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✓	SIM-3148	2101r8n01p01 Modeller update	Basic, Advanced, Professional	Installation-package Installation-routine simcron/Modeller	Release Installation-and-Update	- 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-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.	
⬮	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-3132	Performance rates counted twice	Advanced, Professional	Release-test Resource-allocation	Simulation-logic	If no APS timetable or APS shift schedule was specified, performance rates and utilization rates were counted twice in	

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				Timetable		the simulation. This error has been corrected.	
	 <a href="#">SIM-3127</a>	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.	
	 <a href="#">SIM-3124</a>	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.	
	 <a href="#">SIM-3123</a>	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.	
	 <a href="#">SIM-3086</a>	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.	
	 <a href="#">SIM-3085</a>	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.	
	 <a href="#">SIM-3084</a>	Function "Fix workflow alternatives" only fixes resource link row, not the resource in the set	Professional	Workflow	Planer-Interactions	The "Fix workflow alternatives" now also fixes the resources in sets, if required.	
	 <a href="#">SIM-3077</a>	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.	
	 <a href="#">SIM-3057</a>	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.	
	 <a href="#">SIM-3061</a>	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.	
	 <a href="#">SIM-3032</a>	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.	
	 <a href="#">SIM-3046</a>	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.	

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	<a href="#">SIM-3019</a>	Error when shifting operation to an alternative using the APS planning work center	Basic, Advanced, Professional	<a href="#">Import</a>	<a href="#">Script</a>	<a href="#">Interface</a>	Now you can shift an operation to an alternative that uses planning work centers via drag & drop in the Planner.	
	<a href="#">SIM-2949</a>	IS Production center   "Use simulation dates" function not understandable	Professional	<a href="#">Production-Center</a>	<a href="#">Release-test</a>	<a href="#">Workflow-Productionplanning</a>	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.	