

Release Notes & Test Report

CAIRS Version 4.0.14.23.111



RELEASE NOTES – TEST REPORT

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FEATURES/REFINEMENTS

System Admin

- FEATURE - In profiles, the Disabled field is now functional. Once a profile is disabled, it will no longer load and affect privileges for users that log in after that profile is disabled. The profile remains in effect for all actively logged in users until they log out. To immediately block a user in cairs.net, the user must be disabled since that change is effective immediately. Disabling profile also prevents that profile from showing in the available profiles list in user records, and if that user has that profile in their associated profiles it will show with the text (disabled). Global reporting functionality has also been added to the profile's menu, and the disabled field was added to the default menu view.
- FEATURE - Disabled Work Flows menu showing only active work flows - Combined the Disabled Work Flows menu with the Work Flows menu (System Admin > Work Flow Setup > Work Flows). This menu now shows both active and disabled work flows. Added an automatic import of global reports to show the work flows filtered in different ways and added a global report to the import showing total orders and troubles created by Year.
- FEATURE - Added QTel 5000 call pricing and rate table management. Updated existing call pricing to support repricing from global reports. Implemented call pricing action from active calls in cairs 7.
- FEATURE - For Avaya switch type, added Sync Now option, and changed the Data Sync caption to Legacy Data Sync. Only one of the sync options will work, depending on the value of the Standard Set Preference. (9/7/2022 - Updated switch form so either the new or old Avaya sync will show in the ribbon, depending on the standard set preference.)
- FEATURE - Added Generate Data Dictionary action under the System Admin > System Settings > Settings menu.
- REFINEMENT - Reorganized some system settings related to Billing and Call Records. Moved settings that apply to billing from the Call Record category to the Billing Category. Replaced the "Do Not Round to Two Decimals" setting with "Digits to Round After Decimal" and added the "Always Round Last Digit Up" setting. DB Creator now reads the file "SystemFeatureAssoc.json" in the Unique.CUtil project root directory. This file associates System Settings and CES Processes with Features, which are available in those menus through Global Reports and makes it easier to determine which settings or CES processes are associated with a system feature, such as Dynamic Billing, for example.
- REFINEMENT - Metadata Import - cairs.net Global Report Builder was checking to see if the report caption entered was actually a valid file name when the report was saved, and would throw an error related to illegal characters in file name if it wasn't. This check has been bypassed to allow these characters in report captions.
- REFINEMENT - In the System Admin > Data Sync Center > Switch Sync Project menu, in a switch sync project record, under "Sync Results" in the ribbon, both the "Out of Sync" tab and the "Not in Switch" tabs, syncing a single number or port would cause an unhandled SQL exception to occur in a matching port or number could not be found, and the search did not include the primary extension field. Now if the search does not find any records to update, the user will be shown a message stating that the search did not match any record instead of shutting down.
- REFINEMENT - When the system setting, Filter Organizations By Account, is set to True, the organization dropdown no longer includes accounts based on TCO relationship. This relationship

was causing duplicate entries for each TCO associated with the organization. The old relationship can be used if needed by setting the Filter Organizations By Account system setting = OLD.

- REFINEMENT - System Settings - Standard Sets - Changed the default value of the Connectivity for Standard Sets to Directory. This will only apply if the setting does not already exist in the database.
- REFINEMENT - Combined the Disabled Work Flows menu with the Work Flows menu (System Admin > Work Flow Setup > Work Flows). This menu now shows both active and disabled work flows. Added an automatic import of global reports to show the work flows filtered in different ways and added a global report to the import showing total orders and troubles created by Year.

Accounting

- FEATURE - Added a filter to the query when looking up the Billing Periods that only shows official accounts.
- REFINEMENT - Official Accounts - Removed the Authorization Codes view. This view can be reproduced by creating a global report. The view was showing an error whenever a user tried to open a record from it.
- REFINEMENT - Fixed issue with the Account Status view in Accounting > Unofficial Accounting > Unofficial Accounts. The creation date was not included in the report. The problem was with the SQL database view, AccountBalanceWithStanding, which is now fixed. The output from this view is used in other views including this one.
- REFINEMENT - Accounting > Unofficial Accounting > Unofficial Accounts > (open an account) > Payments - Payment receipt printout no longer shows the time for Payment Date. Previously the time was always showing as 12:00 AM, which was wrong. The payment receipt can be printed after a payment is applied by right-clicking a pending payment in the payment history grid, then clicking "Print".

Orders & Troubles

- FEATURE - General Work Orders - New Feature - Added the ability to generate custom reports for all sub-orders. Each sub-order (or trouble) is in a separate tab in the xlsx file that is generated.
- REFINEMENT - Added order by desc to query so the count is now ordered descending.
- REFINEMENT - Added Organization Name to exported list of Service Requests.
- REFINEMENT - Work Orders - Manage Optional Work Centers - changed title from Frm_SelectOptionalWorkCenters to Select Optional Work Centers. Also moved buttons and made resizable.
- REFINEMENT - Work Orders - If a user decides not to cancel an order after clicking Cancel Order, the order status was getting set to cancel first, so another action, like putting the order on hold, would actually cancel the order.

Global Reporting

- FEATURE - Global Reporting - Added the ability to assign a limited subset of functions to fields in a report, including Day, Month, and Year functions, which provides more functionality to search, sort, display, and group by parts of a date, as well as Upper and Lower functions to allow capitalization of data to be uniform, and Abs, which may be useful for numeric fields in some reports.
- Global Report Setup - Replaced Save Report button with separate Save as well as Save and Close buttons.
- REFINEMENT - Ability to indicate whether a field in a Global Report should open up a link to its respective base record

- REFINEMENT - Replaced the current error with the following new error message that explains how to resolve the problem: Fields that contain special characters, such as () cannot be searched and should be renamed. Users trying to save a display using any characters that are now forbidden in the caption will get an error message indicating that the character needs to be removed. The following characters are no longer allowed in global report custom captions: () { } " ' " \ : ; > < = ! |

Configured Items

- FEATURE - Added bulk import for Standard Directory, Circuit (including segments), which includes connectivity. Also added bulk import for work orders / trouble tickets.
- Added 20 additional misc fields to bulk circuit import to match the additional fields that were added to circuit. Updated bulk circuit import code to manage the additional 20 circuit misc fields.
- REFINEMENT - Standard Set and Directory Connectivity - Duplicate or unrelated connectivity is no longer being loaded. Cleaned up the labels for the records in the top dropdown where the connectivity record is selected.
- REFINEMENT - Bulk Import - Under Accounting Settings, which are available for some import types, there is a new Conflicting Billing Action: Remove Previous Accounting. When importing data, the import will remove any existing account or customer code assignments before adding the new accounting information to the record.
- REFINEMENT - Database changes and bulk import - Renamed in Segment table Number to Segment_Number and Description to Segment_Description. Added segment fields to the BulkCircuitImport table so segment details can be imported with circuits. Regenerated DTOs.
- REFINEMENT - Standard Sets - In the detail pane, the button finishes loading last shows as the active button instead of button 1, which is selected when the set first loads. So there sometimes is a mismatch between the directory initially loaded and the button initially selected.
- REFINEMENT - View tab in connectivity control was not sorting properly. The data is now sorting by terminal position and path position.

Switches

- FEATURE - Added 10 misc fields and 5 misc date fields to Switch table.
- FEATURE - NEC Switch Sync - Added logic to better manage duplicate records coming into cairs.net, and to manage address records with an empty number.
- REFINEMENT - SMA was sometimes not reconnecting after losing network connectivity even after the connection had been restored. Added a timer to monitor SMA Service connection and reset automatically if the CAIRS web service fails to return from looking for new connections after 2 minutes, even if an error never comes back from the web service.
- REFINEMENT - Avaya standard sync now sync voicemail (also no longer added explicitly to btn 8)
- REFINEMENT - Avaya SIP Data sync now syncs existing avaya registration records. Links to existing AvayaPhone records and data pulled from the CM
- REFINEMENT - cisco sync now accounts for unlinked standard set records - (records without ss/cisophone association record)
 - bug where unassigned appearances would always show out of sync
 - UK and FK addition bugs
 - code clean up
- REFINEMENT - new Avaya port sync. Avaya Standard Set Sync. Cair ASI v 10016
- REFINEMENT - Switch Sync Project - Sync Schedule - Added a foreign key constraint to prevent duplication. Not able to replicate the issue, but the database constraint should prevent the

duplication even if the same circumstances occur. Also, added global reporting to this menu, and reports can be created to show these schedules so the data can be verified (along with many other reports that can now be created from this menu).

- REFINEMENT - CiscoDirectory.Directory_number is now a required field in the db
-Cisco sync no longer includes CiscoDirectory records with NULL/empty directory_numbers in the cache.

Facilities

- FEATURE - Added Connection_Group_Description field to the ConnectionGroup table. This allows a large note to be entered into a connection group record if needed.

Fixed Trouble Tickets/Bugs/Tasks for CAIRS.net and CAIRS7

Bug	CAIRS.net	An issue has been resolved in the Global Reports feature where multiple fields with the combine option were not being included in the results. The issue has been fixed and all selected fields with the combine option will now be included.
Bug	CAIRS.net	Fixed AssignmentList view, which is used throughout cairs.net to show which configured items are assigned in connectivity - Links to Standard Set and Directory were not displaying Item Number or Name as well as Item Type
Bug	CAIRS.net	Standard Sets - In the detail pane, the button finishes loading last shows as the active button instead of button 1, which is selected when the set first loads. So there sometimes is a mismatch between the directory initially loaded and the button initially selected.
Bug	CAIRS.net	Error occurred importing match source due to disjointed record parent guid not being set on deserialize.
Bug	CAIRS.net	-Avaya sync bug regarding "IP" port card names -Avaya switch connections now checks for "standard" as a last ditch effort to connect to switch
Bug	CAIRS.net	Fixed the "Download Latest Client Now" button on the CEDC landing page. The url was being constructed incorrectly and the software could not be downloaded.
Bug	CAIRS.net	-cairsasi v29 update (cutil/sac) -cairsasi constant out of sshauthenticationmethod - fixed bugs in this area
Bug	CAIRS.net	Fixed issue in the RenameActionAndDisplayClasses repair where there were ProfileActionAssoc records that were linked to non-existent Profile_Main records
Bug	CAIRS.net	Configured Sets - Bug Fix - Set Device Identifier was not updating when primary directory number or port was updated. This caused the error, "Set_Device_Identifier does not allow nulls" when trying to save the configured set because this new field is required.
Bug	CAIRS.net	-Fixed Cisco sync bug where entire set would fail to sync if the respective gateway wasn't available -Now temp gateways are synced with Cisco sync from file (switch api console)
Bug	CAIRS.net	911 Footer record count incorrect when Configured Set records column mapping set to NONE
Bug	CAIRS.net	Fixed this bug by adding a button to the search instead of searching on each Key Up in the text box.
Bug	CAIRS.net	Fixed Custom Views in every menu where Custom Views are available.
Bug	CAIRS.net	Configured Items > Set Management > Set Templates menu - Fixed search. Added global reporting functionality to this menu. Removed the Set Type Name and Switch Name views.

Bug	CAIRS.net	Switch Sync Project - Replace invalid characters with space when exporting raw switch dump to xlsx file. This prevents the error, "Hexadecimal value 0x1B, is an invalid character. (System.Xml)"
Bug	CAIRS.net	Equipment and Services menus - Globally manage equipment, and Globally manage service menus were broken.
Bug	CAIRS.net	An error occurs if there when you try to change/edit a record and a record reference does not exist - Added a null check for record references.
Bug	CAIRS.net	Import Match Source Error - An error occurred while importing match source file due to disjointed record parent GUID not being set on deserialize.
Bug	CAIRS.net	Global Reports - Multiple fields with a combine option do not all get included in the results. - An issue has been resolved in the Global Reports feature where multiple fields with the combine option were not being included in the results. The issue has been fixed and all selected fields with the combine option will now be included. Also fixed a search issue on fields combined in global reporting. The system would only search the last field in the list when the user searched within that field instead of searching on the final value after the fields were combined.
Bug	CAIRS.net	AS5300 sync Eglin not removing Deleted sets on caching - Bug fix in AS5300 sync. Sync no longer fails when it encounters a set missing from the switch.
Bug	CAIRS.net	Wrong child menus under Raw Data Collection in metadata - Due to a copy/paste error, the wrong child menus under Raw Data Collection in metadata. This is fixed and has no effect within cairs.net, but might prevent that menu from loading in cairs 7.
Bug	CAIRS.net	Cannot remove/delete work center from work flow - Fixed an issue when trying to remove work centers from work flows.
Bug	CAIRS.net	Fix AssignmentList view - Standard Set and Directory do not display Item Number or Name as well as Item Type - Fixed AssignmentList view, which is used throughout cairs.net to show which configured items are assigned in connectivity - Links to Standard Set and Directory were not displaying Item Number or Name as well as Item Type
Bug	CAIRS.net	SwitchSiteAssoc mislinked to numberplan - Fixed bug where Global Report was linking Site / Switch to the wrong fields (number plan)
Bug	CAIRS.net	Db creator failing on archive database updates - Fixed issue in Db creator where updating archive databases consistently fails.
Bug	CAIRS.net	Record form going behind menu - Fixed issue with record going behind the menu form. When using the Basic view from the menu, any action from a record that would cause the menu data to refresh would also force the menu form to the front and the record form to the back.
Bug	CAIRS.net	cairs.net order and troubles - Some set device components cause error when loading - Fixed: cairs.net order and troubles - Some set device components caused a sql parameter error when loading. This error was due to the fact that a directory number was not associated with the selected component.
Bug	CAIRS.net	Create New Work Flow - Work Flow Pick List only shows true over and over again instead of work flow names. - Found by QA - Bug never released. Work Flow Pick List only shows true over and over again instead of work flow names. This issue occurred because the Disabled field was moved to the front of the Work Flow List, which is also found in the system admin menu, and the logic for showing the work flow fields was referring to the positions of the fields instead of the names.
Bug	CAIRS.net	Global Report - Object reference error when importing or saving global reports tied to external integration. - Global Reporting - Unable to Import or Save global reports in areas such as Collection Source in System Admin, where the report is linked to External Integration settings.

Bug	CAIRS.net	Avaya Sync bug -> UCS - In new Avaya sync, if the user only has a Standard connection, we use that as the switch connection and assume no bypass.
Bug	CAIRS.net	Sort standard buttons by type - Now grouping standard set buttons by type then sorting by button number
Bug	CAIRS.net	Number Plan bug - GUID Ambiguous - Number Plan - When limited by profile, in a number plan record, an ambiguous field error would occur. This error did not happen when the user was a system administrator.
Bug	CAIRS.net	Standard Directory - Location portion of Connectivity does not export - Standard Directory and Standard Sets - Location portion of connectivity pane was not exporting, only the cross connect detail. When only the location is provided, such as with VoIP phones, only a blank heading would export.
Bug	CAIRS.net	Standard Directory / Set Connectivity - Don't load duplicate or unrelated connectivity. - Standard Set and Directory Connectivity - Duplicate or unrelated connectivity is no longer being loaded. Cleaned up the labels for the records in the top dropdown where the connectivity record is selected.
Bug	CAIRS.net	Wrong Directory Loading in Standard Set - Standard Sets - In the detail pane, the button that finished loading last would show as the active button instead of button 1, which was selected when the set first loaded. So there sometimes was a mismatch between the directory initially loaded and the button initially selected.
Bug	CAIRS.net	Errors related to file attachments in Subscriber Portal - Subscriber Portal: Fixed issues with parts of SP not properly restricting file uploads based on the allowed file attachment types set in cairs.net, including subscriber profile, Service Requests, and Troubles. Fixed a related null reference error that was occurring when subscribers were trying to attach unauthorized file types to their subscriber user profile.
Bug	CAIRS.net	Cannot delete subscriber if they are associated to a work order - Subscribers associated with work orders can now be deleted.
Bug	CAIRS.net	Closing the delete modal should cancel the delete and clear out the records - Temporary database files created during the delete process will now be properly cleared if the delete is cancelled.
Bug	CAIRS7	Button Details Control WSOD - C7 client Button Details control. Shell only to prevent crash.
Bug	CAIRS7	Subscriber blank after selection - C7 client bug fix where subscriber wasn't being populated after selection until save.
Task	CAIRS7	Menu Collapse Expand Button needs hover effects - Menu Collapse Expand button now has hover effects
Task	CAIRS7	New Record Form needs a dedicated button on the Table Header - You can now open the new record form modal from the button in the header in the Table area
Task	CAIRS7	Prevent the user from being able to favorite the favorite menu - Users are now unable to favorite the favorite menu
Task	CAIRS7	Create the ability for users to override the Home Menu - Users can now set a custom home menu
Task	CAIRS7	Create a key shortcut for the dashboard - Created a shortcut key for dashboard
Task	CAIRS7	Create a key shortcut for the favorites menu - Created a shortcut for favorite menus

Task	CAIRS7	Create a key shortcut for the home menu - Created a shortcut for the home menu
Bug	CAIRS7	Shortcuts need to work even when CAPS LOCK is on - Shortcuts will now work even when CAPS LOCK is on.
Bug	CAIRS7	Updating record in C7 fails without error and reverts to old values. - Fixed an issue with updating a record in C7 where the data reverted back to the original values without showing any error. This only happened if the field list for the related table was sorted unexpectedly, which is not always the case.
Bug	CAIRS7	Server error messages aren't being shown correctly - Bug fix in C7 when connectivity for standard sets was being loaded.
Task	CAIRS7	Add a way for Cair 7 admins to clear/fix the LastReportByUser table - Cair7 admins are now able to clear out LastReportByUser schema via the UI.
Task	CAIRS7	Records - Make tabs look nicer - Layout tabs now look consistent with tabs.
Task	CAIRS7	Add hover tooltips to dashboard icons in cair 7 - Dashboard Icons now have tooltips.
Task	CAIRS7	Next page in grid should auto scroll to top - When clicking next page in a report, the next page will be scrolled to the top.
Task	CAIRS7	Notes > Category dropdown - The category dropdown in the note control now looks like a dropdown.
Task	CAIRS7	Remove tables from Report Builder - Users are now able to remove tables that are joined in a report.
Bug	CAIRS7	Pressing enter in dropdown search box closes dropdown - Pressing enter inside a dropdown search box no longer closes the dropdown.
Task	CAIRS7	Remove Fields in report builder needs to be consistent with Delete Table UX. - When a user hovers over a field in the report builder, a "red X" will slide in from the right. Clicking on this x will remove the field from the report.
Task	CAIRS7	Show a message when the profile has no menu permissions associated to it - When a new user logs into Cair7 for the first time, they will be greeted with a message instead of the report builder.
Task	CAIRS7	Server side - CRUD - Pin reports capabilities
Bug	CAIRS7	Work Order Metrics null ref error - When the work order metrics are ran on activity that occurred on a datetime that is outside of business hours, a run time error will no longer happen.
Task	CAIRS7	Remove the ability to delete default (BaseMetadata) record layouts - Users are now unable to delete "DEFAULT" layouts.
Bug	CAIRS7	Bulk dropdown change does not select - The ux for bulk dropdowns have been improved to make it obvious you selected an option.
Task	CAIRS7	Clicking on arrow in dropdown doesn't open dropdown - Users will now be able to open dropdowns by clicking on the down arrow.
Task	CAIRS7	When editing fields in report with x-axis overflow, save the position of x-axis scroll - Scrollbar saves location on save now.

Task	CAIRS7	context menu is not in right spot in record layout system - When using the context menu on a record form inside of a record, it will now appear in the correct spot.
Task	CAIRS7	Fix Stutter when making record changes to reports - When making record changes the user will not see stutter anymore.
Bug	CAIRS7	Connectivity Control is broken - Users will now be able to see edges in the connectivity control.
Task	CAIRS7	Hide Configured Sets menu item - Configured Sets is no longer visible from C7. Must use Standard Sets or Standard Directory in Cair 7
Task	CAIRS7	Need to show client-side errors instead of WSOD - When a client side run time error occurs, users will no longer see the WSOD (White Screen Of Death).
Task	CAIRS7	Modernize shortcut keys and clean them up in reusable component - The shortcut keys have been improved to stay consistent with the rest of the UX in Cair7.
Bug	CAIRS7	Cannot save new layout in cair 7 in certain situations - A record with no record layouts will now show the Create New Record Layout dialog when it is opened.
Task	CAIRS7	Modernize shortcut modal - The shortcut customization modal is now consistent with the rest of Cair7.
Task	CAIRS7	Connectivity UI is messed up and needs to be aligned - the UI/UX in the connectivity control has been improved.
Bug	CAIRS7	Favorite Menu Dialog should show a message when there are no favorite menus. - There is now a message in C7 client if no favorite menus are set
Bug	CAIRS7	When there are no recent records, show message to indicate so. - There is now a message in C7 client if there are no recent records for the user.
Task	CAIRS7	Adding reusable control to delete CairRow - Added a built in ability to delete control on CairRow
Task	CAIRS7	Making unfavoriting menu consistent with rest of CAIRS7 UX - Unfavoriting a menu now uses the reusable delete control built into CairRow
Task	CAIRS7	Delete Feature on Recent Records dialog - User can delete recent records on the Recent Records dialog using the red "x"
Task	CAIRS7	Modify Report Builder so that it can create CreateOnly Reports when fed a boolean value called isCreateFormOnly - Modified report builder to be able to initialize the appropriate properties to generate a Create Only Form.
Task	CAIRS7	Create the form itself and all the functionality it needs - Users can now create new records using forms at the menu level
Task	CAIRS7	Replace gifs with non-copyright material - Removed copyrighted content
Task	CAIRS7	Use the Red X from CairRow to delete Record Layouts - Users can now use the Red X in CairRow to delete Record Layouts

Task	CAIRS7	Use the red X to delete Record Controls - Users can delete record controls using the Red X.
Bug	CAIRS7	Display a confirmation modal when a user wants to delete a Record Control - Users will now be prompted with a confirmation modal when they want to delete Record Controls.
Bug	CAIRS7	New Create Form Keys are not being saved to the menu object - When saving a New Create Form, it now saves to the menu and menu cache.
Bug	CAIRS7	New users with admin permissions see nothing in cairs 7 - Fixed a bug where menu metadata was not getting installed during a database update.
Bug	CAIRS7	WSOD adding Set Button Control - WSOD fix in C7 when adding a Set Button Control to a set without button features
Task	CAIRS7	Create schema - Can now pin reports