

6.5 Release Notes

Overview (#overview)

This document describes enhancements and resolved issues available in Alchem-e™ version 6.5. Additional information is available in the user documentation available at docs.racami.com. Alchem-e™ 6.5 has Alchem-e Flow version 2.0.

New Feature (#new feature)

1. Tab-based license check

A tab-based licensed check was added to all Admin & User tabs. If the user doesn't have a license for a tab, a notification message will be displayed for user to contact the system administrator.

Compliance Enhancements (#compliance enhancements)

1. Alchem-e™ & Open JDK Support

All Alchem-e™ versions starting 6.5 is now compatible for Open JDK (Java Development Kit) minimum version 12. The following frameworks were also updated:

- Vaadin version 7.4.8
- JQuery version 3.4.1
- Angular version 1x, 5 & 6
- Bootstrap version 4.3.1

2. Alchem-e™ Event Logs to Windows Event Viewer

The application now supports an option to write application logs to windows event viewer. The event logging is disabled by default. The system admins can enable it by updating logging configuration.

Enhanced Security Features (#enhanced security features)

1. Multi factor Authentication

Multi Factor authentication was added to Alchem-e™ for additional security.

- Enable 2-Step Verification – this checkbox can be found in the Company window. When this is checked, an email and phone verification will be sent after user logs out and logs back in.
- Enable Google/Microsoft Authenticator – this checkbox can be found at MyAccount. This will only work if the “Enable 2-Step Verification” checkbox is also checked. Once checked, a QR code will be displayed. User can scan it using Google or Microsoft Authenticator, and use it once it prompts after logging in.

2. Active Directory Login & Automatic Domain Name

Users are no longer required to enter their full username with the domain name. Alchem-e™ now appends the AD domain name automatically to the login name entered by the user on AD login page.

3. Second password check while switching to admin view

Additional password check was added which will alert the users that they will switch to Admin View.

4. Configurable session timeout by Company

Alchem-e™ session timeout can now be configured thru the “Session Timeout (minutes)” dropdown field in the Company Admin Advanced tab. The users will be logged out after they are inactive for more than the session timeout value indicated.

5. Custom Fields & Encryption

Checkbox for ‘Enable Encryption’ has been added in creation/viewing/editing of a certain Custom Field in Company, Product & Inventory tabs. Once checkbox for ‘Enable Encryption’ is ticked, any content entered in the custom field created will be encrypted once saved.

Application Configurations (#application-configurations)

1. Enhancements on Company Administration tab

- The Export/Import buttons will export and import all configurations on a single click. The export will include all database data as well as files from asset directory, and the import will also copy the files into appropriate asset directory.

- Added up to 24 for the “Number of Passwords in the history”, and also added a “Custom Value” option wherein user can enter any number more than 24.
- A new field labeled “# of Invalid password attempts” was added to configure invalid password attempts before we lock a user.
- Added “Record Details Retention Period” field.
- Added “Edit Filters” on the Search sub-tab where user can type in additional where clause.

2. Workflow Editor – Auto populate steps

Alchem-e™ workflow editor in the Workflow Management tab, was enhanced to auto populate the workflow steps based on the Digital Workflow selected. The status defined for each workflow stage will be added as a workflow step with same values for Status Name and Step Name.

3. Global Job Statuses

In Workflow Management – Job Statuses tab, a “Global Status” checkbox was added on the Edit Roles window. User can now view the global statuses in addition to the statuses based on workflow and status progression into the job status dropdown on portlets.

Enhanced Usability (#enhanced-usability)

1. Enhancements on Asset Management & Associated Files

User will be able to download a folder as a zip file, on custom folders created by users.

2. Process Management enhancements

- System workflows can now be viewed and opened from the Process Management tab.
- Added “Engine Messages” column to display the messages per workflow.

3. Enhancements on Engine Monitor GUI

Engine Monitor tab has a new GUI, with more configuration fields added. Some of the enhancements are below:

- Records are grouped by Session Id (GUID).
- A summary of messages is provided by Workflow State as below.
 - Running
 - Completed
 - Error

Enhanced Application Permissions (#enhanced application permissions)

1. Portlet enhancements

- Portlets are now associated with individual tasks to hide each from user’s view. This feature also works the same way as the checkboxes in My Account to show/hide portlet. Below are the portlet tasks:
 - “Hide Files” task
 - “Hide Jobs” task
 - “Hide Job Details” task
 - “Hide Record Details” task
- User can now select rows on each portlet across pages. As user navigates to different pages on the portlet, the previously selected rows will stay selected on any level.
 - **Files Portlet**
 - Added a dropdown in Files portlet, to allow status change just like on Jobs and Job Details portlet.
 - **Jobs portlet**
 - User can view the workflow progress based on the Digital workflow, thru the Workflow Progression icon
 - **Job Details portlet**
 - User now has the ability to move the records to another Job details.
 - Increased the characters length on the Job Details – option_filename, to 300
 - **Record Details portlet**
 - User can now do mass edit of records.
 - User is now able to enable grouping on one column at a time from the Column View Mapping screen.

2. Asset Management Directory Permissions

Users with “Asset Manager” task can set the permissions to read, write and delete on a folder. A new “Edit Permissions” on the Asset Management tab was added for users to define the permissions for custom created folder under each Company, but not on folders by Company name or system folders.

Enhanced Approval (#enhanced-approval)

1. Product Based Multiple Approval

- Added a sub tab under Product Management named “Multiple Approval”, to allow the selection of multiple approvers for workflows.
- Users are allowed to configure multiple workflows at product level. The workflow steps will be displayed based on product’s workflow.

2. Sampling feature for end user PURL

Added the option for the end-user to be able to sample the proof PDF.

Enhanced Auditing (#enhanced-auditing)

1. “Active Users by Tabs” Chart

Users can create a bar chart or pie chart under Alchem-e™ Reports tab, to display the number of active users by tabs. By default, it will display the last 15 minutes of activity based on event date. But user can configure it to 30, 60, 90 or 120 minutes.

Advanced Reporting (#advanced-reporting)

1. Alchem-e™ Reports tab Enhancements

- A Share button was added where user can select the users he wants to share the custom report with. The added users will receive notifications via email and Alchem-e™.
- Added “Test” and “Delete” buttons on the “Schedule” window.
- Common SQL syntax is now supported for creating SQL report.
- Added a PDF icon on the custom charts where it will display the same data from Job/Job Details portlet.
- A new check box named “Enable PDF Column” on the Edit report is added, to allow the user to view or hide PDF column if the report results contain data for Job, Job Details and Record Details.

Production Analytics (#production-analytics)

1. Live Production Operational Progress Icon

Operational Progress icon was added on the Job Details portlet on the Live Production tab. The icon should work the same way as an existing icon on the Job Details portlet and should not be enabled if the Job details is part of a batch.

2. Enterprise Production – Batched Jobs

- New field named “required_mail_datetime” was added to Batched Jobs table.
- “Associated Files” icon was added to the Batched Jobs portlet. In the associated file window the user can upload & delete multiple files. The file uploaded will go in CIS\Assets\Batches*(Company)*\(*BatchId*) path.
- Operational Progress option was added on the Batch Jobs portlet. Once selected, an Operational Progress window will display and will work as below:
 - When user add or edit an operation, a Duration textbox and scheduled start time for each job details associated with that Job, will be displayed.
 - Job Details are displayed in the order of batch sequence.
 - User is not allowed to set conflicting schedule.
- “Remove from Batch” functionality was added to the Job Details portlet of Batched Jobs. The Job Details will return to its previous status when the user remove the Job Details from the Batched Job.
- Batched Jobs that were dropped to the printer will be sent based on sequence.

3. Printers/Devices Site Assignment

User is now allowed to select a site for a printer or device. A dropdown was added in New/Edit Device window which displays the available sites from the Site table.

4. Device Dashboard Filter

In Device Dashboard tab, user can filter devices based on the user’s site and device’s site.

Application Enhancements (#application-enhancements)

1. Job Details’ Operational Progress

Added a button to allow the user to add new operations from Operational Progress window, based on the Child Product’s Bill of Materials associated with the Job Details.

2. Product Management tab enhancements

- Product Management tab has a new GUI, with more configuration fields added. This new GUI will only display once the *Enhanced_Product_GUI* task is assigned to the user.
- Added “Edit Filters” on the Archive sub-tab where user can type in additional where clause.
- Added “Record Details Retention Period”

3. Enhancement on the Business Rules

- Users are allowed to format varchar fields into various formats like date string and currency format.
- Users are allowed to generate barcode based on concatenated fields from record details. User has an option whether to concatenate data or concatenate and generate barcode. And also they can choose what field will the barcode be inserted.

4. FTP Management enhancements

- Duplicate check for FTP GUI on local and remote directory was added.
- The following were added to the FTP Management GUI
 - “FTP Name” field
 - “FTP Description” field
 - “Protocol” dropdown with values FTP and SFTP

5. Live Production Job level

Created a Job Level Live Production which will display Job’s portlet.

6. Live Production Filter

In Live Production tab, users can filter Jobs and Devices based on User’s site and Device’s site. The filter will work as below:

- Output Locations – The user will only see the devices for which they have access to based on user sites and device site. If a device has null site then it should be treated as a global device and be visible to the user without requiring to have an access.
- Job Details Portlet – The jobs will display based on the `print_location_id`, site assigned to the `print_location` and user sites.

7. Drag & Drop concurrency check override

User can override the Drag & Drop concurrency warning and can continue to transmit Jobs in Enterprise Production – Live Production tab.

8. Live Production Batching & Product Check

User is now allowed to batch Job Details from multiple child products as long as the product has “`allow_to_batch=true`”. This is on top of the existing logic of allowing to batch Job Details from same child product.

9. Email Template Builder & Variable Names

Added a table name prefix in the file/job/job details/record details’ variable name dropdowns to make them unique.

10. Schedule Calendar Update

- “File Name” label on tooltip was renamed to “Print File Name”. If the value is null or empty, it will show “N/A”.
- “Batch Number” field was added on the tooltip. If the value is null or empty, it will show “N/A”.

11. Schedule Calendar & Device group filter on the Device Group tab

Added a filter to hide device groups based user roles from the Schedule calendar GUI.

12. Order Management Template Editor

Added “Monsterrat” font in the template under Order Management tab.

13. Reprint Records tab

Added “Batch Number” column in the Reprint Records – Job Details table.

14. Enhancements on Search tab

- Added “File Name” and “Job Names” as search fields for Record Details
- Users are now allowed to configure the special characters to be ignored in Company Administration and Product Management tab.

15. Additional buttons added on the SMS Management tab

Filter, Clear Filters, Export and Import buttons were added to the SMS Management tab – SMS Template subtab table

16. Enhancements on Inventory tab

- Users are now allowed to create a custom tab using Inventory tab.

- Standard email notification was added, which will be received whenever inventory is adjusted from Alchem-e.

17. Semantic Layer – Apply to all tabs

Added a new checkbox named “Apply to all tabs” for Column View mapping window on Files tab, Product, Company and user based semantic layer. Once the user checks the checkbox, the semantic layer for Jobs and JobOptionDetails will be used on all tabs for Jobs and Job Details portlets. The same semantic layer will be applied to custom tabs which has Jobs or JobDetails portlet.

18. Alchem-e™ Status Updates & Cascading up

Alchem-e™ now cascades the statuses up to parent entities.

e.g. Job Details to Job and Job to Files.

19. UI Enhancement on the Help links

UI was enhanced for the Help icons/links.

20. Responsive Menu

Redesigned the responsive menu UI.

Resolved Issues ([#resolved-issues](#))

- **CIS-2261- Search -> Record Details Performance** — performance issues from 6.3 release
- **CIS-2325 – Performance enhancement to process large number of records**
- **CIS-2422 – [Company Administration] New Jasper template do not show the expected value on table after creation**
- **CIS-2469 – [Enterprise Production] Hide Reprint Record Sub tab** — All submitted records to reprint are not showing on the table
- **CIS-2473 – [Mail Tracking] Account Number column was not on the mail tracking table**
- **CIS-2491 – [Files] RDV1 Private record details takes a lot of time to load**
- **CIS-2509 – [Inventory] Cannot update inventory when no data entered on optional fields**
- **CIS-2510 – [Inventory] Custom Field Import needs to refresh to show all imported data**
- **CIS-2539 – Company Administration Filter Days** – Logic was changed to include recordadddeddate column when filtering receiveddate
- **CIS-2628 – New status in workflow management** – Unable to add a new workflow without selecting a “Type”, which is not required.
- **CIS-2630 – Data Formatting Change** – Unable to change the date format to date and time.
- **CIS-2653 – Add file name event identifier** – Added {file id | file name} for Delete File events in Event Management tab.
- **CIS-2730 – [Files] Application Archive/Private Database & Record Details Audit History is not populated** — Made a little change in Alchem-e™ also to make Audit history icon backward compatible.
- **CIS-2731 – Job Summary** – Job Summary window doesn’t show all available columns
- **CIS-2732 – Inventory tab – required fields** – No notification message for required fields
- **CIS-2733 – Inventory tab – filters-clear filters** – Clear filter is not working as expected
- **CIS-2799 – URL Custom tab & selected companyid parameter** — Change existing “companyid” parameter to pass all selected companies separated by comma and added a new parameter named “usercompanyid” for URL query string.
- **CIS-3023 – Image Preview is not working** – Image preview in Alchem-e Reports tab is not working and displays an error
- **CIS-3050 – Job Details – Download CSV Icon** – the Download CSV icon is not working
- **CIS-3058 – Mass Edit & Custom Fields** – the Mass Edit button is not working for Product custom fields tab
- **CIS-3061- [Search] Addeddate search field is not working correctly** — recordLastChangedDate and recordAddedDate Search Field is not returning result
- **CIS-3062 – [Search] Allow user to be able to search account number with dashes or spaces**
- **CIS-3069 – [Search] Export should be disabled if no file is selected**
- **CIS-3074 – Download button is not working Order Submission window**
- **CIS-3096 – Search-Record Details** — Record details search is not returning the correct count
- **CIS-3150 – [Search] it takes long time to export job and record details**
- **CIS-3372 – Product Management-Devices tab turns blank after parent product is edited**
- **CIS-3392 – IE Performance Issue** – performance issues with IE when trying to select or view multiple records at the records details level.
- **CIS-3397- Alchem Reports & Query parsing issues** — issues with parsing queries which contains keywords like Cast and In.
- **CIS-3399 – Change “Description” field’s input size**
- **CIS-3425 – Files – filename column & size increase to 300**
- **CIS-3462 – Company Search & Account Number Label** — The company-based search screen for record details search always shows “Account Number” as label for record_num (RDV1) and AccountNumber (RDV2) columns.
- **CIS-3471 – Alchem-e™ hangs when exporting record details as XLSX file on Search tab>Job Details sub tab**
- **CIS-3501 – Incorrect date on Audit History** — the audit history for the job associated with the file shows dates from few months back
- **CIS-3509 – [Dynamic Report] Export File Function**
- **CIS-3514 – Custom Tab (Save as new) Issues**
- **CIS-3581 – Alchem-e™ Email Address Specifications** – added valid characters for email address field
- **CIS-3627 – Server side check for remember me** — a hacker can find a way to pass remember me parameter even if it is disabled through system.properties or application configuration. CIS will handle this through server side validation.
- **CIS-3854 – Recorddetailsid is being replaced with empty string**

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