consider all parameters for the EDP connection. The error has been corrected.	
	 SIM-3032	Changes to the number of machines in the available capacity not evaluated	Basic, Advanced, Professional	Capacity	Resource-availability	Rows in the available capacity with directly successive validity periods and the same number of machines were not previously considered. This error has been corrected.	
	 SIM-3028	In case of overlapping daily schedules, breaks in the overlap are not displayed	Basic, Advanced	Daily-schedule	Resource-availability	For overlapping daily schedules within an APS shift plan, the breaks within the overlapped period are now displayed.	
	 SIM-3027	In case of overlapping daily schedules and timetables, old breaks can remain	Advanced, Professional	Timetable	Resource-availability	Breaks in overlapping APS shift schedules and timetables are displayed correctly.	
	 SIM-3046	Resource link not included in copy when copying production lists	Professional	Resource-assignment	Resource-assignment	The resource link copy now retains the name and search word when you copy a production list.	
	 SIM-3026	Script abort for invalid breaks in daily schedules	Basic, Advanced, Professional	Daily-schedule	Resource-availability	Daily schedules with identical start and end times are now interpreted as being available for 24 hours.	
	 SIM-3012	Column sort errors after date fields in Customers view	Basic, Advanced, Professional	Customer-view Sorting	Planner-Handling&Views	The date columns in the Customers View were sorted alphabetically. This error has been corrected.	
	 SIM-3048	No rows highlighted in quick search in Operations view	Basic, Advanced, Professional	Colors Operations-view Quicksearch	Planner-Handling&Views	The color coding for the rows in the Operations view when using the Quick Search is now working again.	
	 SIM-3019	Error when shifting operation to an alternative using the APS planning work center	Basic, Advanced, Professional	Import Script	Interface	Now you can shift an operation to an alternative that uses planning work centers via drag & drop in the Planner.	
	 SIM-2982	Reservation completion confirmation check error	Professional	Confirmation Reservation	Workflow-Productionplanning	Error in check for work center for completion confirmations (yrmmgr) corrected.	
	 SIM-2981	Completion confirmations with references to departments cannot be transferred to reservation	Professional	Completion-confirmation Installation-Guide Reservation	Installation-and-Update Workflow-Productionplanning	Completion confirmations with direct reference to a department are not referenced in reservations. Only completion confirmations with references to work centers will be considered.	

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	SIM-2980	Lock on installation cannot be set due to delay on session termination	Basic, Advanced, Professional	Installation-routine	Installation-and-Update	The installation script takes into account delayed cleanup of EDP sessions in the installation process due to abas license check.	
	SIM-2953	Incorrect output for problematic order/quotation items in delivery date calculation	Professional	Delivery-date-calculation	Workflow-Delivery-Date-Calculation	Error in output dialog for delivery date calculation for order items with problems has been corrected.	
	SIM-3004	Flextime daily schedule script error	Basic, Advanced, Professional	Daily-schedule	Resource-availability	Flextime daily schedules with a missing start or end date are now ignored.	
	SIM-2957	APS FPPRODLIST - "do not plan in APS" can be edited in production list rows	Professional	Production-Center	Workflow-Productionplanning	The yfpbnoaps field in the FPPRODLIST infosystem is now write-protected in the detail view for the order production list row.	
	SIM-2962	Error in write-back radio button function	Basic, Advanced	Planner	Planer-Interactions	When writing back production plan or confirmed delivery dates, the user can select in the scheduling view whether all objects or only the shifted objects should be written back. In this case, the user could activate both options at the same time, which is not allowed. The error has been corrected.	
	SIM-2949	IS Production center "Use simulation dates" function not understandable	Professional	Production-Center Release-test	Workflow-Productionplanning	The "Use detailed planning dates" search option in the Production Center no longer outputs work order suggestions that do not have a simulated start or end date in the active simulation model as search results.	