

Agilent SLIMS  
6.9

## Software Release Bulletin (SRB)

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## How to use this document?

The Software Release Bulletin (SRB) contains information on software changes for one specific major release of SLIMS, grouped by minor release. Some software changes can be excluded for security or other reasons. This document was generated on: 17/Dec/2024

## SLIMS 6.9.21

### 1155207: Simplified Protocols in Workflows - Result blocks are lost when copying protocols

*Description:* When using the “copy” option to copy an existing simplified protocol in the Workflow Management module, the copied protocol does not have any Result blocks in it. Other types of blocks are copied

*Fix:* The result block is copied correctly in the new protocol.

### 1154763: Block Grid import does not work

*Description:* Not able to import values on protocol run step content using grid block.

*Fix:* The import button is not available.

### 1154426: Excel Import - Default Scalar unit prevents quantity from importing

*Description:* Fields with the default Scalar unit (whose abbreviation is just an empty space) are ignored during excel import. If you put a single space into the “unit” cell for the field or just leave it empty, SLIMS makes no attempt to fill the field at all.

*Fix:* possible to import a content with a value for a scalar quantity field by typing the amount and leaving empty or entering a space in the unit column.

### 1151770: Simplified workflow protocol: viewing multiple runs causes page to freeze

*Description:* When viewing runs in the runs module, viewing a few in a row resulted in the page to be blank and freeze.

*Fix:* It no longer freezes when we open several runs after each other. Runs module allows us to view multiple runs in succession

## 1150447: Sequences can't be called in scheduled jobs

*Description:* The `sequence.next()` method is available in the insert menu for scheduled jobs, but results in a null object error.

*Fix:* `sequence.next()` can be called with no error

## 1149807: Contents : inactivate products do not appear in the Product field dropdown to filter on

*Description:* Inactive products are hidden by default in the product field (`cntn_fk_product`) if trying to filter on it.

*Fix:* Inactive products are visible for the filters in the top of the grid and for the filters in the edit view window.

## 1145244: SLIMS login page is indexed by search engines

*Description:* SLIMS does not contain instructions for search engine robots, and publicly available login pages can be indexed and appear in search engine results.

*Fix:* Crawlers and bots are prevented from indexing SLIMS pages.

## 1139375: Safari users get pop up 'invalid JSON detected' when logging into SLIMS

*Description:* When using Safari, a warning pop-up window saying "Invalid JSON was reported, please contact Agilent support" appears. This message appears directly at login, and unfortunately it prevents the user from doing anything in SLIMS (i.e. the ELN folders and the contents are not accessible..).

*Fix:* No error appears at login.

## 1137658: SLIMS Rest: add location size defaults to 1x1

*Description:* When adding a location using `slimsrest`, if we don't specify the number of rows or columns, they default to 1x1.

In prior versions (6.9.9), the default used to be taken from the location type.

*Fix:* Locations created with SLIMS Rest default to the number of rows and columns set in the location type.

## 1129971: Macro: Slow performance if you show fields during execution and if you repeat macro with a lot of steps

*Description:* Opening a macro can take up to 1 minute when showing some fields during execution. The macro gets slower and slower until you refresh SLIMS.

*Fix:* Additional fields does not impact opening time.

## 1126121: Variant dropdown has fixed width

*Description:* The form to add a variant observation uses a fixed width dropdown for field Variant. It is not possible to change the width nor add more columns.

*Fix:* Width can be expanded.

## 1125916: ELN: missing attachments can cause ELN to crash

*Description:* When attachments images are missing from the repository, the ELN takes minutes to open when opening an experiment based on a protocol using these images. Blocking the system in the meantime.

*Fix:* ELN loads immediately

## 1121614: Using a guid direct link to a Content record displays just that one content, but does not highlight it

*Description:* Generating a link to a content, then clicking on that link, redirects to the content module and shows that content, but does not select it. Clicking on the Content is required to see its information.

*Fix:* The content associated with the link is selected.

## 1120868: License: Errors are not nicely displayed for Emergency License and token is not trimmed.

*Description:* When entering an emergency license, in case of an incorrect token is used, the error message is not user friendly. In addition, if the token contains trailing space or newline characters, it is considered as incorrect while it should not.

*Fix:* The error message that is displayed on an invalid license is now human readable The key is trimmed on leading and trailing spaces

## 1119152: Macro: Entering rich text in macro clears other custom field

*Description:* When a running a macro with an edit content step, when updating a rich text field of the content, all other fields (except quantity ones) are cleared.

*Fix:* The previously entered data is not erased.

## 1086860: Content : Container type dropdown is hidden when editing multiple contents

*Description:* It is not possible to select a container type when editing multiple contents at once, either with the edit content action or within an edit content macro step. The container type dropdown does not appear and you cannot select a new value.

*Fix:* Fixed for macros and multi-edit actions.

## SLIMS 6.9.20

### 1149695: SLIMS Logs - ContentDao missing update/add time line when not done in form

*Description:* The logs are not showing the “time taken” entry when doing a save/create operation from a macro or from “Selection > edit”

*Fix:* Log with update time now also appears when doing an update from somewhere else than the form itself (like edit content macro, or multi selection edit).

### 1148640: fetchContentFamily() much slower on MariaDB than MySQL

*Description:* fetchContentFamily() that takes less than 1 second on the MySQL instance, but will take 18-20 seconds on the MariaDB instance.

*Fix:* The -Dslims.mysql.disableRecursiveQueries=true flag in the SLIMS startup options then no query is performed to test whether the DB supports recursive queries

The flag is mentioned in the installation manual.

### 1146412: Rules: Compare results rules are not working

*Description:* In 6.9 the compare results are not working anymore when you have a derived content order evaluating both results of the same test.

*Fix:* Result can be saved

### 1143579: Orders: Copy order group gives wrong time in time field

*Description:* Copying an order group by right clicking in order grid causes time field value to be copied with 1 hour less than the original value.

*Fix:* Time field is correct in copied order.

### 1143406: ELN: Default protocol first step is not selected when stepping into a run

*Description:* In ELN when stepping into a run of a default protocol, the first step is not selected. It works fine when opening the run on creation, just not for existing runs

*Fix:* First step is now selected.

### 1142166: Grids: dynamic choice result values display by pk instead of name

*Description:* Having a result data type of dynamic choice, result values displayed in a grid are displayed by PK rather than by the configured display field.

*Fix:* Dynamic choice result values in grids are now correctly displayed according to the configured display field.

## **1141443: Workflow queues: scrolling too fast stops records from loading**

*Description:* In the workflow queue, when scrolling through the list of queue elements, scrolling faster than the records load get to a blank grid, then the grid will never load.

*Fix:* Grid correctly loads

## **1137800: Admin manual : Runs chapter is missing from TOC**

*Description:* With reorganization around 6.9 manual, a chapter id changed but wasn't updated in the TOC, so Runs module doesn't get included.

*Fix:* the Runs section is now in the manual

## **1129022: Impossible to get slimsgate logs from rest**

*Description:* The endpoint for getting slims and slimsrest logs fails when used for /slimsgate (slimsrest/logs/slimsgate/)

*Fix:* slimsgate logs can be retrieved via rest.

## **1126342: Workflow : Vertical window position in a subsequent simplified protocol is based on the window position when the previous protocol was completed**

*Description:* With two simplified protocols in a given requestable, if Protocol 1 has enough blocks to require scrolling down to see the last block, Protocol 2 will open in a similar window position instead of opening at the top of the block list.

*Fix:* Both in Simplified ELN and Simplified Workflows, SLIMS now scroll to the top when starting a new run, or when switching to another run

## **1111197: QC by card : Wrong card selected after draft report generation.**

*Description:* After generating a draft report off a QC card, on the refresh of the window, a random QC card is selected instead of the originally selected one

*Fix:* For both cases, where records > page size & records <= page size, after report generation the originally selected record is selected again.

## **1097914: Fields : Conditional field on second derivatives is shown event when condition for display is not met**

*Description:* Fields configured to propagate to derivatives and appear conditionally based off a check box field appear on every 2nd level derivative/child content regardless of if the conditional setting is met.

*Fix:* The conditional visibility now properly applies to all levels of the derivation/propagation tree.



## **1095661: Content : Multi Edit pop up remains empty and doesn't load the fields**

*Description:* When editing from the Content module on multiple contents, the pop up window just remains empty.

*Fix:* No NPE is thrown anymore when multi editing content after inactivating a conditional checkbox field.

## **SLIMS 6.9.19**

### **1142536: Upgrading from 6.8 to 6.9 does not update usage of reagents xrsc of simplified protocols' ad hoc block**

*Description:* When upgrading from 6.8 to 6.9, all contents linked in a simplified protocol ad hoc link-reagents step won't be displayed after the upgrade

*Fix:* Only fixed for 6.8 to 6.9 upgrade, for 6.9 to 6.9 upgrade, see issue 1147881

### **1141653: Orders: OrderContent grids cannot be loaded with status restriction**

*Description:* When restricting any status to some roles, Order grids do not load anymore for the roles that doesn't have access to a Status.

*Fix:* OrderContent grids now load again with status restrictions on role.

### **1139910: SLIMS GATE: certain plugins are broken because of a camel upgrade**

*Description:* SLIMS GATE: certain plugins are broken because of a camel upgrade. This causes SLIMS GATE to not work

*Fix:* Plugins are not broken anymore, SLIMS GATE works again

### **1129973: Value expression of conditional fields is not evaluated when created from a plugin**

*Description:* When a field is 'shown only' if another is checked, then it won't be evaluated when creating a content via a plugin.

*Fix:* In the content created, the short text CF has the default value defined by the Value Expression.

## 1128815: Checking off results as Action Block input doesn't work

*Description:* When setting up an action block with: A Result block as the "Input block" A flow with the option "Requires manual selection" set to true The action button in the run remains permanently grayed out, and does not become clickable when a result has been selected.

*Fix:* The flow button becomes clickable when the result has been checked off.

## 1127816: Reference Data: Copy Reference Data Record is not working

*Description:* It is not possible to copy a reference data record. The pop up doesn't show up

*Fix:* The copy form opens and reference data record can be copied.

## SLIMS 6.9.18

### 1121353: Groovy : Logs do not appear in slims.log

*Description:* Groovy logging does not log to slims.log.

*Fix:* The logging is in slims.log

### 1114559: Remote Daemon always logs port 8999

*Description:* After changing the port on which the slimsgate remote daemon runs, it still shows port 8999 in the logs.

*Fix:* Logs use the port it's booting up with

### 1113462: SLIMS complains immediately when something is wrong with licensing

*Description:* SLIMS complains immediately when something is wrong with licensing. It should not complain the first 24h, as the issue auto resolves in a lot of cases after 24h.

*Fix:* When stuff is going wrong in this first day, SLIMS do not complain

### 1111293: CLL: Service shutdown return the licenses and request them right after

*Description:* When stopping the service (Tomcat) licenses are returned, but features are requested again right after. This results in licenses not well returned and still being seen as taken from CLL

*Fix:* Licenses are returned and not requested after tomcat service shutdown

## 1110143: Jump in sequences

*Description:* In a load balanced environment, there can be holes in sequence with jumps in sequence values

*Fix:* For newly created sequences post-fix, "FLUSH TABLES;" will not lead to a sequence jump to the next 1000. The sequence will be correctly incremented with 1.

## 1109547: Plugin: Trouble loading plugins after 6.9.16 upgrade

*Description:* Plugins with configuration file don't work anymore after upgrade from 6.9.13.1 to 6.9.16. Restarting (or re-adding) throws an error.

*Fix:* Plugin loaded successfully.

## 1101684: Reference data: Submodule icon cannot be changed afterwards

*Description:* After creation of the reference data submodule and setting its icon, it is not possible to change the icon afterwards.

*Fix:* Icon can be updated.

## 1095198: iLab Plugin: Order duplicated

*Description:* iLab Plugin sometimes sync the same order multiple times into SLIMS, causing duplicated orders in SLIMS.

*Fix:* Order is no more duplicated.

## 1091793: Fields : Target Reference Data Type of a Dynamic Choice with target table "Reference Data" can be changed

*Description:* When you have a Dynamic Choice Field with target table Reference Data, it is possible to change the Reference Data Type after creation of the field.

*Fix:* Target reference data type of a dynamic choice custom field with target table "Reference data" cannot be changed after field creation.

## 1082246: Reports : Unit incorrectly displayed in Jasper report

*Description:* When generating a report (Jasper) in SLIMS the unit is displayed as g/l instead of ?g/l when the  $\mu$  is used for ? the symbol

*Fix:* Unit is now displayed in ?l

## **1073408: Administration manual : Grouping of flat field needs clarification**

*Description:* Administration manual mentions that flat fields cannot be selected in the “group by” option in grid templates, but does not mention that grouping in views is supported.

*Fix:* Manual was updated

## **SLIMS 6.9.17**

## **1128732: Views cannot be edited, (in)activated or created using view buttons when in the ELN module.**

*Description:* Views cannot be edited, (in)activated or created using view buttons when in the ELN module.

*Fix:* Views can now be edited again.

## **1110713: ELN: General menu (refresh, export, print) does not work**

*Description:* In the ELN, Refresh/Print/Export/... (any action from the general menu) does not work

*Fix:* ELN: General menu (refresh, export, print) now works again

## **1108813: Dynamic choice field displays values from previously selected content**

*Description:* In the content module, after searching and displaying a content having a dynamic choice field with some values, searching and displaying another content having dynamic choice field empty, SLIMS frequently shows the dynamic choice field values from the first content.

*Fix:* We now always see the correct field values for the selected content.

## **1108178: Location detail: Not possible to drag and drop to other position**

*Description:* It's not possible to drag and drop a sample in the location detail. An error pops up.

*Fix:* Drag and drop of location details to other position is now possible.

## **1107281: Triggering a plugin during another plugin execution can fail**

*Description:* In some conditions, when a plugin triggers another plugin (for instance, a plugin creates a content, and content creation triggers another plugin) the second plugin is not executed

*Fix:* Triggering a plugin during another plugin execution now works fine.

## 1097754: ELN: Display of the filtered run in Content is shown in ELN

*Description:* When clicking on “by project” in the Content to link content to the ELN and then switch back to ELN, you will see the filtered run details instead of the active one in the ELN

*Fix:* The details of the active link content step are now shown.

## 1096860: Reference Data Record : Copy and update rich text field updates the value of the original record

*Description:* When updating a rich text field during a copy action on a reference data record, clicking out of the box before creating the copy saves the new value on the original record as well.

*Fix:* Rich text fields cannot be changed when copying.

## 1096147: Flags: Flags are slowing down ExperimentRunStepContent grid

*Description:* In a protocol run the default view in Content tab is very slow when some flags are defined.

*Fix:* During enriching, contentEventRecords are now not fetched in case there are no active content event types.

## 1038232: Version button in protocols remains orange even after versioning the changes

*Description:* The version button for protocols in a workflow remains orange indicating changes exist, even after versioning the workflow/protocol.

*Fix:* Versioning button now correctly becomes grey after versioning the protocol.

## 1095663: Groovy : MoveContentsService.move does not preserve the order of the contents

*Description:* The move method of the MoveContentsService does not preserve the order of the contents.

*Fix:* The move method of the MoveContentsService preserves the order of the contents.

## 1092968: Fluent groovy: fetching parents of content on creation does not work

*Description:* When creating (deriving) a content and try to fetch its parents, the following fluent groovy returns nothing:

```
originalContents = content.retrieve().allParents().getAll();
```

After the content is created and saved, then it will work.

*Fix:* allParents() fluent groovy now correctly returns the parents upon content derivation.

## **1092624: Label printing: the print label action is not visible on orders with an uneditable status**

*Description:* Label printing: the print label action is not visible on orders with an uneditable status

*Fix:* Label printing: the print label action is now visible on orders with an uneditable status

## **1089461: Excel: Importing a field which you cannot update gives unclear error**

*Description:* When trying to import an excel file to update a field which your role is not allowed too update, you get an unclear error "errorFieldUpdateNotAllowed": Update of field "{0}" is not allowed." instead of the name of the field that cannot be updated.

*Fix:* The error message now correctly shows the field causing the error.

## **1043315: Fields : Value expression of datefield is triggered too soon**

*Description:* When typing in a value in a date field, the value expression calculation can be triggered to soon when the user type in slowly. For instance, when typing 180, calculation may be triggered with 1 or 18

*Fix:* The date and the quantity recalculate correctly.

## **SLIMS 6.9.15.1**

## **1128732: Views cannot be edited, (in)activated or created using view buttons when in the ELN module.**

*Description:* Views cannot be edited, (in)activated or created using view buttons when in the ELN module.

*Fix:* Views can now be edited again.

## **1110713: ELN: General menu (refresh, export, print) does not work**

*Description:* In the ELN, Refresh/Print/Export/... (any action from the general menu) does not work

*Fix:* ELN: General menu (refresh, export, print) now works again

## SLIMS 6.9.16

### **1094346: Studies: Values are seemingly empty when sorting on multiple values field**

*Description:* When sorting studies in the view, some fields of the study appear empty in the detail panel.

*Fix:* All fields are displayed in the detail panel.

### **1092821: Printers: Printmate printers are not working**

*Description:* After creating a printer of type printmate and stated a value for the driver folder, the error "The route throws an error on the "{" character" is thrown when starting slimsgate

*Fix:* Printmate printer routes are now starting correctly again when starting SLIMS GATE

### **1088688: Plugins: the configuration for newly created plugin sets sometimes does not populate**

*Description:* Plugins: the configuration for newly created plugin sets sometimes does not populate. This is the case when the initial configuration is empty.

*Fix:* The plugin default configuration now populates when adding the plugin (in case no initial config). Additionally, when updating the plugin, the current configuration (which may deviate from default config) is being kept.

### **1088387: Fields: Warning during field creation**

*Description:* During field creation, a "Criteria for field seed are not supported" warning message is displayed

*Fix:* No warning is displayed.

### **1086719: ELN: Re-Opening ELN steps are not allowed if an Expired Reagent was Previously Used in the Step**

*Description:* When an ELN step has an expired reagent previously linked to it, then re-opening the step or editing the step is not possible when the "allow linking of expired reagents" is turned off.

*Fix:* It is possible to reopen a step containing an expired reagent It is not possible to close this step again (the expiration policy still runs)

## SLIMS 6.9.15

### 1097753: ELN: Closing a step triggers closing event multiple times

*Description:* When using the “by project” filter in the Content module, duplicated events on experiment runs steps are shown in the ELN. It also shows multiple sign off windows, multiple value expression executions and triggers concurrent change error as it updates the experiment run step content multiple times.

*Fix:* No more concurrent change error appears when closing the step.

### 1096558: Results: N/A value doesn't count as a filled in value

*Description:* When filling in a result with N/A , the result is no longer moved to status verified.

*Fix:* Result goes to status verified

### 1094832: ELN: Editing the project name at ELN tree level is sometimes not possible

*Description:* It is not possible to go in Edit mode in the ELN tree to update the name of an experiment or a project or a run.

*Fix:* It is now possible again to update the name of an experiment or a project or a run.

### 1091922: Scan: Content view is reloaded when you execute a macro

*Description:* Macro execution can be very slow when there is “slow” filter open in the Content module

*Fix:* Only one content grid refresh occurs at end of macro instead of at end of each step.

### 1090299: Installation manual: Content overlap in the SLIMS Kit initialization

*Description:* The “SLIMS Kit initialization” section of the installation manual contains unwanted data from the “Obtaining SLIMS properties” section, causing display of a table with overlapping cells.

*Fix:* No more overlap in manual.

### 1089752: Worklists: Cannot fill in first result in a woklist

*Description:* It's not possible anymore to fill in the result of the first value of a woklist.

*Fix:* Result values in woklist can be changed



## **1084590: Password change and license expiration pop-ups conflict**

*Description:* When a warning message about SLIMS license about to expire appears at the same time the change password is displayed to the user, the license warning pop-up appears in front of the password change one, but it is impossible to close it, making password change impossible

*Fix:* Warning popup can be closed, allowing password change.

## **1082728: Contents : Not possible to derive sample on conditional required field**

*Description:* When a required field is conditionally based on another checkbox field, it is not possible to use the derive action.

*Fix:* Derive action is now possible

## **1080483: Contents : Whitespace in Content tabs**

*Description:* When removing the Detail tab from a content, there is annoying whitespace in the other tabs after refreshing SLIMS

*Fix:* There no more whitespace in the other tabs

## **1078019: Upgrade: WarFileName does not work**

*Description:* Specifying a warFileName in the properties before building a SLIMS kit does not work, and a "file not specified" error appears in the logs

*Fix:* Specifying war file names is now working.

## **1077081: Results : Import fails when Result data type is dynamic choice**

*Description:* When a result is set to dynamic choice, the basic excel import/export says that the result is not unique.

*Fix:* Import does not fail anymore.

## **1074114: Macro: SLIMS GATE flow in macro does not refresh anything**

*Description:* Macro: SLIMS GATE flow in macro does not refresh anything

*Fix:* The macro step is now refreshed after completion on the flow

## **1073407: Label printing: issue with label template with an error**

*Description:* Printer jobs based on label templates that contain an error keep getting processed, causing a busy SLIMS server and a lot of logging

*Fix:* Printer jobs with an error go to status 'Error' and are no longer processed

## **1071225: NGS: Mix used in other mix can give an unclear error message in an NGS run**

*Description:* When using a mix into another mix in a NGS execution run, a cryptic “duplicate key” error message is shown when trying to run a NGS execution run. Error message is expected, but its content is not user friendly.

*Fix:* No error message appears.

## **1070245: Orders: cannot create content within order when OrderContent has N/A Fields**

*Description:* It is impossible to create content within an order (using the “+” button) when a field on OrderContent table has “can be N/A” set to true.

*Fix:* Pop-up appears to create new content.

## **1067026: Workflow : Aggregated method updates rslt\_value every time the rslt\_value of a single aggregating result is updated**

*Description:* When using aggregated method in SLIMS to calculate i.e. mean, max, etc. for a repetition of results, it is observed that the rslt\_value of the aggregated method is updated every time when the rslt\_value of any of its aggregating method is updated.

*Fix:* Calculation occurs only once for multiple results

## **1055920: Fields: Console logging for value expressions don't appear after logging configuration change**

*Description:* Console logging for value expressions stops working after tomcat logging settings are changed (update of log4j2.xml).

*Fix:* Logging appears in the console window

## **1052988: Slims Share : impossible to export when the file is using Japanese characters**

*Description:* It is impossible to export a package when the file name contains Japanese characters

*Fix:* Can now correctly download a slims share package with japanese characters filename.

## **1052348: Content : New content form does not load fields if you have a lot of fields restricted by category**

*Description:* When there are more fields restricted on category than on content type, the “new content” form doesn't load the fields after selecting the content type.

*Fix:* The expected fields are now shown.

## 1051744: Adding or modifying lots of results is slow

*Description:* Adding or modifying lots of results is slow

*Fix:* Adding or modifying lots of results is now faster

## 1043151: Simplified ELN : Print does not use the correct timezone

*Description:* When printing an experiment, times in the fields "Created on", "Last modified on" and "Completed on" are always displayed in UTC time zone

*Fix:* Timezone is correct when printing.

## 1034035: Results : Value expression sequence does not work as configured

*Description:* Value expression sequence does not work as configured on result record

*Fix:* Value expression sequence works as expected.

## 990616: Import store package failed trying to remove read only existing value

*Description:* When importing package "Inventory as content", the field volume is required and contains some dependencies in the package. If there is an existing volume field with lower limit set up (e.g. 0), the package import fails with error that field lower limit is not allowed to update.

*Fix:* Package value is ignored if the package value is null

## SLIMS 6.9.14

### 1076227: QC Graph card does not correctly display Japanese characters in title.

*Description:* QC Graph card does not correctly display Japanese characters in title.

*Fix:* QC Graph card now correctly displays Japanese characters in title.

### 1075876: Orders : Cannot see what content is in an order

*Description:* In some conditions when selecting some orders in order management, a "java.util.AbstractList\$RandomAccessSubList" error message is displayed.

*Fix:* The error about the RandomAccessSubList does not occur anymore

## 1075732: ELN Note block: error appears constantly when typing

*Description:* ELN Note block: error appears constantly when typing

*Fix:* The error no longer appears

## 1075094: Attachment : ``Invalid JSON was detected" when uploading an attachment

*Description:* An error dialog pops up saying "Invalid JSON was detected. Please contact Agilent support" appear when trying to add a new attachment in the attachments module.

*Fix:* No more error dialog is displayed.

## 1074287: ELN: Open ELN Link does not display ELN record

*Description:* When following a SLIMS ELN link, the ELN module opens but the ELN record is only displayed for a second before being replaced by the display of the project details.

*Fix:* The focus stays on the opened ELN record, and shows its details.

## 1073032: ELN: In link content block, the pop up loading data and Linking content is slow

*Description:* When there is a lot of content records (several thousands) linking content through a link content block can be very long,

*Fix:* ChangelogMaster#inheritSecurity is now only called in case record group or user is changed in the update. So the update due to linking the content in the ELN link content block will not call ChangelogMaster#inheritSecurity anymore which was the cause of the slowness.

## 1072873: Workflow: Link Content Block unable to unlink contents in the queue

*Description:* In a simplified workflow protocol, it is impossible to unlink a content from a run when it has been linked from the link content block

*Fix:* It is now possible to requeue from a link content block in workflows, unlinking is not possible

## 1070982: Rich Text datatype occasionally displays a ``truncated data" error message

*Description:* In some conditions the rich text datatype shows an error message about data being truncated in the change log entry table

*Fix:* The truncated error message no longer appears.

## **1069928: Results: History is wrong and filler is being updated**

*Description:* It is possible to update a result, changing status and filler, when a filler which is not the current logged user is defined.

*Fix:* The result is still in status pending and filler does not change.

## **1065247: QC Order: Specifications to be checked can be changed after scheduling**

*Description:* After scheduling a QC order, the "specifications to be checked" field can still be edited. By removing the specs and reading them, the newest version will be linked, while the actual result evaluations happen at the version at the moment it was scheduled.

*Fix:* Specifications to be checked cannot be changed after order scheduling.

## **1064524: Worklists: Predefined QC rows have no content type and cannot be removed**

*Description:* When a worklist template has predefined rows, they cannot be removed and are shown completely blank.

*Fix:* All values are filled in correctly and the row can be removed

## **1063552: History: loading history for certain modules can time out**

*Description:* History: loading history for certain modules can time out

*Fix:* Loading history no longer times out

## **1063102: Link Content : Empty changes are saved endlessly**

*Description:* When inline editing a content in a link content grid in a default or simplified protocol the changes, if empty, endlessly save.

*Fix:* - no message is shown. - back and next buttons are enabled.

## **1062468: Simplified Protocols : Empty grid templates sometimes don't populate until exiting and re-entering run**

*Description:* Grid templates starting from Content filtered to "Context: linked in current protocol run" which are empty on step start remain empty after contents are linked to the run, even after "small refreshes" on the grid template block.

If you alter the filters so that there is at least one content in the block when the step starts, and then link additional content to the run, "small refreshes" on the block will show these new rows. It is only if the grid template block is displaying no rows when you enter the run.

*Fix:* After linking content in the reagent block, upon refresh of the grid template, the linked content now correctly appears in the grid template block.

## **1061023: Plugin : ConvertRecordService has result value not internalized if rslt\_fk\_test is not a PK**

*Description:* In plugin, when using ConvertRecordService to create / update a result, with rslt\_fk\_test set to test name (and not the test PK) and rslt\_value set to any value, the rslt\_fk\_test is correctly converted to the PK of the test while the rslt\_value is not taken into account and is not in the output map.

*Fix:* rslt\_fk\_test is internalized correctly, the name is replaced by the PK.

## **1060421: R : SLIMS generates CSV files not in UTF-8 format**

*Description:* When SLIMS generates a CSV file to be used in an R script, the file is not in UTF-8 format. This leads to problems when trying to work with the ?C symbol in R (among others)

*Fix:* The CSV file is in UTF-8.

## **1057499: SLIMS-R : locale and charset should have reasonable default values**

*Description:* SLIMS-R - locale and charset should have reasonable default values

*Fix:* Default Java locale and charset are English and UTF-8

## **1056640: QC Module: QC by Card: Plot Not Properly Displayed**

*Description:* QC by card sometimes displays correctly, sometimes it does not show up (even after refresh entire SLIMS)

*Fix:* Plot only appears for QC cards with an associated report template

## **1055916: Layouts: not possible to change layout as readonly role**

*Description:* It's not possible for a read only role user to change his layout. There is also no way to assign a layout to a user as an admin. You can only use "enforce" to give all users of that role the same layout.

*Fix:* Readonly user can switch layouts

## **1054920: Localization: Japanese translation is missing in Add Sequencing settings dialog**

*Description:* There are untranslated strings in Add Sequencing settings dialog

*Fix:* All strings in the Add sequencing settings dialog are properly translate in Japanese.

## **1053658: Groovy : Result of daoHelper.fetch() cannot be used in email() parameters**

*Description:* It is not possible to use the result `daoHelper.fetch()` in the parameters of the `email()` method because it is kept as “MapWithRetrieve” instead of “Map”, causing a `NotSerializableException`.

*Fix:* It is now possible to send a mail with some fetched entities in a map included.

## **1051743: Performance : On cloud instances, import runs slowly because of logging**

*Description:* When SLIMS is generating a log of logging (due to some other SLIMS activity), the import of results is much slower than usually.

*Fix:* Logging does not have impact on performance anymore

## **1051648: Groovy : Code advice suggest deprecated method**

*Description:* The advice for `NoActiveUserFoundException` suggest to use the deprecated method `ActiveUser.set()` to set a user.

*Fix:* Correct `ActiveUser.runAsActiveUser(...)` appears in stacktrace.

## **1045851: Attachment : Adding certain images to a field causes an error**

*Description:* For some attachments, a warning popup “Server returned FAILURE with no error message performing operation custom” is shown because the image cannot be previewed. A `NoSuchElementException` appears in the logs.

*Fix:* Images can successfully be uploaded and attached

## **1044150: Workflow : Mix grid sub-view is not editable**

*Description:* Workflow : Mix grid sub-view is not editable

*Fix:* Grid Sub-View can be modified

## **1043333: Groovy : DataSourceCache contains wrong entries if formula field is defined in datasource file**

*Description:* When using Fluent API, `DataSourceCache` contains wrong entries if formula field is defined in datasource file

*Fix:* The `FluentExperimentStepQueries` correctly appears in the logs

## 1031134: Result: Filling in a result in a run step, does not update the status to Verified

*Description:* When filling a result in a experiment run step, in some conditions the status does not move to verified and stays in pending.

*Fix:* The status now moves to Verified when needed.

## 1029995: QC Template : Results for analyte group don't show up in QC Card

*Description:* When creating a Default Custom QC template for a test which requires an analyte, it is possible to select an analyte group in the drop down list, but then result for analytes part of this group won't show up in the QC.

*Fix:* The result for analytes shows up on the QC card.

## 993815: Views : Match Any criteria fails for workflow queues

*Description:* "Match any" criteria fails when used in workflow queue, producing an unfiltered view.

*Fix:* See only contents that fulfill filter conditions

## 663036: SLIM REST documentation is too limited

*Description:* SLIM REST documentation is too limited. A few examples can be useful.

## SLIMS 6.9.13.1

## 1075876: Orders : Cannot see what content is in an order

*Description:* In some conditions when selecting some orders in order management, a "java.util.AbstractList\$RandomAccessS error message is displayed.

*Fix:* The error about the RandomAccessSubList does not occur anymore

## 1075732: ELN Note block: error appears constantly when typing

*Description:* ELN Note block: error appears constantly when typing

*Fix:* The error no longer appears



## 1075094: Attachment : ``Invalid JSON was detected" when uploading an attachment

*Description:* An error dialog pops up saying "Invalid JSON was detected. Please contact Agilent support" appear when trying to add a new attachment in the attachments module.

*Fix:* No more error dialog is displayed.

## SLIMS 6.9.13

### 1072382: Attachments: It is not possible to drop attachments into a note

*Description:* Attachments: It is not possible to drop attachments into a note

*Fix:* Attachments: It is now possible to drop attachments into a note

### 1070160: Views : Slow views with role restriction on a lot of content types and statuses

*Description:* Default view is long to load (about 20 seconds) when user role has restrictions on lot of content type and content status.

*Fix:* Default view is fast

### 1064617: ELN: Result Block can get stuck and keep loading after a block refresh

*Description:* In ELN result block, after entering a value and performing a block refresh, the block content can remain in "loading data" state.

*Fix:* The block is no longer stuck after refresh,

### 1062018: Workflow queue not reflecting accurate content count

*Description:* When contents are in a workflow queue, the number next to the queue in the workflow graph does not accurately reflect the number of contents in the grid. If a protocol run is created, the number of contents in the queue on the graph gets decremented, but the content stays in the grid on the right and shows the total count of contents, including the ones that are in a protocol run.

*Fix:* The displayed number is now correct.

### 1057864: Scheduled jobs: no fluent groovy possible

*Description:* When trying to fetch records in a Scheduled job using the "global" property, it outputs an error (groovy.lang.MissingPropertyException: No such property: global for class)

*Fix:* global property works.

## **1057278: QC Module: ``New" button on left section of QC by Template**

*Description:* In the left section of the QC by Template , the "new" button has no effect.

*Fix:* New button is visible

## **1056146: Macro: Lots of time spent fetching macro groovies**

*Description:* When running a macro on a instance with lots of fields, a lot of time is spent fetching and refetching the groovies for this macro

*Fix:* Caching is used to speed up groovies fetch

## **1055884: Groovy : Sequences.next returns null for label templates**

*Description:* Using sequences.next with label templates returns a null value and log the following error:

Error occurred in executing groovy label template DWP BC Labels java.lang.NullPointerException: Cannot invoke method next() on null object at org.codehaus.groovy.runtime.NullObject.invokeMethod(NullObject.java:91)

*Fix:* It does not return null.

## **1055923: Content: Creating record which is not applicable to your current filter in view gives issues**

*Description:* If you have specific filter in your view, the grid will try to find your newly created record and remove the filters to do this.

*Fix:* The default view is selected but only the newly created records show

## **1055922: Content : View with frozen columns and filter on location is null gives issues**

*Description:* When choosing the filter "location is null", the view popup window is sometimes not closed. After pressing a few times on the apply temporarily button, the grid tries to load but fails

*Fix:* Grid is correctly filtered on location is null

## **1055918: Content : Performance issue when updating a record having lots of derivations**

*Description:* Saving a content with a large derivation tree is slow

*Fix:* In case there are no changes, there now is no propagation to derivations.

## 1054705: Studies: Exported dynamic choice fields have empty values

*Description:* When exporting all Studies to Excel, the values of some fields are missing.

*Fix:* Column with a display value are correctly exported.

## 1054500: Localization: Japanese translation is truncated in progress dialog

*Description:* Button ?????????? (run in background) of In Progress dialog for file attachment progress is truncated.

*Fix:* Button is correctly displayed

## 1052517: Localization: Workflow graph buttons are truncated in Japanese

*Description:* In Japanese, in the workflow management module, display buttons on the left have their text truncated

*Fix:* Button text in Japanese now fits button size

## 1050338: Orders : Form loading gets slower when navigating through order types

*Description:* When there is a lot of custom fields on order, navigating through order types gradually makes the loading of the form slower.

*Fix:* Form is no more slow

## 1049830: InterActiveImportService : Not possible to add "Irrelevant" date

*Description:* When a imported file contains the "Irrelevant" entry, InteractiveImportService and is failing because the date "Irrelevant cannot be parsed" while it should be ignored.

*Fix:* Date with value Irrelevant is ignored

## 1049209: R report: Very slow generation of csv

*Description:* The csv generation of an R template, goes extremely slow on Results.

*Fix:* CSV export is much faster

## 1045047: Sign-off: Authentication "window" does not go away

*Description:* When closing a run step and the sign off authentication window opens with an external authentication log in window. After closing the "authentication is complete" window and returning to slims, this authentication box is still there.

*Fix:* The authentication box is no longer there.

## **1041683: SLIMS Share: Installed packages tab freezes**

*Description:* Clicking on the Installed packages tab doesn't do anything and it freezes. A Tomcat restart is needed to fix it.

*Fix:* The installed packages tab works as intended and no longer freezes

## **1041214: Order: Time fields are wrongly copied when using `Copy order group' or `copy order'**

*Description:* Copying an order group by right clicking in order grid causes time field value to be copied with -1H than original value. Copying an order using a single step 'copy order' macro, causes time field value to be copied with +1H than original value.

*Fix:* Time fields are always correctly copied.

## **1035735: Tests : The value expression of a record that requires a signature cannot be triggered by a record that does not require a signature**

*Description:* When a test which is not requiring a signature triggers a test which requires a signature, the second test is not triggered: it does not get updated and signature popup does not pop up.

*Fix:* Test is updated and electronic signature popup is shown

## **1035411: Orders : It takes a long time to load Content in an Order**

*Description:* The content grid in the Orders module is extremely slow (more than a minute) to load when it contains a lot (3000 for instance) entries

*Fix:* It takes a few seconds to load the content grid

## **1035073: Login : History records are not always created for log in or log out events**

*Description:* History login and logout events are sometimes missing: the automatic logout doesn't create the event, or an account stays logged in forever and does not have login events created.

*Fix:* Automatic logout creates event

## **1033082: Customer Order Portal : CSS stylesheet file is missing**

*Description:* Missing plugin stylesheet may lead to un-user-friendly view on webpage. Logs show "PortalRenderer - Could not find a plugin stylesheet '/styles/styles.css'" info message.

*Fix:* Forms are now wider

## **1033079: Customer Order Portal: Update Order button always gives an error**

*Description:* Update order in portal is not possible, the "Could not update order:errorConcurrentChangeDetected" error is always raised.

*Fix:* Updating an order is possible

## **1033077: Customer Order Portal: an error shows when adding Dynamic Choice Field into portal**

*Description:* Customer Order Portal: an error shows when adding Dynamic Choice Field with multiple values into the portal

*Fix:* The error no longer appears

## **1031393: ELN: Result Block Views sorting does not work after refresh**

*Description:* Sorting in the view of result block in ELN is not working as expected after refresh.

*Fix:* Sorting works after refresh.

## **1030101: QC : No filter is working**

*Description:* In the QC module, adding a view is possible but no filter is working.

*Fix:* Filter value is set and the filter is applied

## **1028457: Content types: unable to excel import content types to a specific category**

*Description:* Importing content types in a category that is not default fails.

*Fix:* Content type is imported in selected category

## **1026939: Simplified ELN : plugin with "simplified" usage does not show in "Link content" block**

*Description:* There is no way to have a SLIMSGate flow showing on a link content block in a simplified protocol in workflow.

*Fix:* Flow appears in simplified workflow.

## **993819: Sample Scheduler: Empty value overwrites sequence field**

*Description:* Values not filled in a sequence overwrite default values when sequence is submitted to the sample scheduler,

*Fix:* Not defined values (empty parameter) no longer overwrite existing (filled) parameters of the rolled out

sequence.

## **988280: Orders : Grid is not refreshed after going to status content received**

*Description:* Using the action or macro to move an order to content received, the grid is not updated.

*Fix:* Order grid is refreshed automatically

## **969747: Studies: Duplicates in export to excel**

*Description:* When exporting studies to excel from study module, some lines are duplicated in generated file.

*Fix:* The lines are no longer duplicated

## **SLIMS 6.9.12**

## **1053257: SLIMS Share: Error when importing cannabis\_complete\_workflow package**

*Description:* An ErrorUpdateAmountField exception is raised when trying to import the cannabis\_complete\_workflow package

*Fix:* Importing the cannabis\_complete\_workflow package now works.

## **1043407: Python: Fetching a lot of records returns EmptyDisplayField error in some cases.**

*Description:* Doing large fetches on records with multiple dynamic choice fields causes an EmptyDisplayField error to be thrown.

*Fix:* The records are now correctly shown.

## **1043361: Excel import: Slow performance when importing a huge file**

*Description:* When importing a large Excel file, it takes a long time to finish the import.

*Fix:* Excel imports with big files are now faster.

## 1039823: Upgrade: Upgrade script for 6.8 fails when the count of cnrd\_fk\_status fields is not zero

*Description:* The SLIMS 6.8 upgrade script fails with lots of exceptions (BeanCreationException, LiquibaseException, MigrationFailedException, DatabaseException, SQLIntegrityConstraintViolationException, ...) in the SLIMS logs when the count of cnrd\_fk\_status fields is not zero.

*Fix:* The upgrade script for 6.8 works in this case.

## 1039768: REST API: Attachments are reachable without access rights

*Description:* Using the REST API it is possible to download documents to which the user should not have access due to access rights limitations.

*Fix:* Only attachments where the user has access to can be downloaded, using the REST API

## 1039264: Worklists: Issue with new worklist

*Description:* After adding/moving an order to the new worklist, the Order is not removed from the worklist selection. The Test columns are also not available when working in the worklist

*Fix:* The order is removed from the worklist selection, when added to the new worklist. The test columns are now visible when working in the worklist.

## 1033809: SLIMS Share: Cannot export container types with "Additional location type"

*Description:* When trying to export container type records using SLIMS share, if the container type has restrictions on "Additional location types", then the container type cannot be exported successfully (a json file with 0 KB will be generated) and errors shows in slims.log.

*Fix:* The export works as intended.

## 1032984: SLIMS Share: Unable to export macro having too many parameters

*Description:* Exporting a 'complex' macro (e.g. with > 40 content type restrictions) fails with the "The incoming request has too many parameters. The server supports a maximum of 2100 parameters. Reduce the number of parameters and resend the request." error. Only happens on MSSQL.

*Fix:* This error no longer appears.

## 1032738: Worklists: Move button is shown twice

*Description:* When selecting a record inside a worklist, the move button is shown twice.

*Fix:* Move button is only shown once.

## 1032481: Dashboard: Graph widgets do not show up after upgrade

*Description:* Graph widgets are not displayed on the dashboard after upgrade to 6.9.8.

*Fix:* The graph widgets are displayed.

## 1031648: Workflow: Hide used content in mix protocol step throws an error

*Description:* Checking the box 'Hide used content' in a protocol run step of type mix throws an 'could not resolve property: corl\_fk\_from.cntn\_pk of: com.genohm.slims.common.model.ContentRelation' error.

*Fix:* The error no longer appears.

## 1029489: Licenses: License is not returned after Tomcat shutdown

*Description:* When tomcat is shut down, the licence is not returned, causing the original server not being able to request a license when its db has been copied to another server.

*Fix:* When tomcat is shut down, the server license is returned.

## 1028910: Report templates: draft generation count gets copied on new versions

*Description:* When a report template is versioned, the generation count of its draft is copied to the generation count of the new version.

*Fix:* The generation count is set to 0 after versioning

## 1028816: Triggers: SlimsFlowTriggerList can contain multiple identical entries

*Description:* When triggering a slims gate flow via a conditional value expression rule, the resulting slims-FlowTriggerList in the flow can contain identical entries more than once.

*Fix:* slimsFlowTriggerList can no longer contain duplicate entries.

## 1026614: Electronic signature: No signature box for signature required on Content Status

*Description:* When a content status is set with "an electronic Signature is required to edit records with this status" option turned on, trying to edit a content with that status in the Orders module shows a pop up saying "signature required" but no signature box pops up.

*Fix:* The signature box now appears



## **993061: Performance: Performance issues can occur for specific SLIMS setups**

*Description:* Performance issues may occur in cases where lots of entities are created and updated at the same time.

*Fix:* Added 30 general performance improvements when lots of entities are created and updated. Some of the improvements are related to analytical workflows with a lot of requests (lots of analytes), the rest are general performance improvements.

## **992690: Email templates: Cannot use "Sequences" method in "Email Template" template expression**

*Description:* "no such property" error occurs when using "Sequences" method in Email Template Expression even if there is the method in "insert" menu.

*Fix:* 'Sequences' can now be used.

## **991728: Orders: Error message when creating new order in specific cases**

*Description:* A error message pops up that order type is required. After confirming the popup, you can select your order type and create the order successfully. This only happens when lab setting 'Allow only one content record per order' is enabled.

*Fix:* The error message is no longer shown.

## **990597: Locations: In the Location detail tab, some actions do not work**

*Description:* In the Location detail tab, the action 'content link' does not work, as well as 'Link to picklist', 'Change parent', 'Workflow chain of custody' and 'view rule evaluations'.

*Fix:* The broken actions are now working again.

## **984146: SLIMS Store: Import package from store: it is sometimes not possible to reuse existing field s**

*Description:* When importing packages, it is not possible to reuse existing quantity fields with different units in same dimension.

*Fix:* It is now possible to reuse existing quantity fields with different units in same dimension.

## **979099: Widgets: Graph widget "Sort on" action has no effect**

*Description:* When creating a graph widget, nothing happens when clicking on the "Sort on" action in the Columns section of the Meta tab.

*Fix:* The 'Sort on' button now opens a pop-up, where sorting can be configured.

## 977837: Worklists: Cannot open a worklist

*Description:* It's not possible anymore to load certain worklists.

*Fix:* All worklist can now be opened again.

## 949752: SLIMS Store: CoA cannabis report cannot be run when cancelled/rejected results are present in the order

*Description:* When a order contains both verified/validated and cancelled results that are triggering the same specification, the CoA report cannot be created as the same title (specification) is used twice in the pie chart

*Fix:* If there is only one validated/verified result then the pie chart gets created. For customers that run duplo/triplo a warning in the User Documentation that the summary pie chart is limited to single results has been added.

## SLIMS 6.9.11

### 986623: Licenses: Concurrent licenses not freed up automatically with OpenID

*Description:* When a concurrent user logs in with OpenID and doesn't use the log out button, the concurrent license is not freed up after tomcat session timeout.

*Fix:* The concurrent license is released after a tomcat session timeout

### 961125: Content : Printed history data is incomplete

*Description:* When printing the content history, change column is empty in some rows

*Fix:* The printed history is now complete

## SLIMS 6.9.10

### 1042216: ELN : When running Mix content macro from action block, some content is not included in the mix

*Description:* Some ingredients in a mix can be lost when performing macro to mix contents from an action block in the ELN. Derivation tree and History don't show all contents selected for the mix. This is caused by an incorrect behaviour of the selection. When macro is run from the drop down selection on top, no issue occurs.

*Fix:* The selection of ingredients now works correctly and includes all selected ingredients in a mix.

## **1030304: Electronic signature and Plugins: Plugin cannot update a result requiring signature on modification**

*Description:* A SLIMS Gate flow that updates a result in status 'Verified', requiring a signature on modification fails, and no signature popup is displayed.

*Fix:* SLIMS Gate flows that requires e-signatures during a step that requires a file upload can now correctly be signed.

## **1025830: Plugins: Plugin set with vaadin plugin does not work and requires a file upon trying to save**

*Description:* When importing a vaadin plugin via a plugin set, when trying to save afterwards it throws an error on the lack of file in the plugin.

*Fix:* A plugin set including a Vaadin plugin can now be uploaded and edited (in the plugin configuration) afterwards.

## **993813: Results: N/A result can be removed unexpectedly**

*Description:* When setting a result for a test of data type date (that can be N/A), results of other tests set to N/A can get removed.

*Fix:* Other results no longer get removed in this case.

## **991184: Simplified Protocol: Required extra content is not validated**

*Description:* In a simplified protocol having a link content block with required extra content types, running the protocol without linking required content types works while it should not be allowed.

*Fix:* It is now no longer possible to run the protocol in this scenario.

## **989876: Sequences: It is not possible to use a SLIMS sequence of type GROOVY in the generation of barcode with DB sequences**

*Description:* SLIMS sequences of type value expression cannot be used in the generation of barcode when SLIMS uses DB sequences (JVM argument `slims.usedatabasesequences = true`)

*Fix:* When using JVM argument `slims.usedatabasesequences = true` SLIMS now allows to use sequences of type groovy to be used to generate a barcode for a record (like content, order, result). The type of the sequence is not changed from groovy to barcode.

## **989141: Macros: Inactive Label Templates are selectable**

*Description:* When a print labels action step is used in a macro, active and inactive label templates appear in the selection dropdown.

*Fix:* Inactive label templates can no longer be selected.

## **988875: Reports: XML Generation show PKs instead of record name for dynamic choice multiple values**

*Description:* When generating an XML file (for Jasper Reports) that includes a dynamic choice field with multiple values enabled, the record PKs are listed for that field instead of record names.

*Fix:* The record names are now shown, instead of the PKs

## **985012: Fields: Date Difference fields require an extra save to evaluate**

*Description:* Date Difference fields only evaluate on a second save if one of the targeted fields is changed.

*Fix:* Date difference fields are now accurate on a single save.

## **983367: Results: Removing all values of a multiple values fixed choice does not change status**

*Description:* When removing all result values of a multiple values fixed choice, status does not change from verified to pending

*Fix:* Result status now goes to pending in this scenario.

## **983104: Workflow: Cannot remove usage of reagent when its status requires a signature to edit it**

*Description:* In a default protocol, in a link reagent step, it is not possible to remove a usage if the status of the reagent requires an e-signature on edit.

*Fix:* see 979088

## **982535: User: filtering history on a specific user raises a HTTP 502 error**

*Description:* in User or Test modules, when trying to filter history on a specific user an HTTP 502 error is raised

*Fix:* Filtered history events show up for a specific user and no longer cause a timeout error.

## **979088: Reagents: Default Usage removal throws error when status of linked reagent requires signature for updates/edits**

*Description:* In Link Reagent step, removing a reagent usage causes a warning message when status of linked reagent requires signature for updates or edits.

*Fix:* The usage can now be removed.

## **973874: Macro: content created in `Create Content' macro step are not linked to protocol run step.**

*Description:* The contents created in a 'Create Content' macro step with 'Output content to block'=true are not linked to the protocol run step of the workflow run

*Fix:* The content created in the 'Create content' macro step are created AND linked to the protocol run step.

## **970812: Macro: NA value is saved in macro configuration after disabling NA in the field**

*Description:* When a macro is designed to set "NA" for a field (which can be NA) and when this field is later updated to disable the "can be NA" option, running the macro hiddenly sets the field to NA

*Fix:* The field is no longer set to NA when 'can be NA' is not an option for the field.

## **963100: License: Hourly license update failing due to back office update**

*Description:* Flexera update of license rights from back office can conflict with hourly license check resulting in 'SLIMS will degrade' warning showing up after every refresh until the next successful hour check in the next hour.

*Fix:* This error is now ignored and no longer displayed to the user.

## **960764: Simplified protocol: ``link and go back to workflow" function sometimes does not work**

*Description:* In some conditions, when the user uses the function "link and go back to workflow" in a block within any protocol run that expects users to link content, the interface brings users back from content module to the block but the block does not show the linked contents sometimes. The contents however, are properly linked. After a browser refresh, the users are able to see the linked content in the same block.

*Fix:* The linked contents are now always correctly shown when coming back to the block.

## **960125: Slims R : Error message ``R\_USER not set" when attempting to generate report**

*Description:* Because of missing properties to set locale and charset in SLIMS-R, attempt to generate an R report (using an R test script) within slims result in the 'R\_USER' not set error.

*Fix:* It is now possible to generate R reports. The properties are now correctly used in SLIMS-R.

## **954287: SLIMS Share: Layouts with simplified protocols do not transfer**

*Description:* SLIMS Share: Layouts with simplified protocols do not transfer

*Fix:* SLIMS Share: Layouts with simplified protocols can now be transferred

## **944100: Roles: access right for default action not enabled by default**

*Description:* When upgrading or deploying new instances to 6.9, the 2 new functionalities “can create content using default action” and “can update content using default action” are not enabled by default.

*Fix:* “can create content using default action” and “can update content using default action” are now active by default.

## **933337: Macro: Macro crashes on edit content step**

*Description:* In some conditions a macro can get stuck at edit content feedback step

*Fix:* Macros now close with success and no longer get stuck

## **687475: SLIMS Development manual: Documentation for customer development with Eclipse is insufficient**

*Description:* SLIMS Development manual: Documentation for customer development with Eclipse is insufficient

## **SLIMS 6.9.9**

## **977714: SLIMSGate flow with usage internal: Camel route is sometimes not created**

*Description:* When using the slims store file importer configuration with an import from a watch folder, the import sometimes fails with the slimsgate.log indicating that a camel route cannot be created. The same file can later be imported successfully.

*Fix:* The route is always successfully created.

## **977463: SAML: Status setting that requires comment forces users to sign in again**

*Description:* When using SAML authentication, users are required to sign in when editing a content that has status that requires a comment to be added (but not e-signature)

*Fix:* It is no longer required to sign in with the authentication provider when leaving a comment.

## **976957: SLIMS Share: “There exists at most one entry...” option value changes after grid template migration**

*Description:* During SLIMSShare grid template migration, “There exists at most one entry for this node for each corresponding root node” option has changed after the import.

*Fix:* The value does not change during the import.

## 972534: Audit trail: Inconsistency in boolean display

*Description:* Boolean values are sometimes displayed as 1 instead of true in the audit trail.

*Fix:* Boolean values are now always shown as true or false (and not as 1 or 0)

## 971412: Picklist: Impossible to save

*Description:* The button to save changes in a picklist has no effect.

*Fix:* The picklist save button works.

## 967419: Content: The history is not completely visible

*Description:* In the content module, the history is not completely visible in the history tab, the scrollbar not allowing to see hidden part of the history

*Fix:* In the content module, the history is now completely visible in the history tab. The layout has been corrected.

## 965333: Reagents: All Contents appear in the result grid along with the selected reagent

*Description:* On link reagent step for default protocol, the usage tab does not filter anymore on reagent only content but also shows "normal" link content from queue

*Fix:* Only the reagents are visible. The 'normal' content is filtered out.

## 965280: Groovy: isNA fields are not in content object in label template value expressions

*Description:* isNA fields are not part of the content objects in value expressions for label templates. `if(content.cntn_cf_xxxx_is return "N/A" }` script does not work as `cntn_cf_xxxx_isNa` is not in the content object.

*Fix:* 'isNa' has been added to the the content object

## 954118: ELN: It is impossible to refresh a simplified protocol block from a plugin

*Description:* It is not possible to trigger a refresh of all the blocks of a simplified protocol from a plugin.

*Fix:* The text of Notes and SOP blocks is refreshed after a SLIMS GATE flow is executed.

## 952251: Macro: The edit action does not allow editing of flagged fields when multiple contents are selected

*Description:* Having a flagged field which relies on another field. Running an edit action to update multiple fields does not allow to fill this flagged field for the selected contents. Running this edit action on a single field works

fine.

*Fix:* Running an edit action on multiple flagged fields now works in this scenario.

## **943570: Sample scheduler: Link to sequence does not work when scheduler URL does not end with a /**

*Description:* When SLIMS is configured with a sample scheduler URL without a trailing / (slash), link to sequence misses a slash and thus breaks access to the sequence.

*Fix:* The link now also works when the scheduler URL does not end in a / (slash)

## **769491: Installation manual : No instruction on how to rollback in case of failure**

*Description:* In case of failed upgrade, there is currently no instructions on how to proceed to a rollback.

## **SLIMS 6.9.8**

### **969881: Workflow: ``New" button only becomes available after running ``Add multiple" button**

*Description:* When trying to create a manual result in a protocol run where results are not created automatically, the new button is not available unless "add multiple" action is performed.

*Fix:* The "new button" is now always available.

### **969377: SLIMS Store: Error when enabling Proband field from Pedigree Package**

*Description:* After installation of the Pedigree Package from the SLIMS Store, enabling the Proband field from a derived content of a Pedigree content type raises an "Could not find the active user" error.

*Fix:* Error no longer appears when enabling Proband

### **969426: Workflow: Result can be removed from closed protocol run step using Excel import**

*Description:* When using Excel import, it is possible to update results from a closed step

*Fix:* It is no longer possible to update results from a closed step with Excel import



## **967237: Licenses: SLIMS licensing issues appear after importing one SLIMS database into another one**

*Description:* After copying a database and file repository from an instance to another (e.g. production to Test), the production licenses are set to be degraded in x hours.

*Fix:* Server licenses are now returned when shutting down tomcat, making it possible to dump and restore databases without licensing issues, on the condition that tomcat is shut down before making the database dump.

## **966460: Fields: Time is wrongfully displayed in an experiment run**

*Description:* When filling the time in a time field on protocol run level, the time shifts. After the soft refresh the correct time is shown.

*Fix:* The correct time is shown. Time no longer shifts.

## **964811: Reagents: Error message when adding usage in link reagent workflow step.**

*Description:* Adding a Usage inside a "link Reagents" step of a workflow causes the "This datasource does not support Find" error message to appear.

*Fix:* The error no longer appears.

## **964275: Grid template: type filter instantly cleared**

*Description:* It is not possible to filter grid templates by types because the filter is cleared automatically right after being set

*Fix:* The option to filter on type is no longer available.

## **963821: Products: newly created child product doesn't have a value for prdc\_fk\_parentProduct in the groovy map**

*Description:* When creating a child product, the created product map doesn't have a value for prdc\_fk\_parentProduct (in groovy)

*Fix:* The created product map now contains prdc\_fk\_parentProduct

## **963820: Fields: A checkbox depending on another checkbox is not evaluated when hidden**

*Description:* The value expression of a field depending on checkbox field ("show only if X is checked") is not evaluated when X is not checked and the field thus not displayed.

*Fix:* The value expression is now correctly evaluated

## 963490: Request: Error when loading request list with absent dynamic choice display field

*Description:* When displaying a dynamic choice, if the selected reference data does not have the field used for display filled in, a "Request\_fetchManyToMany" error is displayed

*Fix:* The error no longer displays, the request can be loaded

## 963041: Order request: scheduling of high number of specification is not usable

*Description:* When requesting high number of tests with specifications, the user experience is not fitting business need and implementation circumventing this limitation causes performance issues. This is illustrated in this scenario where labs want to ask for "test this Cannabis sample on Concentration of Heavy metals according to the specifications of California." We would typically treat this as a QC order and you add "Specifications to be checked" something like "Cannabis california - Heavy metals". This is often awkward, it's weird to design your products like this. You have a lot of duplication on specifications, analyte groups, ... and this complexity creates unworkable performance issues.

*Fix:* Orders of type "Order management" now have the option "Allow to select products and specifications". When active, this setup significantly improves performance.

## 961745: Databas: Wrong date column datatypes are being created on MSSQL

*Description:* Upgrading a 6.9 instance to 6.9.6 may create date columns with wrong datatype (datetime2 instead of datetimeoffset)

*Fix:* date columns are now of the correct datatype (datetimeoffset)

## 961123: View: Error when searching history on `Field updated' value

*Description:* When attempting to query the History in the Content module for a specific field being updated (selecting ?Field updated? as the parameter for the query) and selecting a flat dynamic choice field an error "Criteria for field tbl\_label are not supported" or "Must be a whole Number" occurs

*Fix:* The errors no longer appear

## 960768: Performance: Loading is slow to schedule order and start protocol run

*Description:* Loading time can be very slow when scheduling orders or when starting a protocol run, especially if the protocol run has several contents, and each content is requested with a test with 15-30 analytes.

*Fix:* see 963041

## 960672: Locations: Random `Cannot drop here' error appears

*Description:* The content detail can sometimes randomly break, throwing "Cannot drop here" errors

*Fix:* The errors no longer appear

## **960193: Plugins: Reset config to default resets to the state of import**

*Description:* After updating a plugin default config in the plugin code and you updating the plugin, it is not possible to reset the config to this new default configuration. The reset button resets to the original state.

*Fix:* The reset button now resets to the new default values.

## **960150: Rule: Total number of row is wrong in export and value expression is exported twice**

*Description:* When exporting rules, the total number of row is wrongly displayed in export window and in the generated excel file the value expression is exported twice in two columns

*Fix:* The total number of rows displayed is now correct. Only 1 value expression is now exported.

## **959725: Report templates: Generation count does not increase for Core reports**

*Description:* 'Generation count' of report templates works only for SlimsGate reports, not for Core reports.

*Fix:* Generation count works as intended

## **959573: Content: The status workflow prevents the record from being edited**

*Description:* When a status "status 1" of a status workflow has been disabled and then reenabled, selecting it in a content status field makes impossible to edit the record once saved. The following error is then thrown: "The status transition status 1 ? status 1 is not active. you can't active the transition"

*Fix:* Self status transitions are never disabled.

## **957504: Analytes: sorting on N/A short text field results in error**

*Description:* In the analytes module when sorting on the list of analytes on a custom field of type N/A, it results in no sorting and a pop-up with an error that it could not resolve a property for tableFieldValues

*Fix:* Sorting works as intended.

## **954346: Analytical method: automatically calculated tests never show more then 6 tests in read-only list**

*Description:* When an analytical method has 'calculate tests automatically' set to true, it is not possible to see more then 6 tests listed as the read-only list format does not allow for the scrollbar that is present when turning this setting off.

*Fix:* The read-only lists of test is now scrollable

## **953932: Scheduled jobs: Camel route is not created when importing scheduled job via slimsshare**

*Description:* Camel route is not created when importing scheduled job via slimsshare

*Fix:* A Camel route is now immediately created when importing a scheduled job via slimsshare

## **948973: Plugin: plugin configuration is not updated after a plugin update**

*Description:* When updating plugins via plugin set import, an update of a plugin's configuration is recorded in the history of that plugin, but the configuration is actually not updated.

*Fix:* The following behavior is now in place: If you get a plugin from SLIMS Share and it causes an update of a plugin: Do not overwrite the configuration. If you get a plugin from a plugin set and it causes an update of the plugin: Overwrite the configuration. History corresponds to what happened.

## **948970: Plugin: Version is cleared even for updates without changes**

*Description:* When saving a plugin that has a value in slpg\_version, this value is cleared even for updates without any changes

*Fix:* slpg\_version is not cleared when an update without changes happens

## **946708: SLIMS GATE: DelayedTrigger happens although the triggering update did not happen**

*Description:* When a record update delay triggers a SlimsGate flow via a Rule, and the record update is blocked due to a concurrent change error - the SlimsGate flow is still triggered

*Fix:* The delay trigger does not happen if the record update fails

## **943050: Fields: Not possible to unlink a content from an order in case a value was stored on an order content field**

*Description:* It is not possible to unlink a content from an order in case a value was stored on an order content field. It is also not possible to permanently remove such an order.

*Fix:* In both cases, a warning message indicating that the data on the order content will be lost is shown. After confirming, unlinking or removing is now possible.

## **940648: Macro: pre-entered field values from the macro config are overwritten by the default field value expression when creating content with a macro**

*Description:* When creating contents in a macro with field values configured in the macro configuration, these values are not taken into account when the field has a value expression configured in the fields module. This value expression overwrites the values from the macro configuration.

*Fix:* The values from the macro configuration are used instead of the default value expression.

## **810795: Workflows: An error occurs when saving an empty value result**

*Description:* Workflows: An error occurs when saving an empty value result for the following data types: Decimal number, Whole number, Date, Date and time, Time, Dynamic Choice

*Fix:* The error no longer appears

## **775075: Installation manual : Tomcat and proxy config for CLL need clarification in case apache httpd is used**

*Description:* The installation manual does not mention that when using apache httpd, tomcat should not run on 80 or 443 port anymore but on 8080

And licensing proxypass should use 127.0.0.1 instead of localhost

## **757458: Protocol Run Steps: Unable to drag and drop samples in location tab**

*Description:* Drag and drop of samples in a location tab in Protocol Run step while running a protocol does not work all the times.

*Fix:* Drag and drop of samples in a location tab in Protocol Run step while running a protocol now works correctly.

## **704873: Content: Permanently removing content can generate an error message that is not user friendly**

*Description:* Permanently removing content can be impossible for various reasons. When this is the case, an error message that is not user friendly might be displayed. This is a cryptic error message about ?SQL [n/a] constraint [null]? (and more hibernate/spring technical details) .

*Fix:* The error messages are more user friendly.

## **SLIMS 6.9.7**

### **971321: Audit trail: Changes to flat date(time) fields are sometimes not recorded when using SLIMS REST**

*Description:* When updating a flattened field of type date or datetime through SLIMS Rest, no history for change is recorded in audit trail.

*Fix:* The history is now correctly recorded

## 961705: SLIMS Share: Action block with macro forgets link with macro on export

*Description:* When you export a protocol with an action block to slims share, the link between the action blocks and any macros configured for that block gets lost.

*Fix:* The link between them is no longer lost on export.

## 959107: SLIMS Share: Protocols lost their "restricted to macro"

*Description:* During SLIMS Share migration of protocol, macros in the protocol (action block with "restricted to macro") cannot be migrated. No error occurs but after migration, protocol is migrated whereas the macro in the protocol is empty, even when the macro was previously imported.

*Fix:* Macros in the protocols are now migrated as well

## 958418: Macros: Input field visible during macro execution when "Specify value expression" is enabled in macro configuration

*Description:* After specifying a new value expression in the macro configuration, the input field is still visible to fill in during the macro execution (e.g. in Content module). The value entered during macro execution is ignored, the value expression from the macro configuration is correctly used.

*Fix:* The input is now correctly hidden during macro execution.

## 956076: Login: SLIMS login page can freeze on certain Chrome versions

*Description:* Login: SLIMS login page can freeze on certain Chrome versions, making a SLIMS login impossible.

*Fix:* SLIMS login page is no longer frozen.

## 951575: Views: Highlighting is seemingly transferred to other views

*Description:* Adding a new highlighting in a view and saving this view makes the highlighting to be also present in other views (until a SLIMS refresh)

*Fix:* Highlighting is no longer seemingly transferred to other views.

## 950692: ELN: Macro available when run is completed

*Description:* Macro from action block can be run even when run is completed

*Fix:* Macro (and other actions) in action blocks are now readonly (greyed out) when a run is completed.

## 949155: Database: MariaDB export fails to import on MySQL

*Description:* 6.9 MariaDB export fails to import on MySQL

*Fix:* 6.9 MariaDB export can now be imported into MySQL

## **948354: Rules: email() does not send when parameters argument is included**

*Description:* When using the email() method in rules, the method email(String) works, but the method email(String, Map<String, Object>) does not trigger anything to send

*Fix:* email(String, Map<String, Object>) now works as expected

## **946002: API Manual: correct section on setting Active User**

*Description:* The SLIMS development manual states that ActiveUser.set() should be used, while instead, this should be used: ActiveUser.runAsActiveUser(user, () -> { //do stuff here })

*Fix:* The SLIMS development manual has been updated and now contains the correct instructions

## **943993: Grid: (MSSQL) ``from" relation to attachments prevents grid loading when more than 2100 attachments are fetched**

*Description:* On a Content based grid, having a "from" relation to the attachments, will break export of the grid when total number of attachments gets greater than 2100 (e.g. 701 content with 3 attachment each)

*Fix:* Those grids can now be exported

## **941426: Orders: Foreign key constraint issue when unlinking contents from cancelled requests**

*Description:* SLIMS is throwing an error whenever a user attempts to unlink a content with a previously added flag from a cancelled request.

*Fix:* The content can now be unlinked without error.

## **941104: Excel import: Propagated required field is required during excel import of a derivation**

*Description:* During an Excel import: When having a mandatory field which propagates to derivations and the imported derived content does not have this field filled in, an error is raised (while SLIMS should reuse field value from the parent content)

*Fix:* SLIMS now reuses the field value from the parent content during the import

## **811016: Content status workflow: Some status (transitions) are not behaving correctly**

*Description:* Content status workflow: Some status (transitions) are not behaving correctly. This is only the case for content status transitions.

*Fix:* Content status workflow: all status (transitions) now work as expected.

## **807048: Access rights: Default creation actions are sometimes incorrectly disabled**

*Description:* The default creation actions (New, Derive, Aliquot, Dilute, Copy, Mix content) are disabled incorrectly and disappear with “Can create content using default actions” is True and “Can update content using default actions” is False Created macros are also disabled and disappear.

*Fix:* Default creation actions are now enabled and disabled at the right moments.

## **806783: Masshunter: worklist export to CSV with Chinese characters contains wrong characters**

*Description:* The characters in the exported Masshunter CSV sample sheet are wrong when it contains Chinese characters

*Fix:* Exported Masshunter CSV files can now contain Chinese characters

## **806679: Time fields: The time field of a copied order temporarily give a wrong value (+1h)**

*Description:* When copying an Order, the time fields are actually displaying the time +1h in the grid and form until a “soft refresh” of the grid is done. After the soft refresh the correct time is shown. But saving this record before doing the soft refresh saves the time +1h to the database.

*Fix:* Time fields of copied orders now always display the correct values.

## **805476: Localization: When logged in with a German user, the slims version displayed is not correct**

*Description:* Localization: When logged in with a German user, the slims version displayed is not correct

*Fix:* The displayed version is now correct

## **804848: Worklist templates: Columns on result are not sortable**

*Description:* In a worklist template the result columns are not anymore in the order they were selected.

*Fix:* All columns are now in the order according to their position that is defined in the fields module.

## **803501: Locations: Concurrent changes detected when attempting to reserve a location position**

*Description:* In some cases an errorConcurrentLocationWrite with message “Concurrent changes detected position with row x and column y is already occupied” is thrown when attempting to reserve a location position.

*Fix:* It is no longer possible nor needed to reserve location positions.



## **797117: Role: update level set to ``nothing" prevents content creation.**

*Description:* A role with all the necessary functionality rights to create a content and for which the update rights are set to "nothing" cannot create a content in the content module.

*Fix:* see 807048

## **794255: SLIMS Share: Synonyms are not removed when you remove a record**

*Description:* When deleting a record (like an unused field), its package guid is removed, but not any of its synonyms.

*Fix:* SLIMS Share: Synonyms are now also removed when you remove a record

## **789959: Flat field reporting: Not reported when query fails**

*Description:* When a query involving flat fields times out (or gives a DB problem) this flat field is not reported on with flat field metrics and logging

*Fix:* When a query involving flat fields times out (or gives a DB problem) this flat field is now reported on with flat field metrics and logging

## **785307: Contents: Expiration date using a Date field causes reagents to expire at 12:00**

*Description:* When the expiration date field is a ? Date ? field and not a ? DateTime ? field, the (hidden) time is actually 12:00. So reagents that are being used after noon (e.g. at 13:00) are considered as expired.

*Fix:* Reagents no longer expire on the expiry date, but only the day after, as it should be.

## **775551: Dashboard: graph widget does not use display field but pk instead**

*Description:* When creating widget graph using as facet fk field (such as status), then the key of the status is used instead of display field

*Fix:* The correct display field is now used instead of the pk.

## **766711: Users: a password modification is not recorded as a change to the user record in the user audit trail.**

*Description:* When a user changes its password, the modification is recorded in the user audit trail as "No changes to this record since last update".

*Fix:* A password change is now recorded as a change to the user record. The old and new passwords are both obfuscated in the user audit trail.

## **617254: Groovy: can cause erroneous error log entries in the SLIMS log files.**

*Description:* Groovy: can cause (a lot of) erroneous error log entries in the SLIMS log files. These can fill up the SLIMS server disk space. These error entries do not show up in the Groovy logging console.

*Fix:* These erroneous log entries are no longer shown in the SLIMS log files.

## **SLIMS 6.9.6**

### **960019: Database: MS SQL columns have wrong data types.**

*Description:* On 6.9, MS SQL columns storing date times have the wrong MS SQL data type datetime2 instead of datetimeoffset.

*Fix:* The columns now have the correct data type datetimeoffset

### **959184: Login: Frozen SLIMS login page on Chrome**

*Description:* For SLIMS users using Chrome, the login page is frozen.

*Fix:* SLIMS login page no longer freezes on Chrome

### **957368: Simplified Protocol : Blocks are opened on experiment even when `Open blocks by default` is disabled on protocol**

*Description:* Blocks are opened on experiment even when 'Open blocks by default' is disabled on protocol

*Fix:* Blocks are now collapsed by default

### **955865: Load-Balanced: Hazelcast: Cannot be setup correctly**

*Description:* The following properties are not available: -Dslims.hazelcast.port -Dslims.hazelcast.members -Dslims.hazelcast.public.address

*Fix:* Load Balanced Hazelcast can now be set up correctly

### **954984: Reference data: Reference data type history shows nothing**

*Description:* Reference Data Type History shows nothing

*Fix:* Reference Data Type History now always shows the correct data.

## **953709: ELN: when switching off the "Allow block to be removed" for a block, it can still be removed in an experiment in ELN**

*Description:* ELN: when switching off the "Allow block to be removed" for a block, it can still be removed in an experiment in ELN

*Fix:* "Allow block to be removed" for a block is now working correctly

## **950862: Views: Same view appears multiple times unexpectedly in ELN**

*Description:* Same view shows up multiple times unexpectedly

*Fix:* Same views can no longer be present multiple times

## **949263: Remote Daemon: Access token expires despite refresh preventing authentication after 12 hours**

*Description:* After reinstalling the remote daemon post 6.9-installation, the service will startup and successfully get an access token on initial authorization. The logs indicate successful token refresh occurs every 30 seconds for the next 12 hours. At 12 hours, the logs switch to indicate failed heartbeats and a failure to refresh the token.

*Fix:* The token refreshes every 30s and now has to be manually reauthenticated once every year.

## **949053: Package browser: filter is not working**

*Description:* The filter in the package browser is not working

*Fix:* The filter in the package browser is now working

## **947830: Orders: In some cases it is not possible to create orders**

*Description:* Since the upgrade to 6.7.22, the fields of Order are not visible anymore in the form to create an Order, and this makes it impossible to create an order. This is only the case when 'allow only one content record per order' is activated.

*Fix:* It is now possible again to create orders.

## **947754: ELN: creating protocol run via simplified protocol can be super slow**

*Description:* A simplified protocol with more than 10 blocks takes very long time (about 30 seconds) to load

*Fix:* A simplified protocol with more than 10 blocks now loads a lot faster

## **947718: Performance: Memory issues can appear when a lot of tests with custom fields are present**

*Description:* The caching mechanism in SLIMS behaves badly when a lot of test with multiple custom fields are present.

*Fix:* The caching mechanism has been improved, having a positive impact on performance.

## **942229: Login : Users with expired password cannot login**

*Description:* SLIMS does not load when login with a user having a expired password and does not display the change password window.

*Fix:* SLIMS loads and asks for password change when login in with an expired password

## **939500: ELN: Simplified protocol blocks aren't shown in ELN after migration**

*Description:* Simplified protocol runs that have some removed blocks and some created ones during execution loose some blocks after migration from 6.6 to 6.9. Database records are present so no data is lost but it is not possible to find back old runs.

*Fix:* All blocks are now shown

## **939201: Users: Logged out users are never seen as such and cannot terminate session**

*Description:* Logged out users still appear as logged in on the user module. These users are using concurrent licenses and preventing new logins.

*Fix:* Logged out users are now correctly taken into account.

## **935647: Installation manual : Tomcat start and shutdown mode is not mentionned**

*Description:* If a windows server is rebooted, having startup mode of Tomcat service set to 'Automatic' is not enough to have a successful start up.

*Fix:* Mentions about startup and shutdown mode added to the install manual.

## **935179: Content: Forms have bad spacing for quantity and date fields**

*Description:* Quantity and date fields are displayed with a bad spacing in content forms

*Fix:* The spacing is now correct

## **811781: Attachments: SLIMS consumes excess memory whenever it attempts to upload/preview a TIF image**

*Description:* When trying to upload a 20MiB TIF image, SLIMS will consume excess memory and sometimes will run out of java heap space. The TIF image is successfully uploaded as an attachment but SLIMS will fail to render the image within the 'Attachments Preview' window.

*Fix:* Large images (>5000px in height or width) no longer generate previews.

## **811464: Grid templates: name display issue when adding root for selection type `Criteria' for report templates**

*Description:* When adding a root for report template of selection type Criteria, the root is added correctly but the name is not visible.

*Fix:* The name is now visible.

## **810783: Authentication : SAML2 authentication does not redirect to the correct url**

*Description:* When using ForgeRock IdP wehn trying ot login using SAML redirection is made to the "identity provider" and not to the url where the user can enter their credentials

*Fix:* See 809167

## **810139: Macros : Content type restrictions for macro's are ignored in action blocks**

*Description:* Action blocks in simplified protocols do not check content type restrictions when running a macro.

*Fix:* Macro cannot be run when an unauthorized content type is selected

## **809167: SAML: e-signature password is sometimes automatically filled**

*Description:* When using SAML authentication on electronic signature steps, "Sign in with authentication provider" sometimes automatically fills the user password without requiring any user input.

*Fix:* It is now always required to enter username and password in case of SAML authentication on electronic signature steps.

## **809229: Roles : Basic (read-only) role does not have access to content event and CRF in content module**

*Description:* User with role with Basic (Read-only) entitlement does not have access at all to the content event tabs.

*Fix:* Roles with a Basic (read-only) entitlement now have access to the following functionality access rights: Content events Stability studies Instruments Locations Reports Content types Providers Customers Sources Diseases Container types Analytes SOPs Printers Studies Study design Reference Data They can be activated but are not active by default. No migration of existing roles occurs.

## **809138: Sample Scheduler: Associating a blank content to a sequence links it to all non-samples rows**

*Description:* Sample Scheduler: Associating a blank content to a sequence will cause it to be linked to all non-samples rows (calibration and QC)

*Fix:* Blank content (with an empty name) will no longer be automatically associated.

## **809046: Upgrade manual: Does not mention what to check in log to ensure upgrade completeness before starting SLIMSGATE**

*Description:* The upgrade manual does not mention what to look for in the log to know that the upgrade is finished before starting SLIMSGATE.

*Fix:* The upgrade manual now mentions how to know when the SLIMS upgrade is finished before SLIMSGATE can be started.

## **808093: Installation manual : Does not clearly mention that upgrade should only be done to more recently released minor versions**

*Description:* The SLIMS upgrade manual does not mention that it must be avoided to upgrade from a certain initial minor version A to a certain final minor version B when this final minor version B has been released at an earlier date than the initial minor version A. For instance, 6.7.20 released on 24 Apr 2023 should not be upgraded to 6.8.11 released on 04 Apr 2023 but only to 6.8.12 (released on 03 May 2023) or later.

*Fix:* The upgrade manual was adapted to reduce erroneous production upgrades in the future

## **808106: After migration to 6.9 the derive step is not working anymore when suffix does not contain a number**

*Description:* After upgrading to 6.9, the derive step is not working anymore when the suffix does not contain a # (placeholder for a number): Error pops up that the suffix should contain #

*Fix:* Both derivation actions and macros with derivation steps now work without a # in the suffix mask

## **807936: Macro: Conditional field might appear in derived content when the condition is not met**

*Description:* Macro: Conditional field might appear in derived content when the condition is not met. This happens when the condition is met in the original record.

*Fix:* The conditional fields in derived records are only shown when the condition is met in the derived record.

## **802665: A warning box without message can appear when saving a record with a multiple value dynamic choice field**

*Description:* When saving a record with a field of datatype "dynamic choice" that allows multiple values, and where the display field has not been set, an empty error box appears.

*Fix:* An error message stating that you need to set the display field now appears.

## **801404: QC Orders: when versioning products: the request list disappears for linked content**

*Description:* On linked content (QC orders), the list of requests that can be chosen disappears when a product gets versioned.

*Fix:* The list of requests is present

## **800481: Rules : Non working actions in response to rest-api changes**

*Description:* When a SLIMS entity is modified via rest api, rules work for errors but do not work for sending emails, notifications and warnings or logging in a value expression evaluated on every save.

*Fix:* Notification, email and warning are fired by a rule when triggered by rest call.

## **800335: Performance: Versioning and creation of specifications can become too slow**

*Description:* When creating a product with ~hundred specifications and some subproducts, versioning is very slow.

*Fix:* Performance has been improved significantly.

## **799657: Result: The "expression depends on" dropdown show UID instead of result value**

*Description:* In the test module, under "configure result datatype", the "Expression depends on:" dropdown only shows unrecognizable field names (unique identifiers) instead of results.

*Fix:* The dropdown now shows the correct values

## **798644: Installation manual: Linux instructions in Windows version of the manual.**

*Description:* In the Windows installation manuals, there is a 'Create file repository folder' section which is specific for Linux OS.

*Fix:* The specific instructions for Windows and Linux are now in the correct places in the manual.

## **797777: Groovy: Expression to add flags - content.results is null**

*Description:* On a protocol step, when wanting to define a groovy to add flags the "insert" proposes to use "content.results" to have access to the results, but this ends to a Null Pointer Exception as content is null.

*Fix:* content.results now works

## **797660: Orders : Removing content with order content data from and order displays cryptic error message**

*Description:* When trying to remove from an order a content that has order content data, the action cannot be completed, and a complex SQL related error message is displayed.

*Fix:* Order content products were not removed when a content was removed, fix ensure they are, preventing the SQL error.

## **796128: SLIMS Gate: flow execution can fail on MS SQL Server**

*Description:* A SLIMS Gate flow cannot be executed if you add “too many” rows in a single transaction, because of an error related to an incoming request with too many (>2100) parameters.

*Fix:* The error no longer appears, as the transaction gets properly handled by SLIMS.

## **794100: Fields: Saving is very long when restricted to a category with a lot of content types**

*Description:* Saving a field which is restricted to a content category having a lot of content types takes a very long time

*Fix:* Saving these fields is now a lot faster.

## **789566: Installation manual: HTTP configuration instructions for CLL/Apache on Windows needs clarifications**

*Description:* When upgrading to 6.8 while keeping HTTP, the configuration instructions are not clear.

*Fix:* Added instructions for when customer wants to keep HTTP when upgrading to 6.8.

## **789104: Installation manual: R service doesnt work when installed on something else than the C drive**

*Description:* Generating R-report does not work when R is installed in another drive than C:/ despite the installation on D:/ being possible.

*Fix:* Installation manual now contains instructions on how to configure R service when R is not installed on the C drive

## **781894: Status workflows: creation of new workflow shows all SLIMS statuses until refresh**

*Description:* When a new status workflow is created and you directly go to its ‘Statuses’ tab, all available statuses are listed.

*Fix:* No status is available when navigating directly to the ‘Statuses’ tab, for a newly created status workflow.



## **779346: Views: Filter in the Default view can be saved**

*Description:* It's possible to rename the default view and then save a filter in this renamed view. Renaming the view back to Default ends up with a filter saved in the default view

*Fix:* The name of the default view can no longer be saved. The filter in the view is empty.

## **774550: Sample Scheduler: It is impossible to reset associated samples**

*Description:* In the "complete sequence" second step of sample scheduler integration there is no way to "unassociate" content from an injection line.

*Fix:* It is now possible to reset or unassociate individual lines or all changes prior to submitting to sample scheduler. The reset button and/or eraser icon can be used.

## **654204: Installation Manual: Centos MSSQL Manual has screenshots of Windows MSSQL GUI and steps**

*Description:* Installation Manual: Centos MSSQL Manual has screenshots of Windows MSSQL GUI and steps

*Fix:* Correct instructions are now present

## **524512: Track usage: unit stored in versioned protocols is also updated to default unit**

*Description:* Track usage: unit stored in versioned protocols is also updated to default unit when the default unit is changed.

*Fix:* The unit of a quantity field can not be changed if the quantity field has an amount somewhere in SLIMS

## **SLIMS 6.9.5**

### **940971: Excel Export: Does not work on content views from master layout**

*Description:* Having a master layout with some content views, trying to export one of this views of this master layout from a client layout fails with a multiple metatrees error.

*Fix:* Export completes successfully

### **940819: Grids: Grid is broken if you filter on mix count field**

*Description:* Opening a grid with a filter on the mix count field is not possible anymore Instrument / Configuration / Setup

*Fix:* Error no longer pops up, grid is loaded correctly.

## **940135: Views : Not able to choose the condition for highlight**

*Description:* The creation of highlights in views is not possible as the condition cannot be chosen.

*Fix:* Dropdown for conditional field is populated.

## **938599: Views : Impossible to create highlights**

*Description:* The creation of highlights in views is not possible due to the fact that the dropdown to select the field for the condition is not populated.

*Fix:* Dropdown for conditional field is populated for simple and advanced highlight.

## **937627: Administration manual : Missing versioning section**

*Description:* Versioning section is missing in the admin manual

*Fix:* Admin manual now contains the section on versioning.

## **936508: Upgrade : Fails on MS SQL Server due to index problem**

*Description:* Upgrade fails due to liquibase issue, with the following reason in the log: The index 'pcgd\_guid' is dependent on column 'pcgd\_guid'.

*Fix:* Index was removed, column size updated and index was added again

## **936056: Administration manual : Support contact address is incorrect**

*Description:* Support contact in manual is listed as support@genohm.com while it should be the Agilent Software Service Desk webpage: <https://servicedesk.li.agilent.com/support>

*Fix:* Support contact is updated in manual.

## **934436: Location details : out of memory crash with a lot of contents**

*Description:* Having a location containing a huge number of contents will crash SLIMS with an out of memory error when trying to open the location detail tab of a content from this location.

*Fix:* SLIMS do not fetch content fields to display in the location detail grid if the location is too big or positionless

## **810979: Login : SAML IdP SSO URL not correctly transmitted to identity provider**

*Description:* When trying to sign into SLIMS with SAML, instead of arriving at the IdP SSO URL that was configured in SLIMS, the user arrives at the page that says "Oops, this link is not working" as some part of the URL is ignored when clicking on the button

*Fix:* URL parameters are no longer stripped from SAML URLs

## 809136: Custom fields : ``Propagate changes derivation" option causes error when saving

*Description:* When a fixed choice (can be NA) custom field is defined with "propagate changes to derivation" and "use bulk propagation", editing it after a content was created and derived causes an error when saving.

*Fix:* It is now possible to save custom field with "propagate changes to derivation" option

## 808108: Rule : Updating a QC result show a server failure error popup

*Description:* It's not possible to update a record that has a warning from a QC type rule.

*Fix:* Removed loop in QC Card rule evaluation results removal

## 808041: After migration to 6.9 manual NGS indexing step throws an error

*Description:* After migration from 6.8 to 6.9, selecting plate index design during index allocation NGS step throws "Server returned FAILURE with no error message performing operation 'BarcodeAdapterTemplate\_fetch'".

*Fix:* Default value for panl\_barcodeAdapterSetsRestricted set to avoid defaultValueBoolean not applied on MS SQL Server.

## 806684: UTC : Value expression to copy a time field gives wrong value when using a copy order macro

*Description:* When copying an Order with a macro, and fetching a time field (like cntn\_collectionTime) to return this time in another field, the value is not the same.

*Fix:* Value is kept.

## 806635: Slimsgate : slimsProxy.checkForInterruption does not work

*Description:* slimsProxy.checkForInterruption() does not work as expected, and a plugin bean is not interrupted when clicking on the Cancel button of the plugin user interface.

*Fix:* Cancel button now interrupts the plugin (if marked as "interruptable")

## 805921: Unique identifier : Reference Data unique identifiers for same name get stuck on \_2

*Description:* When creating new reference data records with repeated names, the auto-generated unique identifier does not increase after the second reference data records with created with the same name, and remains to "\_2" for all subsequent reference data records.

This results in duplicate unique identifiers after making 2 reference data records with the same name.

*Fix:* Fixed escaping issues in SQL like clauses on MSSQL that were preventing the increase of the unique id counter

## **804436: iLab Store Package : included rule for sending order completion takes 2 saves to fire**

*Description:* The rule that comes with the Standard iLab store package to trigger the order completion flow does not work on initial update of the Order iLab status if the order status is already completed or changing to completed during the same save action.

*Fix:* Groovy updated in package for migration to 6.9

## **802678: ELN : Action buttons not visible but clickable**

*Description:* User don't having update rights in a certain group and being inside a run from this group, can still click on the hidden "flag" button.

*Fix:* Click event disabled when update is not allowed

## **800771: Orders : Content receive action timeout**

*Description:* When receiving content on a large amount of records, slims becomes unresponsive until the transaction is finished, and a timeout message appears (while transaction is still ongoing).

*Fix:* A progress bar is displayed

## **800451: Simplified ELN : Report Templates field is visible in default Experiment Step forms**

*Description:* The Report Templates field (specific for simplified Action steps) is visible in all Default Experiment Step types.

*Fix:* "Report Template" is not visible in default protocol

## **800305: Installation manual : No instructions for updating certificates in Windows**

*Description:* HTTPS certificate updating is described in the Linux manuals at "2.3.1.4. Updating certificates" for the 6.9.2 version, but not in Windows manuals.

*Fix:* Instructions for updating certificates in Windows added.

## **800245: Order : Missing options via right click on results**

*Description:* Cancel, reject and revert result actions are only available when selecting a result and not via right-clicking on them.

*Fix:* Revert, cancel and reject actions are displayed among the actions available with right-clicking.

## **798291: Products and specifications : Creating a multiple dynamic choice to analytes on the rule table crashes the module**

*Description:* After creating a field on the table rule with dynamic choice to the table analytes and multiple values enabled, displaying the products and specifications module crashes with a "Product\_fetchManyToMany" server failure error.

*Fix:* Error does not occur anymore

## **798279: Attachment : not possible to delete in Slims an attachment whose file does not exist anymore.**

*Description:* It is not possible to delete an attachment record from Slims if the related file (in /repo/....) does not exist anymore.

*Fix:* Attachment can be deleted and a message is logged server side to mention that SLIMS could not determine whether attachment existed in the repository.

## **797559: Performance: Location detail view too slow**

*Description:* Dragging and dropping content in a location is very slow

*Fix:* Location detail grid is recreated whenever it needs to be redraw

## **795897: Macros : output of macro is too broad when using action block**

*Description:* When using action block for macro, the output definition is too broad so that unwanted content gets outputted.

*Fix:* Macro only gives output from one macro step configured with the new option "output content to block"

## **795771: Excel import : Import of results using a specific import key doesn't work**

*Description:* When using an advanced import, setting a unique identifier as the key which should be used for the import makes the import to fail.

*Fix:* Import does not fail when using unique identifier as import key

## **795022: Orders : Remarks cannot be recorded**

*Description:* It is no longer possible add a remark to an order result.

*Fix:* Remark can be added to order result

## **794765: Analytes : Not mentioned in workflow chain of custody.**

*Description:* When looking at workflow chain of custody in analytical workflow where results were added for test that requires an analyte, analyte on result are not mentioned.

*Fix:* Analyte (and also aggregation method which was missing) are displayed.

## **794761: Simplified ELN: Result block view does not allow highlights**

*Description:* There is no highlight tab in the result block for simplified protocols.

*Fix:* "Edit highlighting" tab appears in Edit View panel.

## **793453: SLIMS Share: status workflows not importable**

*Description:* When migrating status workflows from an instance to another, the import fails with a "Optional.get() cannot be called on an absent value" error

*Fix:* Status workflows can be imported

## **791740: Workflow : "Reason for change" appears in all windows when user is logged multiple time**

*Description:* When a user is logged simultaneously on 2 different browsers, displaying the "Reason for change" window when versioning a workflow will show this window in all browsers

*Fix:* Window only pops on the correct browser.

## **791025: Results : fixed choice value cannot be set**

*Description:* Result value is not saved when its data type is a fixed choice allowed to be NA

*Fix:* When selected from the dropdown list the result value is saved.

## **787163: Installation manual : slims-r jar file has an incorrect name**

*Description:* slims-r.jar filename generated with upgrade script does not match the file name specified in slims-r.xml. The kit should contain a file called slims-r.jar and not slims-r-jar

*Fix:* Kit script updated with correct filename

## **785259: Fields: Time from a Time field shifts on Experiment Run Step**

*Description:* When filling in a time field on an experiment run step, the time shifts depending on the timezone of the user.

*Fix:* Time is now correctly saved and disregards timezone

## **783835: NGS : DNA libraries fetch is based on deprecated cntn\_status for sample sheet generation**

*Description:* When generating the sample sheet, the DNA Libraries are fetched based on the value of their cntn\_status which is now deprecated and not necessarily matching the cntn\_fk\_status

*Fix:* SLIMS now uses the cntn\_fk\_status instead of cntn\_status

## **781568: SlimsShare: Migration of fields with same UID but not same GUID is not possible**

*Description:* When importing a package from another instance (so having different GUIDs) that contains an item with the same UID as an already existing one (for instance cntp\_blood), it is not possible to remap the imported item to the existing one.

*Fix:* No error when performing a remap at import.

## **759815: Admin manual does not mention that experiment are not imported with the import action of the ELN**

*Description:* The admin manual does not mention that the “Import” list action in the ELN module only allows import of projects and not experiments

*Fix:* The SLIMS 6.9 manual now mentions that the actions in the ELN module are used to export and create and/or update projects (not experiments).

## **SLIMS 6.9.4**

### **948938: Macros: field in macro step sometimes disappears**

*Description:* Quantity fields may not appear in macro

### **948753: Protocol : Read-only fields don't appear on form blocks**

*Description:* If a Protocol Run Step Content field is set to “read-only” and added to a Form block, running the protocol does not show the field.

### **802151: Orders : Order content data cannot be opened anymore**

*Description:* Content data section of content details of an order does not show fields when being hidden/shown

*Fix:* Values of the custom field on Order content are saved and are displayed correctly after a SLIMS refresh

## **798436: Views : Cannot load a view that filters on a flat checkbox field**

*Description:* A view cannot be opened anymore because it contains a filter on a flattened field having a checkbox equals false.

*Fix:* SQL Server related issue. View can now be opened

## **795408: Slims Store : Standard iLab plugin cannot handle ``on" as value in required property**

*Description:* When fetching form information, the plugin will sometimes fail to import if a field in a requests' form is marked "required" with a required property defined as "on/off" instead of "true/false".

*Fix:* Required property removed from imported data in ilab.

## **793379: Workflows: not possible to create analytical method measuring a test requiring an analyte**

*Description:* Having a test that requires an analyte, creating in an analytical workflow an analytical method that measures this test fails with a "Data too long" exception.

*Fix:* Data space was extended to avoid error

## **792804: SLIMS REST: @RestRestricted doesn't apply for DELETE/PUT/POST**

*Description:* SLIMS REST: @RestRestricted doesn't apply for DELETE/PUT/POST

*Fix:* SLIMS REST: @RestRestricted now also applies for DELETE/PUT/POST

## **791684: Installation manual : Windows version of the manual contains some linux commands**

*Description:* Section "3.2.2.3.3. Migrate to SLIMS GATE base" for Windows contains some linux commands.

*Fix:* Replaced linux commands by windows ones.

## **790160: Workflow : Manually created analyte results get associated to wrong request**

*Description:* When creating manual results in an analytical workflow involving product specifications on analytes, the specification does not correctly apply to the analytes, and some results that should be verified fail on a rule of a different analyte

*Fix:* Specifications correctly match analytes



## **790221: SLIMS Share : Import fails when reusing field ``expiry date``.**

*Description:* When trying to import slimsshare package containing same field name (and datatype) "expiry date" and using reuse functionality, it does not work

*Fix:* Synonym is created and import success.

## **790031: Attachments : Files bigger than 2GB fails to attach or get corrupted**

*Description:* Attaching a file bigger than 2GB results in an attachment error or in an apparent success, but the file stored is corrupted and actually smaller than the original one.

*Fix:* File size is now correctly handled

## **788976: Installation manual : Windows Mysql/mariaDB references linux related file**

*Description:* The Verify database configuration settings section of the manual mentions /etc/my.cnf while this file is only present on linux installations. (it is my.ini file on Windows systems)

*Fix:* Windows MariaDB and MySQL manuals updated with my.ini reference and path instead of my.cnf

## **786531: Fields : Custom fields in result details disappear when view is updated**

*Description:* Custom fields on the result table that are filtered by result (for example a result detail in a workflow result step) disappear when the view is updated (for example when removing a column).

*Fix:* Fields don't disappear when view is updated

## **786242: Workflow management : Grid template block within a simplified protocol is not versioned when the workflow is versioned**

*Description:* When using the "Version workflow" button on a simplified protocol that contains a grid template, the grid template is not versioned.

*Fix:* Version button is now enabled on grid template changes.

## **784580: Views : Flat fields do not work within query scripts for Views**

*Description:* When creating or editing a view, it is not possible to filter on custom flat fields within the query box.

*Fix:* SLIMS can filter on custom flat fields within the query box.

## **784475: SLIMS Store : Mettler Balance Integration: Connection error is not descriptive**

*Description:* The plugin included in the Mettler Balance Integration store package does not give a descriptive error when the connection with the balance fails.

*Fix:* The message that is included by the exception is now also printed.

## **784108: Installation manual : Missing parameter changes description in JasperReportService**

*Description:* 6.9 Upgrade manual has a section about the JasperReportService for Plugin upgrades but it does not specify that in comparison to ReportService no Optionals can be provided anymore in the methods. Instead, SlimsCriterion can be null and for recordPKs and empty Set can be provided

*Fix:* Updated ReportService changed to include changes in method signatures of JasperReportService

## **783740: Grids : Missing magnifying glass icon**

*Description:* There is no magnifying glass icon to open the detail of a record

*Fix:* Magnifying glass icon is now displayed.

## **783287: Plugins : Reset values of plugin dependencies button throws IllegalStateException error**

*Description:* When running a plugin with rule dependencies set, these cannot be reset due to a non-human readable error being thrown.

*Fix:* Action of the "Reset values of plugin dependencies" button completes successfully

## **783107: Groovy : log.info(result) does not work**

*Description:* Using log.info(result) in the script of a specification type throws an error message in the groovy console.

*Fix:* Result map is logged.

## **781339: Grid templates: Quantity fields are replaced by the original content field.**

*Description:* When opening the filter on a grid template metatree element, the quantity fields are not loaded correctly but are replaced by another field (and value get replaced as well)

*Fix:* Criteria fields of the filter are loaded correctly

## **780739: Rules : Setting up a view on active specifications does not work in Products & Specifications**

*Description:* When creating a view that filters on only active specifications, the view does not actually filter.

*Fix:* Specification grid is now filterable on active.

## **779041: Electronic signature : case-sensitivity in http request**

*Description:* When using SAML SSO, SLIMS expects a lower case registration ID when using electronic signature with authentication provider Case mismatch raises an error 500

*Fix:* registration ID is no longer changed to lower case

## **776245: Electronic signature : Usage Expression throws error when status of linked reagent requires signature for updates/edits**

*Description:* During a Link Reagent step in a protocol, if a default usage is configured to subtract from the reagent's amount field and that reagent's status is also configured to require an E-Signature for any edits, SLIMS will throw an "id to load is required for loading" error whenever an attempt to add usage is made.

*Fix:* No more error is thrown

## **776033: Excel import: Cancellation takes a very long time**

*Description:* During a big import of contents, clicking the cancel button takes a very long time to actually cancel the import (on a 10 000 samples import it can be one hour)

Refresh or opening a new tab does not stop the background import cancellation process and SLIMS can be slowed down until the process ends.

*Fix:* Cancel button stops import immediately.

## **774548: Simplified ELN : Readonly custom fields are not shown in form block**

*Description:* Custom fields on experiment run step that have the option "readonly" true are not shown when used in form block.

*Fix:* Custom field are displayed as readonly

## **772101: Administration manual : Role restriction on content type needs clarification about content type visibility.**

*Description:* Content types are not visible in the grids module for the roles who are not allowed to create content for this type. But the description of the "Only for selected roles" option in the administration manual is not clear about this: The content type (and not only contents of this content type) will not be accessible outside of the content type module by roles that don't have access to it.

*Fix:* Manual is updated to mention that restricted roles will be able to access it in the content type module only

## **767521: Administration manual : Lacks documentation about using password with non alphanumeric characters in emails**

*Description:* The manual does not document how to use a password containing a special character (such as "+")

*Fix:* Manual updated to mention that password must be set by calling the RAW() function to prevent issues with special characters.

## **767055: Orders : Clicking on the action menu of an order does not update order related panels**

*Description:* Selecting an order action menu and performing any of the actions proposed does not actually selected the order, causing the different panels (contents list, order details) to remain unchanged and display data from a previously selected order.

*Fix:* Other panel are updated

## **766862: Admin manual : Changed behaviour of join queues is not described**

*Description:* Starting from 6.7 there was a change in behaviour of join aggregator queues of any type of workflow (analytical and non-analytical). Before 6.7 requests were joined across orders, since 6.7 requests are only joined for the same orders. This is not described in the admin manual

*Fix:* Admin manual description if Join aggregator updated.

## **766035: Development manual: Missing multiplicity parameter description**

*Description:* The dev manual doesn't explain anything on how to use multiplicity.

*Fix:* Multiplicity is explained on page 27 (page 33 of the PDF).

## **763586: Logs : SLIMS log files a retained longer than 30 days**

*Description:* SLIMS log files are never deleted, while the log files older than 30 days should be deleted.

*Fix:* Logs are now correctly deleted.

## **761060: Singled order content : Fields restricted on content type are irrelevant in export**

*Description:* Having "Allow only one content record per order" enabled, restricted content type fields are not in the export, even if they are restricted to the exported content types.

*Fix:* Restricted content type fields are in the export,

## **759622: Workflow : Imported workflow cannot be versioned due to analytical methods with non-calculated test routes**

*Description:* When importing a analytical workflow from slimsshare with methods that have a manual selection of tests, the analytical method prevents versioning of the workflow.

*Fix:* Imported workflows can be versioned.

## **759126: Excel import : Database crashes during excel imports for location updates**

*Description:* Importing an excel file with a lot of locations can lead to a huge database transaction and crash the database.

*Fix:* Import per table can be restricted with the `-Dslims.maximumimportsize.` setting and `lctn_left` and `lctn_right` updates can be deferred with `-Dslims.excel.location.deferindexupdates` option.

## **747472: SLIMS Share : Empty Offending path exception when versioning a imported workflow**

*Description:* When versioning a workflow after import, an error is displayed "There are paths for requestable Element analyse where test TOC is never executed. Offending paths:"

*Fix:* Imported workflows can be versioned.

## **668529: Localization: Some strings related to Order and Label in History are non-localized**

*Description:* Some strings related to Order and Label in History are non-localized

*Fix:* String are correctly localized.

## **665647: SLIMS REST API: documentation on how to use authentication is insufficient**

*Description:* SLIMS REST API: documentation on how to use authentication is insufficient

*Fix:* REST API Authentication documentation was enhanced.

## **653158: Manuals: The supported Jasper Version(s) are not mentioned in the administration or development manual**

*Description:* Manuals: The supported Jasper Version(s) are not mentioned in the administration or development manual

*Fix:* Manual redirects to Technical Requirements to know which versions are supported.

## **532038: Localization: The Chinese characters of field ``usage" are too wide to fit on 1 line**

*Description:* Localization: The Chinese characters of field "usage" are too wide to fit on 1 line

*Fix:* Characters now fit on one line.

## **SLIMS 6.9.3**

## **791751: Macro : Execution fails with ``no error message"**

*Description:* When executing a macro step on orders, a null pointer exception can occur and server returns a ? Server returned FAILURE with no error message performing operation 'custom'. ? error message.

*Fix:* Code made robust to cope with empty order content that is causing an exception.

## **786342: Specifications : Rule with match specification does not work with non-numeric data type**

*Description:* When a product specification must match a non-numeric value (e.g "Pass") the rule evaluation fails even if the value (Pass) match the rule and the error message states that the value is expected, for instance ? Expected values: ["Pass"] ?

*Fix:* Value is save correctly and rule evaluation now succeed.

## **778044: Status workflow : Default status transitions can be deactivated from the grid**

*Description:* Some default status transition (in Default Order or Defaut Stability Study Template Publication Status Workflows for instance) can be deactivated from the grid while the "active" switch is greyed in the form

*Fix:* Editing of status workflow from the grid is disabled.

## **774653: REST API : Unable to create a mix**

*Description:* When using the rest api endpoint: /rest/actions/content/mix , a NoActiveUserFoundException error is raised

*Fix:* Mix can be created.

## **773936: Workflow : xsts\_fk\_groupingAnalyte: Field is required**

*Description:* A warning message "xsts\_fk\_groupingAnalyte: Field is required" always pops up when linking test to ELN result step, preventing from saving and versioning.

*Fix:* A Grouping Analyte is required only when Test requires an Analyte.

## **773554: Plugins : SLIMS does not apply camel-context policy to proactively publish route metrics from plugins**

*Description:* SLIMS does not proactively publish metrics from plugin routes : any metrics must be packaged into the individual plugins' camel-contexts.

*Fix:* Micrometer policy and heartbeat route added to all plugins.

## **773006: Printers: Not all columns can be selected when exporting printer jobs**

*Description:* When exporting printer jobs to Excel some columns such as "Content" cannot be selected

*Fix:* All columns are selectable for export.

## **772061: Notifications : Cause the window to unfocus and slow down the UI**

*Description:* When SLIMS receives a notification, the UI is redrawn and focus is lost. Being in a form when this happens causes form to jump to the top.

When a lot of notification are sent, the UI gets slower and slower.

*Fix:* Removed prompt from request updating notifications Added check on SlimsPanel visibility as well to decide whether to refresh the notifications grid

## **770202: Rich text editor: Cannot change the start value of a numbered list**

*Description:* When interrupting a numbered list in the rich editor, it is not possible to start another numbered list at any other number than one.

*Fix:* Start value of a numbered list can be changed

## **767595: Workflow : In a queue grid, selection checkboxes remain fixed when a sort is applied**

*Description:* In a workflow queue, if you check off a row, then apply a sort to one of the columns, the rows you checked off will remain checked off, even though there are now different content represented by that row.

*Fix:* Selection is now reset when sort is applied/modified

## **766939: Workflow : Run with content and derivates gives unsupported scenario error**

*Description:* A content with its derivates are linked to an order with a request (from request module, no product and spec involved) and an analytical method. When the contents are sent to the analytical workflow and a protocol run is started with all contents, an "unsupported scenario error: Found multiple requests" is displayed.

*Fix:* No Error is raised

## **766220: Results : long-running transactions can lead to duplicate Unique Identifiers**

*Description:* When doing result uploads, which can take 5-10 minutes, sometimes the upload will fail with a SQL constraint error referencing violation of the uniqueness of the result\_uniquelIdentifier field.

*Fix:* SLIMS does not re-use UID's

## **764385: Installation manual : no explanation on how to take a MS SQL database backup**

*Description:* The MS SQL manual tells to take a database backup, but there are no information on how to do it.

*Fix:* Installation manual updated with MS SQL database backup procedure.

## **762935: Reference data: Attachment column shows ``null" in reference data record list**

*Description:* The list of reference data records with an attachment does not show the correct attachment URL in the attachment column but shows "null" instead

*Fix:* Prevents any "file" column to be used as a display or sort column.

## **761110: Forms : Poor performance with lots of fields**

*Description:* A form with lots of fields (N/A, quantity, date,...) on content can take up to 20 seconds to display when opening the detail of a content

*Fix:* Opening details of a content don't slow down SLIMS.

## **759121: Groovy : Returning a quantity with simultaneousChanges fails upon creation**

*Description:* When using simultaneousChanges in a groovy with a quantity object, the simultaneous change fails during creation of the record.

*Fix:* Quantities can be returned in simultaneousChanges upon record creation.

## **759097: Attachments : opening attachment grid raises an exception**

*Description:* When opening or initializing an attachment grid an IllegalStateException is thrown because of a duplicate "attm\_currentlyLinked" field.

*Fix:* No exception occurs.



## **757727: Views : Advanced Highlight: ``is one of" does not allow user to select multiple values**

*Description:* When creating an advanced highlight, the user is able to select the "is one of" filter for some fields, but is not actually able to select multiple values

*Fix:* Checkboxes for multiple values selections are displayed and user is able to select multiple values from the list.

## **757514: Macros : Skippable steps not selectable as input for other steps**

*Description:* Skippable macro steps cannot be selected as 'Output from step as input' in other macro steps.

*Fix:* Skippable steps can be selected.

## **754453: Products: View fails to display when using sorting on several dynamic choice fields**

*Description:* When a view on products contains more than one sorting level that uses a dynamic choice field, an error message is displayed and the list of products remains empty.

*Fix:* Sorting on multiple dynamic choice custom fields is now correctly handled.

## **749114: Products: Importing/Exporting of products with large number of specifications can throw a connection error.**

*Description:* When importing or exporting products with large numbers of specifications the time it takes can result into the errors/warnings regarding connection loss with SLIMSShare or the browser just stating that something went wrong.

*Fix:* The browser no longer crashes.

## **746110: Grid templates: meta tree filtering provides useless query language box**

*Description:* When creating a grid template a useless query box for filtering is displayed on the meta tree branch.

*Fix:* Gridtemplate filter options no longer includes query box.

## **743667: Specification request in a requestable group does not show after versioning**

*Description:* Having a product with a specification, and a requestable group containing this specification, the "add requests" option of a QC Order containing content with this product should show the requestable for the specification. But after versioning the product, the requestable for the specification does not show up.

*Fix:* After versioning, only the new version of the specification is in the requestable group.

## **719801: Performance : Navigation in reference data module get slower and slower overtime**

*Description:* When you are navigating in the Reference Data module, moving from one reference data type to another one (and do this for all the ref data types you have) makes SLIMS becoming slower and slower.

*Fix:* see 761110

## **673030: Agilent Hosted Onboarding Manual: documentation on SLIMS GATE Remote required reauthentication is not sufficient**

*Description:* Agilent Hosted Onboarding Manual: documentation on SLIMS GATE Remote required reauthentication is not sufficient

*Fix:* Note added in manual for the need of reauthentication upon machine restart.

## **SLIMS 6.9.2**

### **782463: SLIMS REST : LDAP login does not work**

*Description:* Login with an LDAP account using the REST API does not work

*Fix:* Rest calls with LDAP user works.

### **771187: Products: In some cases the Products dropdown list cannot be opened if you have more than 2100 products**

*Description:* Products: The Products dropdown list cannot be opened if you have more than 2100 products, and SLIMS uses a MSSQL database.

*Fix:* Products: The Products dropdown list can now be opened if you have more than 2100 products

### **769986: Status workflow: Some active status transitions are read only**

*Description:* In the default order status workflow and default result status workflow, some active transition appears as read only and cannot be edited

*Fix:* All status transitions that need to be editable are now editable.

### **767211: License: Intermittent 'License is Invalid' Errors can be shown.**

*Description:* Sometimes the SLIMS License becomes invalid due to a hazelcast cache issue.

*Fix:* The error is no longer present.

## 765992: Simplified ELN : Link content block cannot enable "Can execute slimsgate flows" option

*Description:* On link content blocks there is a checkbox to be able to execute slimsgate flows on a selection in that block. This check box cannot be set to true, it jumps back, and no flows can be added.

*Fix:* Checkbox "can execute SLIMGate flow" can be checked.

## 764946: Administration manual: track usage in Link Reagent step is not clear

*Description:* Manual mentions that: Reagents have usage options that are different from the "Track Usage" and "Content Types for Usage" options that exist on other types of steps. When this option is enabled, usage options for both reagents and input content can be specified

But then it is only mentioned Reagent content types, and not "Input Content type" which can be misleading, as the "Reagent content types" field (dropdown list with options on each entry) should be used for both reagents and input contents.

*Fix:* Manual was updated

## 764603: SLIMS Share: Importing a new version of a workflow package can lead to not being able to version

*Description:* Importing a workflow of a specific package version and then later importing a newer package version can lead to a duplicate key error when versioning the workflow

*Fix:* It is now possible to import a newer version. The error is no longer displayed.

## 764076: Upgrades: It is sometimes impossible to upgrade to 6.8 from 6.7

*Description:* Upgrades: It is sometimes impossible to upgrade to 6.8 from 6.7. An error about fields with duplicated names is shown.

*Fix:* The upgrade to 6.8 now works as intended in this case.

## 763226: Protocols: Disabling track usage still decrement volume

*Description:* When a content type is defined as track usage with a default value for a protocol step, disabling the track usage in a newer version of the protocol does not disable the decrease of the volume at each run.

*Fix:* Usage is now working correctly

## 762200: Performance: Displaying orders with lots of contents takes long

*Description:* When an order has a lot of content linked (several thousands), selecting the order in the order module takes a long time.

*Fix:* Performance for this use case has been significantly improved

## **761493: Groovy : Simplified groovies do not work in Email Templates**

*Description:* Simplified groovies do not work as 'global' does not exist in EmailTemplate Service.

*Fix:* Email templates can be sent which contain Simple Groovy global() function

## **761268: Plugins: Memory leak in plugin logging**

*Description:* Some plugin logging configurations can cause a memory leak.

*Fix:* The memory leak is no longer present.

## **759920: SLIMS Rest: Unable to fill in Calibration date for instrument**

*Description:* When creating a new instrument via REST API, setting a calibration expiry date (nstr\_calibrationExpiryDate field) fails with a ClassCastException (class java.lang.String cannot be cast to class java.util.Date)

*Fix:* Adding calibration expiry date via Rest API works

## **759803: Products: A transport error appears when versioning a lot of products**

*Description:* When versioning a root product with a lot (~ 90) of child products (~15-20 specifications per product), an HTTP "Transport error" pops up after some time. No error is present in the slims.log file.

*Fix:* The transport no longer appears and versioning of products works as intended.

## **757838: SLIMS Share: custom field restriction on protocol run and protocol run step are not exported with the package**

*Description:* When some fields on protocol run or protocol run steps have restrictions on specific protocol or protocol steps, the state of the checkbox is exported but the list of protocols or protocol steps is not exported, making the workflow not complete as expected.

*Fix:* The list of protocol (run step)s is now also exported.

## **756323: Installation manual: CLL section does not mention installation on a http proxy**

*Description:* The SLIMS 6.8 Installation / Upgrade Manual mentions how to install the Common Licensing Layer (CLL) on a HTTPS proxy, but not on a HTTP proxy.

*Fix:* CLL section now mentions installation on a http proxy

## **756306: Orders: Results are not appearing in Orders Module**

*Description:* After completing a workflow, results are not showing in the Orders module neither in the "results overview" tab of the order, nor in the "results" tab of a selected content.

*Fix:* The results are now shown in the Orders and Content module.

## **755151: Performance: SLIMS allows to fetch all content at once.**

*Description:* It is possible to fetch all contents at once (using groovy, slimsgate flow or because of a bug) causing a possible out of memory issue on the server.

*Fix:* It is no longer possible to fetch all content at once. This can be overridden by setting `Drepositary.content.fetchall.disallow`.

## **755148: Attachments: SLIMS allows startup with missing file repository**

*Description:* SLIMS does not prevent startup when file repository is missing, which can mask a possible data lost.

*Fix:* SLIMS doesn't start when the file repo is missing. This can be suppressed with `-Dslims.allowemptyrepository=true`. The option is documented in the installation manual.

## **754516: Specifications: Filtering on checkboxes is not working**

*Description:* Filtering on the checkboxes for active, propagated and inherited is not working.

*Fix:* Filtering is now working

## **751217: Slimsgate: slimsgate.xml can break content module**

*Description:* When creating a plugin with a corrupted slimsgate.xml code designed for contentmanagement usage, this plugin can make the content module not accessible anymore.

*Fix:* When having a plugin without steps (or with another required element missing), an error will be visible in the SLIMS Gate log (but not in the Plugin log). The plugin itself still starts (For example Quartz routes will run) but the SLIMS Gate won't be loaded, and won't cause any modules to not load anymore.

## **750660: Fields: Inconsistent sorting of fixed choices list of possible values**

*Description:* The sorting of possible values for a fixed choice field is different depending on whether the field's checkbox "Multiple values" is set to true or false.

*Fix:* The choices are now always shown in the order they have been defined in (in the fields module).

## **749582: Excel import: A missing required field stops the import process causing the Excel file with all errors listed to be not correctly filled**

*Description:* During an Excel import in Content module, the import can fail after which an Excel file with all the errors listed can be downloaded. When the import fails because a required field is not filled in (at e.g. row 10), the import stops and the generated Excel file showing the errors only shows the feedback up to that row (10). No feedback for subsequent rows (>10) is shown.

*Fix:* The import now continues and goes through the complete excel file and subsequently shows all errors in

the error file.

## **749566: Custom fields: field on Location, Location type and Instrument can be flattened**

*Description:* It is possible to flatten a custom field on Location, Location type and Instrument. This should not be possible.

*Fix:* It is not allowed to flatten fields on Location and Instrument. It is documented that it's not allowed. If fields are already flat on Location or Instrument, they can still be saved.

## **743844: Custom fields: Restricted fields can be created on tables that do not allow restrictions**

*Description:* When creating a new custom field on a table that allow restrictions, one can check "only applicable to certain content types", for instance. Changing the table to one that does not support restrictions before saving will still save the field with the restrictions set, causing a exception when trying to display the field.

*Fix:* Field is created as an unrestricted field when table is changed to one that does not allow restrictions

## **743625: ELN : When deleting an experiment from the ELN, the protocols steps are not immediately removed from UI**

*Description:* When a experiment is deleted from the ELN tree, the steps panel is not refreshed and still displays the blocks of the deleted experiment.

*Fix:* Blocks from the deleted are removed from the UI.

## **738621: Content module: The Studies tab does not show fields of the Studies module.**

*Description:* In SLIMS 6.8, fields in the view of the studies tab in content management only show ContentStudy fields, while in previous versions of SLIMS, both Study and ContentStudy were shown.

*Fix:* Study field is shown in list of available columns when editing a view in the Studies tab of a Content.

## **737736: SLIMS Share: versioned grid templates block are shown in the main entities list**

*Description:* When a grid template of type block is linked to a simplified protocol which is then versioned, all "versions" of the grid template appear in the SLIMS Share module

*Fix:* Only the "draft" / strain is shown

## **737381: Sample Scheduler: Switching OLSSservers causes authentication issues**

*Description:* An error 'Invalid token' is displayed when trying to synchronize instruments after changing OLSS server to another one.

*Fix:* Instruments can be synchronized.

## **730406: Grid Templates: link columns (protocol run, protocol run step...) can have the wrong column name**

*Description:* Grid Templates: link columns (protocol run, protocol run step...) can have the wrong column name. The default name is always used.

*Fix:* Link columns now have the correct name, the one defined in the grid template.

## **692571: Text field : an error appears upon saving when certain specific text has been typed in**

*Description:* When the text field content reached the maximum number of allowed characters (255), using specials characters may cause the save to fail.

*Fix:* Lower clob limit to prevent db errors

## **657216: SLIMS installation manual: Prometheus documentation is insufficient**

*Description:* SLIMS installation manual: Prometheus documentation is insufficient

*Fix:* SLIMS installation manual: Prometheus documentation has been extended.

## **654689: Installation manual: section "Prometheus Integration with SLIMS REST" is incomplete**

*Description:* Installation manual: section "Prometheus Integration with SLIMS REST" is incomplete

*Fix:* The "Prometheus Integration with SLIMS REST" section has been expanded.

## **527196: Macros: Execution of a macro derive step: No evaluation happens to check if the suffix mask field contains**

*Description:* Macros: Execution of a macro derive step: No evaluation happens to check if the suffix mask field contains #. Derived samples however get a trailing number, even if no # is present in the suffix mask.

*Fix:* Check for # in suffix mask is always performed

## SLIMS 6.9.1

### **768563: Orders: Scheduling a QC order results in a NullPointerException**

*Description:* After migrating from 6.8 to 6.9, scheduling a QC order may result in a null pointer exception

*Fix:* Scheduling a QC order no longer results in a null pointer exception

### **760417: Workflow management: Concurrent change error when adding a new protocol before an existing node in the workflow.**

*Description:* In a workflow, when a protocol already exists between queues B and C, adding a new protocol upstream in the flow (from a new queue A to the existing queue B) raises concurrent change error. If added downstream, there is no error.

*Fix:* There is no error anymore.

### **759517: SLIMS Store: in standard-ilab plugin "assigned to" is a String instead of a list of Strings**

*Description:* The ilab api has a defect that causes the "assigned to" field to show as a string instead of a list of strings

*Fix:* The "assigned to" field is now shown as a list of strings

### **757450: SLIMS Store: ilab plugin cannot import multiple values from reference data**

*Description:* standard ilab plugin import in SLIMS fails with errorReferencedRecordNotFound error when form checkboxes are filled with multiple values from reference data.

*Fix:* The error no longer occurs.

### **757445: SLIMS Store: datetime from ilab form field is not imported for SLIMS orders**

*Description:* When importing data from a form field of ilab, the datetime cannot be imported on an order field.

*Fix:* Datetime from ilab form field is now imported for SLIMS orders

### **755685: Installation manual: There is a typo in the manual.**

*Description:* The SLIMS Installation / Upgrade Manual wrongly states that premium licenses require the premium functionalities to be disabled.

*Fix:* The mistake has been corrected



## **755704: Fields: date difference does not work on flattened fields**

*Description:* Once you flatten a date time field, other fields from type date difference do not work anymore if they depend on that field.

*Fix:* Date difference fields now work on flattened fields

## **752329: SLIMS Development manual: Broken URL to slimsgate-start-example plugin and some minor mistakes in code examples.**

*Description:* SLIMS Development manual: There is a broken URL to slimsgate-start-example plugin. Some other minor mistakes are present in the coding examples.

*Fix:* The broken URL and other mistakes have been corrected.

## **750736: Incorrect filtering when using the affectedBy restriction in groovy**

*Description:* When a groovy performs a fetch using the “affectedBy” restriction to filter data, the data may not be filtered in some cases.

*Fix:* The data is now filtered correctly in these cases

## **750314: OpenID Connect: Login with OpenID account does not work if you have an LDAP account with similar username**

*Description:* Having an OpenID external ID similar to a LDAP user name breaks the OpenID login.

*Fix:* OpenID login now works as intended

## **750222: Content: once in an inactive location, a content cannot be modified**

*Description:* If a content sees its location set to inactive, no modification will be done to it, but it is no longer possible to edit the content.

*Fix:* Content in an inactive location can now be modified

## **750094: SLIMS Installation manual: SLIMS Gate Upgrade section is not up to date**

*Description:* SLIMS Installation manual: SLIMS Gate Upgrade section is not up to date to the 6.8 API changes

*Fix:* The upgrade section is now up to date

## **749336: Installation manual: CLL configuration section requires update**

*Description:* The CLL configuration of the installation manual misses the location of the file that needs to be updated. The update instructions needs clarification about what to do when a section or a “ProxyPass /

http://localhost:8080/slims" entry already exists in the file Instructions do not mention that httpd needs to be restarted once the file update is done

*Fix:* The cLL configuration section has been updated.

## **749334: SLIMS Share: Attachment is not created in repo when imported**

*Description:* When importing a package from slimsshare which contains attachments (e.g. a report template), the attachments are not actually created in the repository.

*Fix:* SLIMS Share: Attachment is now correctly created in repo when imported

## **748776: Label template: It is not possible to print elements/fields that have role restriction**

*Description:* Printing a label containing fields with role restrictions fails and nothing is printed at all.

*Fix:* Printed labels now also contain the role restricted fields

## **747958: ELN: Required field restricted on simplified protocol does only appear after first selecting another protocol during simplified experiment creation**

*Description:* When a mandatory field is restricted to show only for a protocol that have the "Use sign off step" option enabled, it will not show in the UI when creating a new protocol.

*Fix:* The required "To be signed off by" field is directly visible upon the first (automatic) selection of the "Experiment template 1" protocol (in the "Add Experiment" pop-up window) on which this field is restricted.

## **744223: Database: MariaDB over SSL does not work**

*Description:* SSL for MariaDB is not correctly supported

*Fix:* SSL for MariaDB is now correctly supported (mariadb-java-connector has been updated from 2.1 to 2.7)

## **744165: Slims GATE: feedback type parameter does not work anymore when feedback contains HTML**

*Description:* A slimsgate flow that usually displays a feedback during the second step of the flow does not show the feedback anymore when it involves html formatting.

*Fix:* The html text needs to be encapsulated into a CDATA section. This is now mentioned in the manual.

## **744144: Manuals: Some manuals still refer to 6.8 instead of 6.9**

*Description:* SLIMS 6.9 Agilent hosted onboarding and development manual titles still refer to 6.8 instead of 6.9

*Fix:* Manuals now correctly refer to 6.9 and not 6.8

## 743214: Installation manuals: typos are present in the manual

*Description:* For MSSQL - Windows manual: The path to the Environment Variables setting panel is not up to date to latest windows versions. The connector definition contains an extra double quote, showing protocol="HTTP/1.1" instead of protocol="HTTP/1.1"

For MariaDB - Linux manual: The warning paragraph about files to be copied contains twice the word "the" in following sentence: "Also copy the SLIMS REST war files if the the REST API or the Python API is needed"

*Fix:* Typos have been corrected

## 743200: Installation manual: Command in MariaDB installation section does not work

*Description:* The command `mysql_secure_installation`, mentioned in section "2.2.3.2. Installing the MariaDB database" of the SLIMS 6.8 / 6.9 Installation Manual, does not work.

*Fix:* The installation procedure has been updated.

## 742928: Slims store: iLab plugin throws an exception if there are no service requests with a target status in the target instance

*Description:* If there are no orders in the target iLab core with one of the targeted statuses, the following line throws a null pointer exceptoin:

```
ilabApiSession.getIlabGetter().getAllServiceRequestsByStatusFromCore(requestStatusesToImport).stream()
```

*Fix:* The error is no longer displayed

## 742772: Product: Expected value disappears for match specification with operator "is one of"

*Description:* When creating a product using the match specification "is one of", the possible value of the test selected as "expected value" disappears when saving the specification.

*Fix:* The value no longer disappears

## 742847: Flags: Cancelling a content from a protocol run, prevents derived contents run step to load

*Description:* When a parent content is cancelled from a workflow protocol run, which has a sibling content that was flagged, then a warning message is displayed for its derived contents and sibling content in all following run steps. Also, the run step contents are not displayed in the run steps anymore.

*Fix:* Sibling and derived contents can be further processed in the subsequent run steps and there is no warning message.

## 741404: Slimshare: Biobank layout cannot be exported

*Description:* After migrating to 6.9, biobank layout package cannot be exported from the slimshare module: An error related to mtr prefix used for multiple tables occurs.

*Fix:* The Biobank layout can now be exported

## 741235: Installation manual: erroneous command to download the MariaDB repository

*Description:* Section 2.2.3.2. Installing the MariaDB database contains a typo in command to download the MariaDB repository, using a -O (uppercase O) option while it should be a -o (lowercase O)

Correct command is: `curl -Ls -o mariadb_repo_setup https://downloads.mariadb.com/MariaDB/mariadb_repo_setup`

*Fix:* The command has been corrected (-o instead of -O)

## 740931: Plugins: interactiveImportException.getExcelFile() does not always output a file

*Description:* Plugins: interactiveImportException.getExcelFile() does not output a file in case of validation errors

*Fix:* InteractiveImportApi.InteractiveImportException.getExcelFile() can be used to optionally retrieve an (Excel) error file resulting from a failed Excel import.

## 739099: Grid templates: Filter title displays ID instead of name

*Description:* When filtering the list based on a table, the column labels are replaced by their internal id.

*Fix:* The column labels are now correctly shown.

## 739002: SLIMS Store: iLab plugin only imports 15 services

*Description:* Running the iLab plugin against an iLab instance with more than 15 services only imports the 15 first services

*Fix:* All services are now imported, even if there are > 15.

## 738625: Study design: highlighting is not possible in the grid in study design

*Description:* In the study design, there is no tab for edit highlighting.

*Fix:* The tab for 'edit highlighting' has been added.

## **738277: SLIMS Share: MH Package with test requiring analyte throw out exception when ``Create default requestable for one test" is set to true**

*Description:* During the import of MassHunter integration store package, an exception thrown out which results in the failure of the whole package import.

*Fix:* The MH package can now be imported without errors

## **737393: Flat fields: Flattening fields on the Order table cause an error when accessing orders in SLIMS**

*Description:* Flattening an order field causes the message "Incorrect syntax near the keyword 'Order'" to be displayed when opening an order.

*Fix:* Flattening fields on the Order table now works fine

## **737408: Content: Warning on edition when status of record requires reason for change**

*Description:* When the lab settings "Electronic signature requires a meaning to be provided" is enabled and a content is in a status that has the "An electronic signature is required to edit records with this status" option enabled, editing a newly created content shows a empty warning window instead of the electronic signature dialog.

*Fix:* The electronic signature dialog is now correctly shown.

## **735551: Results : Impossible to restore cancelled results**

*Description:* When cancelling normal results, they can be restored in the Order Module or the Protocol run step, but not in the Content Module.

*Fix:* The functionality to restore cancelled results is now available in the Content Module

## **735613: Installation/upgrade manual: MariaDB upgrade procedure needs enhancement.**

*Description:* The current documentation of the MariaDB upgrade procedure is brief and does not describe the steps to take if the commands give anomalous output.

*Fix:* The upgrade documentation has been extended.

## **735174: Requestables: List is limited to 75 requestables**

*Description:* In the Requestables modules, only the first 75 requestable can be seen and searched, and only 1 can be exported.

*Fix:* Requestables: List is no longer limited to 75 requestables.

## **734299: Excel export: The time on generated Excel report is not correct**

*Description:* The time displayed along with the date in the Excel export template does not contain the correct time of generation of the template.

*Fix:* The time is now correct

## **732834: Slims Store: Fragment Analyzer CSV Import does not correctly import values when comma is used as decimal separator**

*Description:* A Fragment Analyzer file that is semi-colon (;) separated and has commas (,) to separate decimals (example 104,6259) has the decimal separator removed during the import and the values are imported without separator.

*Fix:* Comma (,) decimal separators are now replaced by points (.) during import, instead of being removed.

## **732237: User: User session does not terminate after logout**

*Description:* If a user logs into SLIMS with a concurrent premium user account and afterwards logs out of SLIMS, the user is still shown as "Logged in" and will occupy the concurrent license.

*Fix:* User session is now correctly terminated after logout.

## **731920: Order content: Duplicate order contents can be created due to difference in UIDs generated by upgrade script vs generation for new records**

*Description:* Duplicate order contents can be created due to difference in UIDs generated by upgrade script vs generation for new records

*Fix:* Order content: It is no longer possible to generate duplicate order contents.

## **731632: Plugins: reset configuration to default does not work**

*Description:* Clicking on "Reset configuration to default" in a plugin configuration will not reset it

*Fix:* see 719365

## **731439: Content categories: The restriction to selected roles does not disappear when specifying a value directly**

*Description:* In a content type category details, using the "specify a value..." option after having previously selected "apply a value..." and checked the "only for selected role option" does not disable the "only for selected role" When later coming back to change from "specify..." to "apply..." the "only for selected roles" option appears checked while it should not.

*Fix:* The checkbox "only for selected roles" is not checked. It is now automatically unchecked when "Specify a value directly.." is selected.

## 730855: Simplified protocol: Moving blocks updates timestamp

*Description:* When moving blocks in an experiment using a simplified protocol, the timestamp of the blocks is updated

*Fix:* The timestamp is no longer updated when moving blocks

## 729167: SLIMS API: addRequestService.createDefaultRequest does not allow duplicate requests

*Description:* addRequestService.createDefaultRequest service does not allow to add duplicate requests for 1 content (while SLIMS UI does).

*Fix:* SLIMS API: addRequestService.createDefaultRequest now allows duplicate requests

## 728857: SLIMS API: AddRequestService: it is not possible to use createWorkflowRequest without an order

*Description:* in addRequestService, the Order is mandatory to create a new workflow Request.

*Fix:* A request can now be created without an order by passing null for the order parameter of the createWorkflowRequest method of addRequestService.

## 728791: SLIMS GATE: SLIMS GATE flow gets stuck when clicking cancel on electronic signature window

*Description:* When opening a SLIMS GATE flow window and executing a process that requires a signature, clicking on cancel causes SLIMS to be stuck and requires a hard refresh.

*Fix:* The window no longer gets stuck and can be use as intended.

## 727693: Workflow: Concurrent error appears when trying to requeue contents/cancel run from an existing protocol run

*Description:* Intermittently trying to requeue a content or cancel a protocol run from the workflow module is blocked as "Concurrent changes have been detected"

*Fix:* The concurrent error no longer appears.

## 727403: Simplified ELN: The name tab of an existing experiment deselects when attempting to edit

*Description:* Within the ELN module, when attempting to change the name of an existing experiment (of Simplified type), the tab where you can enter/delete text for the name will automatically deselect after typing/deleting a few characters.

*Fix:* The name tab can now be edited without automatically being deselected.

## **725466: Content: Dynamic choice field with multiple values enables does not show up in grid**

*Description:* A Dynamic choice field with multiple values enabled breaks the display of the studies tab of a content.

*Fix:* A Dynamic choice field with multiple values no longer breaks the display of the studies tab of a content.

## **724145: SLIMS Share: linked test is not shown in detail**

*Description:* After importing products and specifications from SLIMS Share, the linked test is not shown in the pop-up detail.

*Fix:* Linked test is now shown in the pop-up detail.

## **723925: Excel import: Importing specifications for multiple products shows the same product for in all unique identifiers**

*Description:* From an excel template of specifications, it is possible to define specifications from multiple products. When importing this template, all specification will correctly be linked to their product, but their unique identifier will always use the first product as prefix. For instance, if the file contains specifications for "product\_one" and "product\_two", all specifications will have their unique identifier starting with "rule\_product\_one\_" even specifications for product\_two

*Fix:* The product value used in the specification unique ID now correctly comes from the product the specification is linked to

## **723419: Products: Having more than 2100 products prevents the product field from loading when using MS SQL database**

*Description:* Having more that 2100 products on a server running on Microsoft SQL Server database shows an SQL exception when trying to load the product field.

*Fix:* Product lists with over 2100 products can now be loaded.

## **721089: SLIMS api (on github): apiVersion is not up to date**

*Description:* The 4 templates have apiVersion set to 6.7.0, should be changed to 6.8.0 as it is the latest version. For slimsgate-template, the howToUseThisTemplate.md contains bullet points for test.com.genohm.slims.custom.beans.SayHelloTest which is not part of the template

*Fix:* master SLIMS-API on github is now up to date

## **720031: Performance: Product: Fetching too slow if you have a lot**

*Description:* ProductFetchService.getAccessibleProducts is slow when you have a lot of products

*Fix:* Fixed with 723419



## **720029: Performance: Fetching content in orders can be slow**

*Description:* Fetching content in orders can be slow. This is caused by fetching of the `rslt_status` field.

*Fix:* Fetching `rslt_status` can be disabled, significantly improving performance. The tomcat startup parameter `slims.performance.content.skipresultstatus` can be used.

## **719365: Plugins: ``reset config to default" erases the config**

*Description:* In the plugin module, clicking on Reset configuration to default, erased the configuration.

*Fix:* 'Reset configuration to default' now works correctly

## **717320: Content: SQL server has the limitation that you cannot do queries with more than 2100 parameters**

*Description:* By clicking on the dropdown arrow for products in content detail tab, SLIMS starts loading for about five seconds and then throws the Warning "The incoming request has too many parameters. The server supports a maximum of 2100 parameters. Reduce the number of parameters and resend the request."

*Fix:* See 723419

## **716497: Contents module: Childs in a tree get updated without changes after you save a propagation field**

*Description:* Derivation trees can be very big, and in this case, updating the root record can take a lot of time because when "propagate changes to derivations" is enabled, it updates all children even when the child is not changed at all.

*Fix:* The children are no longer updated when nothing changes. This can improve performance significantly.

## **716390: SLIMS Rest: The REST manual is missing an example of a fetch request with a list of criteria**

*Description:* The SLIMS Rest API manual has no example of how to write a fetch request with a list of multiple advanced criteria.

*Fix:* An example has been added to the manual.

## **712985: Stability study: It is impossible to add description in Stability study design template**

*Description:* Description entered in the Stability Study Template Details tab is not saved

*Fix:* Stability study: It is now possible to add description in Stability study design template

## 712886:

*Description:*

*Fix:* SLIMSAPI: recordQueries now have findByUniqueIdentifier available. All recordQuery classes can now fetch by unique identifier. The return value is a Map<String, Object>.

## 708517: SLIMS GATE: It is impossible to add unversioned products

*Description:* The product that is added on the default product field can be without any versioning in SLIMS UI, but adding a product on this field via plugin can still result in an error if the product is not versioned.

*Fix:* It is no longer possible to add unversioned products. Products from the product module are added as a draft on the Content Products from the study design module are added as a version on the Content.

## 696133: ResultTableField are not restricted by type in MiSEQ package

*Description:* The Table Fields related to Tests (Reverse\_FastQ, Forward\_FastQ) created by the MiSEQ package are created with a resultTableField which is not restricted by type. This may cause error when import packages between SLIMS instances.

*Fix:* The relevant table fields are now restricted by type.

## 690115: Installation manual: It is not clear where CLL licensing files need to be obtained from

*Description:* Installation manual: It is not clear where CLL licensing files need to be obtained from. Manual mentions "the linux subfolder" instead of "On the customer zone in the installations/6.8/linux subfolder".

*Fix:* Manual has been made more explicit on where to download licensing files.

## 689344: Localization: Several resources are not translated into French

*Description:* Localization: Several resources are not translated into French

*Fix:* French translations have been added

## 689003: Localization: Several German translations are missing

*Description:* Localization: Several German translations are missing

*Fix:* German translations have been added

## 673858: SLIMS admin manual: broken link in the Scheduled Jobs Module section

*Description:* SLIMS admin manual: broken link in the Scheduled Jobs Module section

*Fix:* The link has been corrected

## **669102: Specifications: Expected value is not saved for Fixed Choice tests**

*Description:* Specifications: Expected value is not saved for Fixed Choice tests

*Fix:* Specifications: Expected value is now saved for Fixed Choice tests

## **663188: SLIMS Installation manual: several instructions are not clear enough**

*Description:* SLIMS Installation manual: several instructions are not clear enough

*Fix:* Several small changes have been added to the SLIMS installation manual

## **660248: SLIMS install manual: troubleshooting section does not contain info on maintenance plan setups for MSSQL databases**

*Description:* SLIMS install manual: troubleshooting section does not contain info on maintenance plan setups for MSSQL databases

*Fix:* The troubleshooting section now contains info on maintenance plan setups for MSSQL databases

## **658841: SLIMS Installation manual: Timezone support for MariaDB 10.6 doesn't work with instructions in manual**

*Description:* SLIMS Installation manual: Timezone support for MariaDB 10.6 doesn't work with instructions in manual

*Fix:* Instructions in the manual for Timezone support now also work for MariaDB 10.6.

## **657757: The column ``Product (filtering without version)" has lost its function**

*Description:* The column "Product (filtering without version)" has lost its function

*Fix:* The column "Product (filtering without version)" works as intended

## **657751: Worklists: column width is too narrow and cannot be changed**

*Description:* Worklists: column width is too narrow and cannot be changed

*Fix:* Column is now resizable

## **657742: SLIMS Development Manual: there is no complete list of all available services in the public API**

*Description:* SLIMS Development Manual: there is no complete list of all available services in the public API

*Fix:* A list of all available services in the SLIMS API has been added to the development manual.

## **648300: Fields: Date difference with too big differences or rounding make the records unavailable**

*Description:* Fields: Date difference with too big differences or rounding make the records unavailable

*Fix:* Fields: Date difference with very big differences now also works as intended

## **647531: Order: `Add or remove requests for this order' pop up keeps shaking and throws an error.**

*Description:* Order: 'Add or remove requests for this order' pop up keeps shaking and throws an error.

*Fix:* The error no longer appears and the pop up is not shaking anymore.

## **646914: Sorting on comparator quantity field does not work**

*Description:* Sorting on comparator quantity field does not work

*Fix:* Sorting on comparator quantity field now works correctly

## **645418: The fields ``Reverse fastQ" and ``Forward FastQ" from the miseq package do not show up in the fields module.**

*Description:* The fields "Reverse fastQ" and "Forward FastQ" from the miseq package do not show up in the fields module.

*Fix:* see 696133

## **634908: SLIMS API manual: lacks documentation on option**

*Description:* SLIMS API manual: lacks documentation on option

*Fix:* Instructions for have been added

## **567282: SLIMS Cloud: Rich text: unable to upload certain images**

*Description:* SLIMS Cloud: Rich text: unable to upload certain images

*Fix:* Certain attachment extensions cannot be uploaded in Rich Text blocks. The error message is now more clear.

## 544106: SLIMS REST API: Advanced Criteria documentation are slightly unclear for `combining criteria' as part of Complete Request

*Description:* SLIMS REST API: Advanced Criteria documentation are slightly unclear for 'combining criteria' as part of Complete Request

*Fix:* see 716390

## SLIMS 6.9.0

### 731574: Admin manual : ``Configuring a Sample Scheduler Workflow" section miss the link to Analytical section

*Description:* Chapters displays ??? instead of actual link to the analytical workflows part

*Fix:* Manual contains a correct link to Configuration section for Analytical Workflows

### 731433: Grid Templates : custom DateTime field filter options in grid only allow filtering by date

*Description:* When filtering on a custom date/time field while viewing a grid, the time options are not present in the filter selector and only entire days can be chosen

For both the selected start and end date, the time used appears to be midnight, despite being shown "12:00" in the UI. For example, when making filter Nov. 16th - Nov. 17th, no dates from the 17th would be included. It appears that this filter behaves as Date on or after Nov. 16th at midnight and Date one or before Nov. 17th at midnight

*Fix:* Filtering can now be done with a date range taking into account the date and the time.

### 731160: Not possible to start SLIMS with an empty DB or a DB from before 6.6

*Description:* Starting from an empty database or from a database earlier than 6.6 fails

*Fix:* It is now possible to start SLIMS with an empty DB or a DB from before 6.6

### 730711: Attachments: Permissions are ignored when downloading attachments

*Description:* Users can download attachments from an ELN project they had access to, despite the attachments were created with a restriction preventing them to do so.

*Fix:* Permissions are now correctly applied when downloading attachments

## **729996: Products: Specification shown in child product is actually specification of parent product**

*Description:* Having a product which has a child product, the specifications shown in the child product are the ones linked to the parent product. Any change made (i.e. active / propagated) on the child product is actually set on the main product specification instead of the child.

*Fix:* The correct specifications are now shown

## **727162: Content: Using arrow down and up in quantity items is not working correctly**

*Description:* Using arrow up and down to navigate between rows in content grid may stop working when content has quantities fields.

*Fix:* Using the up and down arrow now works correctly

## **725993: Reference data: Records disappearing as selection options from Dynamic Choice dropdowns**

*Description:* In some cases, reference data records stop showing in Dynamic Choice fields dropdown list.

*Fix:* See 723263

## **724179: SLIMS Share : Restrictions are lost during export/import**

*Description:* Content type, printer, and other restrictions are not conserved when migrating content with SLIMS Share.

*Fix:* SLIMS Share import and export now correctly handle ContentType and LabelTemplateContentType.

## **724025: Custom fields: Field name (unique identifier) is not generated automatically when copying a field**

*Description:* Field name (unique identifier) of a custom field is not generated automatically based on the field label when a field is copied to create a new one

*Fix:* Field name is now automatically generated when copying a field. This is a default and can be changed.

## **723925: Excel import: Importing specifications for multiple products shows the same product for in all unique identifiers**

*Description:* From an excel template of specifications, it is possible to define specifications from multiple products. When importing this template, all specification will correctly be linked to their product, but their unique identifier will always use the first product as prefix. For instance, if the file contains specifications for "product\_one" and "product\_two", all specifications will have their unique identifier starting with "rule\_product\_one\_" even specifications for product\_two

*Fix:* The product value used in the specification unique ID now correctly comes from the product the specifica-

tion is linked to

## **723780: SLIMS Share: In some circumstance, export of two protocols in a same package is impossible**

*Description:* Using SLIMS Share, a user cannot select 2 protocols to create a package, there is an error popping up. Issue appears intermittently, and source of the problem is not clearly identified yet. It could be linked to the protocol name

*Fix:* It is now possible to export 2 protocols in one package in those circumstances.

## **723676: Study design: copying a specification without name results in no copy at all**

*Description:* Copying a Study Design visit type specification without completing the "Name" fails, and no copy is made.

*Fix:* The name field is now a required field

## **723655: Simplified ELN: When using Chinese characters, no more than 4 characters can be used in module names**

*Description:* When changing the name of simplified ELN module, when typing in Chinese characters with more than 4 characters, from the fifth one, it will turn out to be latin alphabet rather than Pinyin.

*Fix:* Using Chinese characters now works as intended

## **723263: Reference data: Users are able to inactivate reference data records from content module**

*Description:* When a field on Content table is referencing a reference data type, if the "Can create reference data records from within a dynamic choice custom field" option is enabled, users have the option to disable reference data entries when selecting the field in a content

*Fix:* Reference data: Users are no longer able to inactivate reference data records from content module

## **722199: Macros: create location step has "active" property set to false by default**

*Description:* When creating a new step of type "Create location" in a macro, the default value for the "Active" property is set to false (inactive)

*Fix:* The default is now set to true.

## **721801: ELN: Simplified Form block needs extra refresh**

*Description:* When creating block form on simplified protocol, SLIMS needs to be refresh (again) after instantiating the first run of this protocol to be able to see those fields

*Fix:* It is no longer needed to refresh SLIMS after versioning an experiment template containing a form block.

## **719960: Scan module : When running a macro the ``new Date();" always return the date of macro execution**

*Description:* When running a macro that sets (using "new Date()" in the field value expression) the content event to the current date/time inside the scan module, the date/time remains the same for all scanned barcode.

*Fix:* Fixed in 6.9.0: The new Date() groovy is called and date is updated each time a scan is made

## **720022: SLIMS Share: import of attachment can result in the wrong attm\_path**

*Description:* In some cases the import of attachment can result in the wrong attm\_path.

*Fix:* The attachment path (attm\_path) is now always correct after an import

## **719856: Installation manual : Incorrect commands for chrony service installation for RHEL 8**

*Description:* In the "Install timeserver" section, the "For RHEL 8:" subsection contains a typo (an extra d) in the install command. The correct command being: yum install chronyd

It also misses the commands to enable and start this service: systemctl enable chronyd systemctl start chronyd  
systemctl status chronyd.service

*Fix:* Installation manual now mentions chrony instead of chronyd in the installation command

## **719468: Attachments: icon does not work in content module order tab**

*Description:* In the Orders tab of the Content module, there is a paperclip icon for viewing attachments on the order. Hovering that icon shows the correct count of order attachments in the tooltip, but when clicking on the icon shows no attachments displayed in the Attachments popup that opens.

*Fix:* Attachments: icon now works again in content module order tab

## **719032: Installation manual : two ``Agilent licensing Flexera" directories are misspelled**

*Description:* In the Common Licensing Layer (CLL) chapter of the installation manual, the CLL installation section mentions two Agilent Licening Flexera directories using an uppercase A instead of a lower case one. As Linux systems are case sensitive, they are thus indicating wrong directories. Correct directories are: Install directory: /opt/flexnetls/agilent Data Dir: /var/opt/flexnetls/agilent

*Fix:* Installation manual now shows correct case in agilent directory



## **717278: Macro: Drop down list is not visible during execution for specifying new value for content type**

*Description:* In a macro step of type Edit content, if the Type is marked as “Show during execution”, the drop down list is not showing consistently.

If “Keep at current value” is selected at the macro level, when switching to “Specify new value” during the execution, the drop down list won’t be displayed.

If “Specify new value” is selected at the macro level, the drop down list is there, but disappear when switching to “Keep value” and back to “Specify new value”.

*Fix:* Macro: Drop down list is now visible during execution for specifying new value for content type

## **716334: Administration manual: Timezone format for history change is incorrect in the manual.**

*Description:* Changes section in history shows Date & Time values in UTC (which is required for compliance) while the manual states it is in Local Time.

*Fix:* The manual has been corrected. The time is correctly shown in UTC.

## **716332: Slimsgate REST: Exceptions thrown from a plugin are treated as internal server error without error message**

*Description:* In a plugin (started via Rest), if an exception is thrown, it is in the end treated as an internal exception without any message.?

*Fix:* The response body now contains the error message.

## **715261: Analytical workflows: Duplicate key error appears when versioning analytical workflow protocol**

*Description:* When trying to version a protocol in an analytical workflow, an error pops up saying “Duplicate key”

*Fix:* The error is no longer present

## **714585: Plugins: Attachment counter is not working.**

*Description:* The attachment counter (paper clip) in the plugin module always shows 0

*Fix:* The attachment counter is now working correctly

## **713539: Macros : Restrictions on type does not work when a macro auto starts with different content types as input.**

*Description:* If a macro with restriction on content type is automatically started in a protocol step in which there are contents of 2 different types, all the contents are processed independently of the type.

*Fix:* The restrictions are now correctly applied.

## 712603: License: Unable to use certain features for Read only roles after migrating to 6.8

*Description:* After upgrading to 6.8, some features are not available anymore for read only roles: - Filter by location - Filter by project - Filter by requestable - Filter by order - Filter by study - Layout configuration - Can link content to picklist - Can unlink content from picklist - Allow editing of the grid template for content grids - Study tab in Contents module - Reports - Can execute drafts of report templates

*Fix:* The relevant features are now working for basic (read-only) users.

## 712110: ELN: Color picker makes SLIMS non-responsive.

*Description:* After selecting a color in the color picker on a table in an ELN text block, SLIMS stays greyed out instead of taking the user back to the dialog that launched the color picker.

*Fix:* The color picker now works as it should

## 711826: Simplified ELN: Copy-pasting a figure into text block shows unexpected error message

*Description:* When a figure is copy-pasted to an ELN text block, the message "File successfully uploaded" is displayed along with an unexpected "Incorrect server response" message

*Fix:* The 2 messages do not show up anymore. When copy-pasting, only a loading bar shows up while the file is being uploaded.

## 709928: Installation manual: Layout issue in manual leads to wrong SLIMS properties

*Description:* The "Additional SLIMS properties" table in the installation manual has a too narrow "Property" column, leading to erroneous property names: The pathToJasperReportsFontsJar property is wrongly hyphenated to pathToJasperReportsFonts-Jar The slims.remote.heartbeat\_interval property overflows on the "Possible values" column, making it difficult to read and easily misread as "slims.remote.heartbeat\_interva"

*Fix:* In the installation manual, extra hyphen was removed from pathToJasperReportsFontJar property, and newline was inserted in slims.remote.heartbeat\_interval to ensure it is fully visible

## 708351: Detail tab of content does not show correct tooltip for dynamic choice fields

*Description:* For a dynamic choice field, when a tooltip is defined, it doesn't appear when hovering over the field in the detail tab of a content. Instead, it shows the description of the referenced record (when a value is filled in for the field) or it shows no tooltip at all (when no value has been filled in for that field yet).

*Fix:* Detail tab of content now shows the correct tooltip for dynamic choice fields

## **707172: Plugins: Requests from requestables with fixed sequence settings can be added with an empty panel field**

*Description:* When creating a request in a plugin, it can be created with an empty `rqst_fk_panel` while the requestable has fixed sequence settings.

*Fix:* The request is now created with the fixed sequence settings

## **702811: When creating a field, settings for a given table are kept when changing table**

*Description:* When creating a field, selection options that are applicable to fields on a certain table are not removed when the table is changed. For instance, creating a field on Content table allows to set the required option which is not available for fields on Protocol Run Step table. But when creating the field, changing the table from Content to Protocol Run Step after having set Required to true will keep the field mandatory when clicking on the create button.

*Fix:* The fix will prevent this to happen for new fields, but existing fields will keep their unwanted "required" option and they will still need to be deleted and created again to get fixed.

## **702808: New content requires barcode when amount is changed to a lower value**

*Description:* Creating a new content allows to create multiple contents at once. When "use barcode as id" is turned on and "slims generates a barcode for content of this type" is turned off, the "barcode" field is shown as many times as the specified amount of content. For instance, choosing to create 5 content will show 5 barcode lines (Barcode 1, Barcode 2, and so forth). Changing the amount to a lower value will reduce the number of barcode lines, but when validating the content creation, SLIMS will complain that barcode is required (for the lines that were removed).

*Fix:* The barcode requirement validation now works correctly.

## **701714: Attachment filter default filter doesn't show the "Currently linked" option and displays the wrong label**

*Description:* The default view filter on attachment shows "Name", but it is not what is currently filtered. It should be "Currently linked".

*Fix:* Default filter now shows the correct options.

## **700235: Null `pcgd_recordPK` values in `packageGuid` table when using `slimsshare`**

*Description:* On an empty DB when importing multiple `slimsshare` packages, at the point of the status workflow import, an error is raised.

*Fix:* Import works correctly.

## 699886: Result tab loading forever in case of relation loop

*Description:* Having a relation loop (like content A being ingredient of B and C, and B and C both being ingredients of A) will result in Result tab of Content module to load forever.

*Fix:* Result are shown and the modules does not load forever.

## 699615: SlimsProxy logging: sending logs to the client is slow

*Description:* Logging a lot with SlimsProxy might slow down the client, making it unresponsive until all logs are received from server. With several thousands of log entries, it can take several minutes.

*Fix:* SlimsProxy logging performance has been improved

## 698533: Installation manual: Error in the proxypass redirection for licensing

*Description:* In the “2.2.7.1. Common Licensing Layer (CLL)” section of the manual, the proxypass redirection of licensing reads https while it should be http

*Fix:* Proxypass redirections described in the installation manual now use http

## 697782: Installation manual shows an erroneous command for database backup

*Description:* Section 3.2.2.1.3 of the installation manual contains a wrong command for performing the database backup. The correct command is: `mysqldump -u DatabaseUser -p[DatabaseUserPassword] [database name] > [backup name].sql`

*Fix:* The backup command is now correct

## 696641: Unique identifier is not shown for container type

*Description:* In the container type module, the field for the unique identifier is not shown either for creation of a new container or for existing containers.

*Fix:* Unique identifier field is now shown.

## 696113: Rule evaluations: records cannot be sorted on content fields

*Description:* Rule evaluation records cannot be sorted (Rule evaluations module) when more than 75 records are present.

*Fix:* Sorting has been disabled on content column in the Rule Evaluation module. Sorting is still enabled in all other places where Rule Evaluations are shown.

## **694950: Installation manual: the java and tomcat upgrade chapters are not clear in the windows manuals**

*Description:* Installation manual: the java and tomcat upgrade chapters are not clear in the windows manuals

*Fix:* The relevant chapters have been improved

## **689535: Localization: History for order labels is not translated into German**

*Description:* Localization: History for order labels is not translated into German

*Fix:* Labels are translated into German.

## **687769: Rule evaluations: columns cannot be sorted**

*Description:* Rule evaluations: columns cannot be sorted

*Fix:* Sorting has been disabled on content column in the Rule Evaluation module. Sorting is still enabled in all other places where Rule Evaluations are shown.

## **687024: Development manual: manual is lacking remote debugger instructions**

*Description:* The development manual does not contain any instructions on how to set up a remote debugger on SLIMS Gate service

*Fix:* The manual now contains instructions on how to setup a remote debugger.

## **682168: Report template : Exception warning message while creating add root with out enter any fields**

*Description:* When creating a new Report Template, not filling mandatory fields shows an exception warning instead of a clean error message

*Fix:* Mandatory fields are highlighted.

## **681718: Custom fields: When copying a field the name is not autosuggested for correct formatting**

*Description:* Custom fields: When copying a field the name is not autosuggested for correct formatting

*Fix:* Name is now automatically filled based on label value.

## **681055: Products and Specifications: comma separated numbers are not saved and no error is given**

*Description:* Products and Specifications: comma separated numbers are not saved and no error is given

*Fix:* An error saying that values are invalid as a period is expected as decimal separator.

## **675985: Slims Share: sort on id for packages is alphabetic instead of numerical sorting**

*Description:* Slims Share: sort on id for packages is alphabetic instead of numerical sorting

*Fix:* Slims Share: sort on id for packages is now alphabetic

## **673969: Order module: cannot filter on Product column in the Request overview tab in the order module**

*Description:* Order module: Filtering on Product column in the Request overview tab in the order module has no effect

*Fix:* Filter on content columns is not possible anymore in the request overview tab.

## **667476: SLIMS SHARE: Fields: Importing previously deleted fields is not possible**

*Description:* SLIMS SHARE: Fields: Importing previously deleted fields is not possible

*Fix:* SLIMS SHARE: Fields: Importing previously deleted fields is possible

## **667389: Grid templates: Adding a column of the same field twice breaks the grid remake**

*Description:* Grid templates: Adding a column of the same field twice breaks the grid remake

*Fix:* It is now impossible to add two times the same column on a grid template if it's on the root.

## **666981: Protocol Steps: restricted by 'can execute slimsgate flow' still shows all flows**

*Description:* Protocol Steps: restricted by 'can execute slimsgate flow' still shows all flows

*Fix:* Only the slimsgate flows allowed for this runStep appear in the selection menu

## **665353: Locations: Inconsistent Error Message for Moving Locations**

*Description:* Locations: Inconsistent Error Message for Moving Locations. The same action gives a different error message when moving in the content module or in the location module.

*Fix:* SLIMS now displays the "Sublocations of selected type cannot be added to this location type" error message

## **664248: Lab settings: changed SMTP address is not immediately used by SLIMS (GATE)**

*Description:* Lab settings: changed SMTP address is not immediately used by SLIMS (GATE). This can lead to emails going to the wrong addresses.

*Fix:* SMTP change is now immediately taken into account

## **663194: Widget: description cannot be more than 1000 characters**

*Description:* Widget: description cannot be more than 1000 characters

*Fix:* Widget description can be more than 1000 characters.

## **662521: Content: Import error with non unique groups name**

*Description:* Content: Import error with non unique groups name. Group cannot have the same name as an existing role.

*Fix:* Added a criteria in the internalization of group name so that only standard groups are searched

## **662452: Views: Advanced highlight in view not working on content when no fields are selected**

*Description:* Views: Advanced highlight in view not working on content when no fields are selected

*Fix:* advanced highlight in view not working on content when no fields are selected

## **661166: ELN: When linking reagents a second time, the usage grid needs to be refreshed before adding a usage or the usage will be blank**

*Description:* ELN: When linking reagents a second time, the usage grid needs to be refreshed before adding a usage or the usage will be blank

*Fix:* Usage grid is refreshed automatically when adding a new reagent, link reagent or link reagent and back

## **660727: Workflow and macro: run on start of step doesn't work if more than one macro with restrictions on applicable types is present**

*Description:* Workflow and macro: run on start of step doesn't work if more than one macro with restrictions on applicable types is present

*Fix:* When multiple macros are present in a protocol step, they are run as expected on the restricted types they apply to.

## **660222: Orders: deleting a request via the ?Request overview? tab does not completely delete the request.**

*Description:* Orders: deleting a request via the ?Request overview? tab does not completely delete the request.

*Fix:* Orders: deleting a request via the ?Request overview? tab now completely deletes the request.

## **660137: SLIMS installation manual: small mistakes with certain images**

*Description:* SLIMS installation manual: an image contains the name of a customer + two image are too small

*Fix:* Customer name was removed from figure, and figures are now big enough for reading.

## **659685: Orders: Nullpointer when reverting order that is `in progress`**

*Description:* Orders: Nullpointer when reverting order that is `in progress`

*Fix:* When reverting an order and not specifying a new status, no exception is thrown.

## **655400: Incorrectly entered Japanese date format is not validated correctly**

*Description:* Incorrectly entered Japanese date format is not validated correctly

*Fix:* Japanese dates are correctly validated

## **655330: Result blocks do not allow views**

*Description:* Result blocks do not allow views

*Fix:* Result blocks allow views

## **655025: Datetime field values are missing in ``Test Single choice grid``**

*Description:* When user execute "Test Single choice grid" on content that have specified custom fields (datetime) grid doesn't show values

*Fix:* Fixed on 6.9.0: All custom fields have values

## **652602: Sample Scheduler: Sequence rollout does not work via SLIMS**

*Description:* Sample Scheduler: Sequence rollout does not work via SLIMS

*Fix:* Sample Scheduler: Sequence rollout via SLIMS now works correctly



## **653193: Studies: an unusable 'add CRF button' is shown when the study does not allow CRF**

*Description:* Studies: an unusable 'add CRF button' is shown when the study does not allow CRF

*Fix:* An error message is shown with the following text: "There are no applicable case report forms for this event"

## **653057: Groups: Virtual groups are present in the filter dropdown for the original group field**

*Description:* Groups: Virtual groups are present in the filter dropdown for the original group field

*Fix:* The virtual groups are not present in dropdown filter for Original group field.

## **650632: Reference data: Reference data records with a non editable status in a status workflow cannot be copied**

*Description:* Reference data: Reference data records with a non editable status in a status workflow cannot be copied

*Fix:* Reference data records with a non-editable status in a status workflow can be copied

## **649016: Performance: the workflow module is redrawing (refreshing) itself too much**

*Description:* Performance: the workflow module is redrawing too much. It should only redraw when something actually changes.

*Fix:* Workflow only redraw if something changed.

## **645363: Customizations: StringUtil.getAsFloat(String) does not throw an error**

*Description:* Customizations: StringUtil.getAsFloat(String) does not throw an error

*Fix:* No error is thrown, returning null when conversion fails is the expected behavior.

## **645281: Reference Data: Multiple copy of Reference data record is not possible because of unique identifier validation**

*Description:* Reference Data: Multiple copy of Reference data record is not possible because of unique identifier validation

*Fix:* Reference Data: Multiple copy of Reference data records is now possible

## **644896: Grid Template: Checkbox fields do not display consistently**

*Description:* Checkbox fields do not display consistently: For a false value, it sometimes shows "False", and sometimes shows a empty checkbox For a true value, it sometimes shows "True", and sometimes shows a checked checkbox

*Fix:* When a field is null or false, it always displays an empty checkbox When the field is true, it always displays a checked checkbox, When the field is NA, it always displays NA

## **639069: SLIMS GATE: ScheduleOrderService api causes a SQLLock exception if it's done following other transactions**

*Description:* SLIMS GATE: ScheduleOrderService api causes a SQLLock exception if it's done following other transactions

*Fix:* Issue is not reproducible anymore.

## **636870: Simplified ELN: Form block: rich text field does not adapt size to content**

*Description:* Simplified ELN: Form block: rich text field does not adapt size to content

*Fix:* Rich text field adapts to content to a certain point where scrolling takes over

## **628156: Groovy: Result groovy is not evaluated when the result status changes while slims.performance.resultstatus.flushtgether is used**

*Description:* Groovy: Result groovy is not evaluated when the result status changes while slims.performance.resultstatus.flushtgether is used

*Fix:* This performance flag is deleted in 6.9

## **591679: Units: the micro sign is not correctly displayed in the grids module.**

*Description:* Units: the micro sign is not correctly displayed in the grids module.

*Fix:* Micro sign is correctly displayed in the grid module.

## **585190: Files can not be added to rich-text dashboard widget using the ?Add a file? button.**

*Description:* Files can not be added to rich-text dashboard widget using the ?Add a file? button.

*Fix:* Files can now be added to rich-text dashboard widget.

## **531759: Views: blue icon: Unexpected behaviour when saving view**

*Description:* A view icon is normally gray and becomes blue when the view has been edited and not yet saved. When the changes are saved, the icon remains blue while it should become gray again.

*Fix:* This will not be fixed.

## **523988: Reference Data: The Name Field is not emptied after clicking 'Create and Add another record'**

*Description:* Reference Data: The Name Field is not emptied after clicking 'Create and Add another record'

*Fix:* The Name Field should be empty after click Create and Add another record.

## **515996: UI: SLIMS top bar looks unfinished**

*Description:* The SLIMS top bar has an empty space between the modules and the notifications / user

*Fix:* The top bar is continuous

## **503713: SlimsShare: Layout migration between SLIMS major versions does not work**

*Description:* SlimsShare: Layout migration between SLIMS major versions does not work

*Fix:* Not implemented yet.

## **487637: Macros: Create content: only one box for barcode input shows up when amount of content records > 1**

*Description:* Macros: Create content: only one control for barcode input shows up when amount of content records > 1. This is only the case when content type is not shown during execution.

*Fix:* They are as many controls as content records.

## **451554: Slimsgate Plugin: when editing values in a previous plugin step, changes are not reflected in current step**

*Description:* Slimsgate Plugin: when editing values in a previous plugin step, changes are not always reflected in current step

*Fix:* Changes for input in the previous step are reflected in the next step

## **451490: Issue with rules**

*Description:* Rules depending on a field value for a field that is no longer applicable for the current content type, are still evaluated as if the field is applicable.

*Fix:* The rule is not applied anymore, as the field is not present in this content.

## **435820: slims-python-api: fixed sequence settings are not being added automatically on a request**

*Description:* slims-python-api: fixed sequence settings are not being added automatically on a request

*Fix:* see 707172

## **433003: Grid templates: unable to change join type ``inner" to ``left"**

*Description:* Grid templates: In some cases it is impossible to change join type "inner" to "left". This is at least the case when 'Max' 'Created on' is active.

*Fix:* It is again possible to change the join type.

## **429859: Macro: Add event in batch mode: inconsistencies in field values with groovy**

*Description:* Macro: Add event in batch mode: inconsistencies in field values with groovy

*Fix:* Groovies do not execute for "preview purposes" in macro elements

## **427474: Groovy: issue with content events**

*Description:* cnvn\_date can have 2 different classes which can result in faulty fetches with daoHelper

*Fix:* Development manual was updated to mention this.

## **420309: Export: Exporting user table to excel also exports the SLIMSGate user**

*Description:* Export: Exporting user table to excel also exports the SLIMSGate user. This should not happen.

*Fix:* Slimsgate users are not exported

## **412655: Grids : filtering on time does not work**

*Description:* In the Grid Module, filtering on date with time does not work

*Fix:* The grid is filtered based on user input time.

## **388857: Groovy : Calculation with max. significant number set and scientific notation, no longer calculate if the outcome passes the limit**

*Description:* When reaching the quantity precision, the groovy is no longer evaluated

*Fix:* The limit is now evaluated for both old and new values

## Known issues planned for SLIMS 6.9.22

### 1167932:

*Description:*

### 1168059:

*Description:*

### 1167323: Content history: layout issue and missing info when printing

*Description:* Sometimes when scrolling in the list of content history, the print out can be bugged and some information is missing.

### 1167313: Content history: Error if you use is one of operator on record

*Description:* It's not possible to use the "is one of" on the record field of the content history.

### 1165959: Checkbox: Import via Excel should adds NULL value

*Description:* When doing an update via excel import and clearing checkbox value (TRUE or FALSE), the import sets checkbox value to NULL

### 1164503: Not able to print history row for large number of row or rows with complex changes

*Description:* When trying to print large number of row or certain amount of row with complex changes as multiple value dynamic choice fields (e.g. field restrictions to content types), the preview of the document does not appear when clicking on the "Print" action.

### 1163462: Reagent usage: value from prior usage appears but is not saved

*Description:* When tracking reagent usage in the ELN without a default usage value, linking multiple reagents results in blank usage fields. If the first usage is manually edited and set to a specific value, this value becomes the default for subsequent usages when double-clicked for editing. However, if the user clicks away to save the change, the value is not saved, and the usage field remains blank.

## **1162619: Label templates: Scripted labels cannot be printed anymore if you log an empty quantity**

*Description:* It's not possible anymore to print a label if you "log" a quantity field present without a value.

## **1160394: Macro: Don't retain values option doesn't work on all datatype fields**

*Description:* Macro (with don't retain values option enabled) values are not cleared for at least datatypes quantity, comparator quantity and dynamic choice with multiple values when used in an edit step.

## **1160164: ELN: Editing rich text field value clears other unsaved changes in form**

*Description:* In certain forms, clicking into a rich text editor and back out will clear the other unsaved changes made in the form.

## **1158789: Match any + Match all in workflow queue does not show all valid results**

*Description:* When mixing "Match any" and "Match all" in a view, result is not as expected. For instance "Match any (criterion A, match all criterion B and C)" works as "Match A and B and C" instead of "Match A or (B and C)"

## **1155586: RequestableTest cannot have Default Analytical Method set by REST API**

*Description:* When attempting to set a valid "Default Analytical Method" with a REST call on a RequestableTest record, an error is thrown:

"tests": " - defaultAnalyticalMethods : errorAnalyticalMethodNotAssociatedWithTestOrAnalyte"

This error is raised even if the PK you are attempting to insert is in fact an Analytical Method usable by the combination of Test/Analyte on the RequestableTest.

## **1148914:**

*Description:*

## **1148615:**

*Description:*

## **1147881: 6.9.17 upgrade: ExperimentRunStepContent migration not done correctly**

*Description:* 6.9.17 upgrade: ExperimentRunStepContent migration not done correctly

## **1127017: Cloud : Multiple history events created for one label print action in SLIMS**

*Description:* On a cloud instance, for any label print action in SLIMS, there is a history entry for the user that executed it plus entries for another user. The second users seems to be whoever authenticated the daemon most recently.

## **1125074: QC Cards: Unit ? wrongly displays**

*Description:* Unit ? wrongly displays as "" on QC cards.

## **1121272: Warning do not appears in QC with QC template Raw Data**

*Description:* When using QC with QC template Raw Data, a lower and upper limit need to be defined.

## **1111759: Results/Field data not showing up until after Refresh is done**

*Description:* User is not able to see that results are out of specification or put details for time in/time out, or pick an instrument while working on their workflow until SLIMS is refreshed.

## **1101959: Excel import : Content creation does not remove conditional field values**

*Description:* During excel import, conditional fields values are imported even when the condition is not met. For instance, if field 1 is a checkbox and field 2 a short text shown only when field 1 is checked, field 2 value will be imported even if field 1 is not check. The value does not show in SLIMS except in the history, the value is not null it is just hidden but it will show when doing excel export.

## **1045920: Analytical workflow : If a previous request for a test was cancelled, subsequent requests using the same test fail to create results**

*Description:* After sending the samples to the workflow with one request for 2 tests, and then cancelling the request. When adding a similar request again (for the same test and another), there seems to be no queue element for the second requested test.

## Known issues planned for SLIMS 6.9.23

None at time of generation of this document.