

# Release Notes & Test Report

CAIRS Version 4.0.14.21.203



## RELEASE NOTES – TEST REPORT

### CAIRS VERSION 4.0.14.21.203

#### FEATURES/REFINEMENTS

##### Orders & Troubles

- FEATURE - When creating a report in Orders/Troubles --> Reports, you can now double click on any order or trouble ticket number and open the record from the report.
- FEATURE - Added functionality that will handle reports that are associated to fields that no longer exist in the database. It will report the fields that have changed and need to be removed when saving the record.
- REFINEMENT - Set the `ActiveRowScrollRegion.ScrollRowIntoView` on the treecontroller to `.Rows(0)` in order to force grid to always show the top row regardless of if the sorted value has a "blank". This would only be an issue if user selected a search parameter, not if they selected a
- specific view from menu.
- REFINEMENT - When you remove a component from a Work Order or Trouble Ticket using the drop component Ribbon Button it no longer stays visible in the components pane.
- REFINEMENT - Fixed complications caused when cancelling a Work Order without filling out all required fields. The Order now closes without confusion or being required to fill out fields.
- REFINEMENT - Fixed Organization Name view to only load the filtered records by the aggregate, they were all showing under each aggregated line.

##### Entire System

- REFINEMENT – when updating now you will only need to update the metadata
- FEATURE - When an invalid email address is entered into CAIRS, you will now receive a message that the address is not valid.
- REFINEMENT - All required fields on a record must be completed before you can save the record. If a required field is not complete a message appears asking to complete required fields before saving.
- FEATURE – Added Favorites to all menu items and views
- FEATURE – Added the ability to adjust the sort order of Favorite Reports and Views
- REFINEMENT – Removed the File Attachment Actions within a Profile, the notes and file attachments are now hardcoded and will be available to every user

##### SOLR

- SOLR has been removed from the system.

##### Configured Items

- FEATURE - Added Data Fill capability to the Cell Phone records
- FEATURE – Added Bulk Import Projects for Cell Phones and Hardware. This process can also be used to update existing records.
- FEATURE – CISCO Standard Sets

##### Global Reports

- FEATURE - Sometimes when CAIRS would update from version to version, there would be errors in the global reports because field names or locations were changed, the only way to resolve the errors was to delete the report and rebuild. Now, the report will load with a message about any errors that might be associated to the report.
- REFINEMENT -CAIRS remembers the size, position and visibility of columns.
- REFINEMENT - For menus that support global reports, the system will remember if a global report was last loaded and will initially load that report instead of the default view for that menu.

#### **Accounting --> Official Accounts**

- FEATURE – In a Billing Run, we added rounding to the dynamic billing processes so report totals are more consistent.
- FEATURE – Added 5 custom date fields to Customer Codes
- FEATURE – Added 5 custom date fields to Subscribers

#### **System Admin - Settings**

- FEATURE - There is a new system setting called "Note Default Font Size" - This setting should be 12 by default. Minimum value = 8, Maximum value = 40. Determines the default font size for all notes created in CAIRS.net. The system administrator can adjust this value, which applies to all users when creating notes.

#### **System Admin - Custom Report Templates**

- FEATURE - Added functionality to map fields for the New Dynamic Billing Equipment and Services pricing options in Custom Report Templates

#### **System Admin – CES**

- FEATURE - It is now possible to test the CEDC connection to the database from a client workstation. Before it was only possible to test the connection from the web server.

#### **Directory/Organization > Organizations**

- REFINEMENT - Removed the capability to assign an Organization as its own parent. Now warning message shows upon trying to save the record letting you know the action cannot be completed.

#### **Subscriber Portal**

- FEATURE - Configuration Settings were added to the Subscriber Portal Config page to allow the Operator Phone Book or the Switch Phone Book.
- FEATURE - The size of the Notes dialog box is now larger than one line of text! The size of the textbox will automatically resize as the user enters in information
- FEATURE - We have added 4 decimal places to the call details reports in Subscriber Portal
- REFINEMENT - Made the export process consistent throughout Subscriber Portal
- REFINEMENT - In Validate Bills, all previous Fiscal Years appear in the dropdown list

## **KNOWN ISSUES AND WORK AROUNDS**

**Orders/Troubles > Orders > All Active Orders:** In Dynamic, when creating a Work Order for EWSD set, the EWSD Set button disappears from the Data Components Ribbon Group if the user clicks the 'Create Work Order' before adding EWSD set.

*Work Around* - To avoid this, an EWSD component must be added before creating the work order.

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**WORK FLOW:** Adding more than 50 custom fields to a work flow will generate an error in CAIRS. Programming is assigned to work a fix for this restriction.

*Work Around:* Do not use more than 50 custom fields in work flows until the restriction is fixed.

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**VIEWING CAIRS AND MONITOR DISPLAYS:** If you are attempting to expand columns in CAIRS and are doing so while viewing CAIRS from a monitor that is not your primary desktop/laptop screen then the expand will not work and instead the column will minimize to where it almost seems hidden.

*Work Around:* This is not a CAIRS issue but rather a Windows issue that can't be fixed through programming in CAIRS. The Work Around is: if you are working in any form or display with columns that can be adjusted move the view to the monitor associated to your desktop/laptop and you will be able to make all necessary adjustments to columns size and placement.

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**CONFIGURED ITEMS-DATA FILL:** When the pane is in edit mode the data fill option is NOT available.

*Work Around:* To get out of edit mode click on the scroll bar, any labels, the window header or somewhere else that isn't an editable cell.

## GOOD TO KNOW

**ACCOUNT CODE BULK CHANGE:** If you are using Dynamic Billing in CAIRS then you will no longer have the ability to bulk change Account Codes as Customer Codes are now being used as the billing master code.

**GENERAL WORK ORDERS: CLOSING ALL SERVICE REQUESTS:** Until all Sub-Service Requests/Sub-Work Orders associated to a General Work Order are in a Completed or Cancelled status the General Work Order will not complete and close automatically.

**CONFIGURATION PACKAGES:** When adding a Configuration Package, fields should never be duplicated within a package. For example, if you choose to add an Organization field (or any other field) twice, when the general order is opened in

**EXPORTING WORK ORDER AND TROUBLE TICKET DETAILS TO .TXT:** When exporting Work Order and Trouble Ticket details to .txt, you will be required to name the file and save it to a location on your computer. The .txt file does not auto-name the file like exports to PDF and Excel.

**ACCOUNTING: OFFICIAL ACCOUNTS: CUSTOMER CODE:** When opening a Customer Code using the "Account Funding View" you must open the record first and then click the "Show All" option in the Funding pane to populate the associated data.

**BASIC VIEW:** Basic View has been added to most application modules in CAIRS. This view should be used only if you are looking for a quick list of all of the items in a specific menu option. For example: Go to Configured Items>Set Management>Configured Sets>Views: Basic View and do a Show All query. You will get a list of every telephone number in the data base. This view was added to help several customers who just needed the identifying number or name of an item quickly. To avoid getting into this view choose a different view in that application module and do a Show All. Once you do that CAIRS remembers where you were last and when you open that application the new view (other than Basic) becomes your default view.

## Release Test Plan

A formal release test plan is used to guide QA engineers through the entire CAIRS software. The test plan provides a measurable and consistent series of test cases. Each test case contains detailed test steps to reach an end result.

## Testing Breakdown: Release 4.0.14.19.106 – 21.203

Completed Formal Tests: 50,000 +

### Release 4.0.14.21.203 Fixed Trouble Tickets/Bugs

| Date      | Fixed Version   | Release Note  |
|-----------|-----------------|---|
| 5/1/2019  | 20109           | Removed the BilledAssignment association requirement for the Dynamic Call Detail report.  |
| 1/29/2020 | 20101           | Fixed bug related to loading and creating 911 interfaces.   |
| 1/29/2020 | 20101           | Fixed bug when logging out of CAIRS.net, when the user checks the "I never want to see this again" checkbox. The system used to throw an error trying to save this preference.  |
| 1/29/2020 | 20101           | Fixed ambiguous GUID error that resulted from adding GUID field to association tables.  |
| 1/29/2020 | 20101           | Display customization by profile now saves successfully.  |
| 1/29/2020 | 20101           | Completed export code for standard directory form.  |
| 1/29/2020 | 20101           | Added phone book to Standard Directory.   |
| 1/29/2020 | 20101           | Added two new system settings related to connectivity. Connectivity Required determines whether or not connectivity must be filled out when there are no connectivity records related to a configured item. This allows the configured item to be saved and avoid the error "Building is required...". The other setting, Connectivity for Standard Sets, determines whether or not new connectivity can be added to standard directory, standard sets, or both. The default value is Both. This setting is useful if the CAIRS.net administrator wants to keep connectivity between standard sets and standard directory more organized by forcing all connectivity to one location or the other. Along with this functionality, connectivity for related sets and directory load from both standard directory and standard sets. This existing connectivity can be edited from either location. |
| 1/31/2020 | 20102           | Added link to Cisco and AS5300 phones in CallRecordLastCall view, which shows the last call associated with each assigned number.   |
| 1/31/2020 | 19107 and 20102 | Fixed: When a user sorts by an aggregated field in a Global Report, a SQL error occurs because the field is not aggregated when the sort is built in the query.   |
| 2/13/2020 | 20105           | Dynamic Billing - Call Type was not being included in the BillingPeriodImportedCharges table when using the Transfer table to summarize call detail.  |
| 2/26/2020 | 20106           | Fixed the repair, "Update BilledAssignment delete_date." If the item type is not specified in the repair, the delete date will no longer be set for that item type automatically. This prevents an item type of "Number" from getting incorrectly marked as deleted and any new items types added since this repair was written. Also updated BilledAssignment delete_date repair to include new item types, including General Task, Hardware, Land Radio, Network Device, Standard Set, and Standard Set Import Project.   |

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| 2/28/2020 | 20106           | Added Revision Number. Server Revision and Client Revision are available in the detailed version Message Box in the CAIRS.net about screen. If these numbers are different, it means that the server was updated separately from the client.   |
| 2/28/2020 | 20106           | Standard Directory - Don't make user choose phone number twice. Also needed to add logic to carry the automatically filled Standard Directory Number over to the phone book.   |
| 2/28/2020 | 20106           | Standard Directory - Account Management now has site and org auto-filled when added a new record. Equipment and Services now has site auto-filled as well for new records.   |
| 3/2/2020  | 20106           | Configured set device view, used in Configured sets for editing the primary set information pane in Configured sets, was not loading the directory number for ISDN sets with a button channel that was not zero. This issue was resolved by a change to the ConfiguredSetDevice view in the CAIRS database.  |
| 3/2/2020  | 20106           | <ul style="list-style-type: none"> <li>-Framework modifications for Avaya SMGR/SM API calls (xml serialization/deserialization fleshed out)</li> <li>-new api call for getting users</li> <li>-test call for getting new users in SwitchAPIConsole (currently not implemented in CAIRS sync yet)</li> <li>-Added AvayaPhone, AvayaButton, AvayaDirectory tables</li> </ul>   |
| 3/4/2020  | 20106           | "Avaya SIP sync" ces process now adds records to AvayaUser and AvayaRegistration tables respectively based on api call.  |
| 3/4/2020  | 19107 and 20106 | <ul style="list-style-type: none"> <li>-added ability to filter for avaya user lookup api call. Also added this api call option to the api console project</li> <li>-Refactored avaya sip sync to delete ALL registration records prior to sync (for specific switch) and then add all registration records from switch. AvayaUser records are NOT removed every sync.</li> </ul>  |
| 3/5/2020  | 19107 and 20106 | Having an Account Status Change Configuration setting for Unofficial accounts would cause that setting to be applied regardless of the status that was specified for that configuration record. If a Work Flow is specified in the configuration, then a work order with that work flow would be generated any time an account status change occurred, regardless of which status that work order was meant for. Also, if the override option was turned on for the Account Status Change Configuration, it would prevent the system from performing the standard operations that are supposed to happen. When an account is closed, the Billing End Date values are supposed to be set for all related account management records. Any equipment and service records directly tied to that unofficial account should also have the delete date set, but that was not happening with the override option specified for the wrong status. Please note that this override should still occur if that status does match the new account status value. |

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| 3/5/2020  | 4.0.14.20106 | Because of aggregate rounding used in different parts of the dynamic billing process, sometimes the amount verified against the account did not match the amount charged on the balance. If the amount charged ended up more than the amount verified, there could be potential to bring the available balance to a negative number. To solve the issue, we needed to verify funds on account by the rounded two-digit decimal value instead of the four-digit decimal value.  |
| 3/10/2020 | 20107        | Added wsdl file and models for cm api calls (systemmanagementservice avaya api)  |
| 3/11/2020 | 20107        | <p>Summary Detail Popup</p> <ol style="list-style-type: none"> <li>1. Needs to be sped up. Mark said we could do this by adding a capability to Global Reports that would remove the need for the slow view that the report uses</li> <li>2. Needs a record count – total, by call type</li> <li>3. Make it possible to scroll to the right without scrolling down. If you have more than 5 records it is necessary to scroll to the bottom of the window to scroll to the right which you would then have to scroll up if you want to see the records on top</li> <li>4. If possible “freeze” the column header so when you scroll down you know what data you are looking at</li> <li>5. Compress the space the Summary of data takes up. Space is valuable, especially in the small window</li> <li>6. If possible, make the window expansion possible in a known way. It’s not clear that you need to grab the bottom left corner to expand to the right</li> <li>7. Add \$ to the cost column(s)</li> <li>8. Accept the format from the global report... i.e., if I set the column to be date or time only it only shows that value</li> <li>9. Fix export file name Currently Report.xlsx, should be FiscalYear_BillingMonth_Number_TodaysDATE.xlsx</li> </ol> |
| 3/11/2020 | 20107        | <p>Dynamic Billing SP Fixes</p> <p>Validate</p> <ol style="list-style-type: none"> <li>1. Add an “All” option to the “Billing Period” Dropdown</li> <li>2. Add Billing Period to the view of data in both sections (this needs to be the date of the Cost Transfer since it is potentially possible for charges for the same invoice to come in at a later billing period as result of ownership changes, these new charges need to be validated independently)</li> <li>3. Add Invoice Date to the view of data in both sections, Validated and Needs Validation</li> <li>4. Add a link to the Detail of the Charges that make up that total</li> <li>5. Add an export<br/>FiscalYear_BillingMonth_CustomerCode_ValidateTodaysDATE.xlsx</li> <li>6. The Billing Period dropdown does not refresh when you select a different Fiscal year from what was selected when you navigate to that tab within SP.</li> </ol>   |

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| 3/11/2020 | 20107 | <p>Dynamic Billing SP Fixes<br/>Usage tab – (Billed Usage)</p> <ol style="list-style-type: none"> <li>1. Add an All to the Billing Period dropdown so they can search the top charges for the year (when we do this change Monthly Reports to just Reports)</li> <li>2. The charge type tab is not looking at the right place to break out the calls by Call Type, it should be. Everything currently shows under blank.</li> <li>3. Fix Export currently BillingDataExport-DATE.xlsx, should be FiscalYear_BillingMonth_CustomerCode_BilledUsageTodaysDATE.xlsx</li> </ol>  |
| 3/11/2020 | 20107 | <p>See attachments for a video of the changes.<br/>SP - Call Record fixes</p> <ol style="list-style-type: none"> <li>1: Includes Customer Code filter. The plan is not to put Customer Code into the CES process but to re-write these queries to get the data from a join instead. (Talk with Mark W...) This is also done. Queries on SP now will Historically select the correct Customer Code for the Call Record based on Call Record Date and Billing Start/End dates.</li> <li>2: Fixed the export to show extension and reportname_startdate_enddate. Also changed report file extension to xlsx.</li> </ol>   |
| 3/11/2020 | 20107 | <p>Web page Path correction currently from SP/S8Billing/Default/ to SP/DynamicBilling/Default/</p>   |
| 3/11/2020 | 20107 | <p>See Attached jpg requests from Darren's visit with customer.</p> <ol style="list-style-type: none"> <li>1. Change the hyperlink starting with welcome to say Config: Name instead of welcome name so it is clear that this can be clicked to get to the user config.</li> <li>2. Rename 'Summary' Tab to 'Billing Summary', 'Usage' tab to 'Billing Usage' and 'Validate' to 'Validate Bill'</li> <li>3. Rename 'Threshold' colors to 'Set Billing Range' and Move these color boxes to the center</li> <li>4. Remove whole lines and text of tab/titles of summary charges and billing summary report</li> <li>5. Search needs previous, next, beginning, last links</li> <li>6. Move search in current place of thresholds colors</li> <li>7. Remove the contains/less/greater than box and remove the red x</li> </ol> |
| 3/11/2020 | 20107 | <p>Fixed the export in dynamic billing summary to include billing month, fiscal year and Customer Code, currently S8BillingPeriodSummaryExport-DATE.xlsx. Should be FiscalYear_BillingMonth_CustomerCode_Expected(or Billed)SummaryTodaysDATE.xlsx</p>   |



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| 3/11/2020 | 20107 | <p>Added features mentioned in 2D SIG Subscriber Portal Billing/Usage and Validate Tabs 2003701</p> <p>Both the Usage and the validation tabs only show a drop-down selection for dates, which are for FY2020, even though you select the year 2018 or 2019. I have a screen shot attached.</p> <p>It's in a word doc, because the snipping tool would not show the pull-down box. In BOTH the usage screen and validate screens the issue is still there that the billing Periods in the drop down are all for F2020 (which is empty as there have been no cost transfers yet for 2020).</p> <p>Also, FYI, when clicking to the usage page, a brief message "loading" appears, but this issue is still there.</p> <p>This also is the case when choosing only one customer code.</p>  |
| 3/11/2020 | 20107 | <p>See Attached jpg requests from Darren's visit with customer.</p> <p>1.DONE: Change the hyperlink starting with welcome to say Config: Name instead of welcome name so it is clear that this can be clicked to get to the user config.</p> <p>Removed the Welcome and just added the name. "Config" does not make sense. Most systems have your name in the top right corner where you can click and see your profile.</p> <p>2. DONE Rename 'Summary' Tab to 'Billing Summary', 'Usage' tab to 'Billing Usage' and 'Validate' to 'Validate Bill'</p> <p>3. PARTIAL: Rename 'Threshold' colors to 'Set Billing Range' and Move these color boxes to the center<br/>I don't like Setting Billing Range.... the colors fill in the cost for users. It does not set anything.<br/>Moved the colors to the center of the boxes.</p> <p>4. DONE Remove whole lines and text of tab/titles of summary charges and billing summary report</p> <p>5. DONE Search needs previous, next, beginning, last links<br/>- The links work now and have tool tips. The &gt; and &gt;&gt; are standard in almost all pagers. No need to make these words. Made the pager way smaller.</p> <p>6. DONE Move search in current place of thresholds colors<br/>Moved search and export to the top left of the grid instead of bunched together with the pager.</p> <p>7. DONE Remove the contains/less/greater than box and remove the red x<br/>The red x clears the search back to normal. I did not remove the ability to clear the search.</p> <p>Attached image is a recent screenshot of the new page.</p> |
| 3/11/2020 | 20107 | <p>This is finished and will be included in the 201xx release in 2020.</p>   |

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| 3/11/2020 | 20107 | <p>This is related to:<br/>20009001-05</p> <p>Brett has worked with Mark to put all these 'Detail' reports into Global reports that are not based on Views. This needs to be extensively tested for Speed. It would be a great test to have the bench marks (attached to this ticket in XLSX) ran again against the same database.</p> <p>I am moving this ticket to DEV Build so we can test it against the San Diego database. Fixed in version 20106</p> |
| 3/11/2020 | 20107 | The billing charts have been removed in 20107. This caused the reports to load very fast.   |
| 3/11/2020 | 20107 | <p>Changed the size of the dialog that shows when a New or Change order is selected. Made the text box re-sizable and changed the size of the comments box to be 100% of the screen width.</p> <p>Did NOT change the size of text box when the dialog is resized. BUT when a user types text into the notes area it will resize automatically.</p>  |
| 3/11/2020 | 20107 | Empty not text is not allowed on work order notes anymore.  |
| 3/11/2020 | 20107 | This was an GUID issue, like the rest of the CAIRS issues. It is now fixed and Organization dropdowns can be seen on the portal.  |
| 3/11/2020 | 20107 | UCS Ticket 2005102 - Manage Default Profile for Automatic Subscriber Creation and Manage Default Site for Automatic Subscriber Creation - Fixed error adding to the SystemGUIDSetting table. The GUID field was added for CAIRS web compatibility. If these settings did not exist, and were added later, the guid would be empty, resulting in a duplicate key error.  |
| 3/11/2020 | 20107 | <p>-added additional switch connection key "avaya cm" for provisioning the avaya SMS api (cm sat data)</p> <p>-stubs for avaya SMS api calls</p>  |
| 3/12/2020 | 20107 | UCS Ticket 2003606 - Fixed: From the Resource Manager Menu in Subscribers, the Organization Selection Grid had no visible columns.  |
| 3/12/2020 | 20107 | Fixed: 911 Interface. There was an issue with query dealing with standard directory records and ambiguous field definitions.  |
| 3/12/2020 | 20107 | Fixed: From the Orders/Troubles>Reports>Equipment and Service By Category, users limited by site could not run any reports. Any attempt to show all or search for data would return an error.   |
| 3/12/2020 | 20107 | Fixed issue with ticket where Add New Dedicated Plant button was throwing Object ref not set to inst. of object.  |
| 3/12/2020 | 20107 | Fixed: Users with Sites view in System Admin>Security>Users-Windows fails if there are any users with more than one site assigned because the constraints were being added to the results and could not allow more than one user. This error is also fixed for the following views when duplicate users are in the results: Simple List, Users with Profiles, Users with Sites and Profiles, New Users, and Disabled Users.                                 |

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| 3/12/2020 | 20107         | Fixed: Cannot add a member to Office Hunt Group. When there were no scripts related to this action, and the user chose to send to switch, CAIRS.net would crash. This is fixed, and the user will instead get an error message explaining that there are no scripts associated with that action. The action would work without error if the user chose not to send the request to the switch.  |
| 3/13/2020 | 20107         | Fixed - Permissions for some menu items were not carrying forward when converting from release 19107 to release 20100 and above. Anyone converting to the release 20107 or later should not be affected.   |
| 3/13/2020 | 20107         | Feature: There is a new system setting called "Note Default Font Size" - This setting should be 12 by default. Minimum value = 8, Maximum value = 40. Determines the default font size for all notes created in CAIRS.net. The system administrator can adjust this value, which applies to all users when creating notes. Bug: Fixed a copy to clipboard bug in notes throughout CAIRS.net. When notes are copied and pasted into Microsoft Word or other rich text editors, the font size would shrink to 75% of the original font size. If the clipboard adjustment makes the font too large when pasted, this fix can be turned off at a system level by changing the following system setting to False: "Note Override Clipboard Fix Rich Text Font Size" |
| 3/13/2020 | 20107         | Fixed: Removing 60-character cap on CSV fields. Also, custom value fields were not populating to 911 interface files. Fix was placed in where if there was no data returned for that field and there was no defaultValue for the associated field then we would use the custom value field that was entered into the interface.  |
| 3/16/2020 | 20107         | Made Include_In_911 field in connectivity table optional. Also had to fix queries used in 911 interfaces that referenced the now optional Include_In_911 connectivity field.   |
| 3/16/2020 | 20107 / 19108 | Fixed bug where Avaya syncs were failing with "object ref not set to instance..." error. This was due to the connectivity table not being in the dataset we were syncing from  |
| 3/19/2020 | 20108         | Drop downs in SP now linking to Global reports based on respective system settings   |
| 3/20/2020 | 20108         | Basic Avaya System Management Service (AES/CM) handling  |
| 3/24/2020 | 20108         | -Avaya SMS StatusStation api call implementation<br>-Avaya SMS ChangeStation api call implementation<br>-reflection implementation for all avaya api calls<br>-structure to handle single record returns<br>-switchapiconsole project handling of all new Avaya SMS api calls  |
| 3/25/2020 | 20108         | -Added Display Station handling for avaya sms api<br>-Added capability to handle ArrayType fields and differentiating between list arrays and field arrays<br>-adjusted list station call to use same column names as switch responds with, (so we can reflect through)  |
| 3/25/2020 | 20108         | Account Management as well as Equipment and Services controls are now disabled until the data loads.   |

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| 3/26/2020 | 20108 | Fixed bug where a subscriber portal system setting was trying to be added twice.  |
| 3/26/2020 | 20108 | CAIRSBDCreator can now generate and import other metadata. There is a checkbox for this.  |
| 3/26/2020 | 20108 | Bug found in development branch. Never released into production. ConfiguredSetDevice view change on 3/2/2020 to allow directory number to load correctly for ISDN sets prevented directory number from loading for all sets.  |
| 3/27/2020 | 20108 | Added paging abilities to Avaya SMS api calls   |
| 3/31/2020 | 20108 | -Avaya SMS Api: Add station and Remove Station<br>-Switch api console tool: add station, remove station, Bulk Add, bulk remove, bulk display  |
| 3/31/2020 | 20108 | Complete overhaul of SP Inventory system. SP Inventory now uses Global Reports and contains reports for all components in CAIRS.net.  |
| 4/2/2020  | 20108 | External report integration metadata is generated by default to "dynamic" billing   |
| 4/2/2020  | 20108 | Fixed the Edit Pending Order in SP. Orders with Buildings were not being loaded correctly. They are now.  |
| 4/2/2020  | 20108 | Standardized all exports across SP.   |
| 4/2/2020  | 20108 | GUID field was not being set for new for Resource Manager Approval Association, which was added recently for future CAIRS web compatibility.  |
| 4/3/2020  | 20109 | Fixed issue with asynchronous calls on avaya SMS api calls (switch api console).. Needed for testing on af stack  |
| 4/6/2020  | 20200 | Commands <ul style="list-style-type: none"> <li>•Added the ability to Reset a Subscriber password from CAIRS Web using a Command called Subscriber Password Reset.</li> <li>•Added the following commands to Number Plan Main: CreateNumberPlanRange, UpdateNumberPlanRange, DeleteNumberPlanRange, CreateAlternateNumberPlanRange</li> </ul> |
| 4/8/2020  | 20109 | Added a few more avaya api sms calls (off pbx station and list configuration station) for testing with switch api console   |
| 4/14/2020 | 20109 | -Fixed bug in avaya sip sync<br>-added handle column to AvayaUser and it now syncs on it  |
| 4/14/2020 | 20200 | Removed old Layout code.  |
| 4/14/2020 | 20200 | Added refinements to the conversion process when converting between CAIRS.net and CAIRS Web notes.  |
| 4/14/2020 | 20200 | -IronPython integration into SwitchAPIConsole, (run query action)<br>-Standard Python Library import into SwitchAPIConsole, basic python script handling<br>-Additional Avaya models for SMS api  |
| 4/16/2020 | 20109 | When saving the Subscriber information from the SP Profile page the Customer Code association was causing a SQL error. This is now fixed.   |
| 4/16/2020 | 20109 | Fixed bugs with how the voip switch sync respond to requests. Now does sync on switches where the request history guid is null, (hasn't been done yet).   |

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| 4/16/2020 | 20200 | Exporting a file from CAIRS Web will no longer save the file to the server first. It will be directly saved to the user's stream.  |
| 4/16/2020 | 20200 | Commands <ul style="list-style-type: none"> <li>•Added the 'Copy Profile' command and corresponding server code.</li> <li>•Added the 'Add Subscriber' command to schema.</li> </ul>  |
| 4/20/2020 | 20200 | -Regenerated DTOs<br>-restructure of cisco tables syncs for standard sets/directory<br>-Added CiscoDevicePool table sync<br>-Added CiscoDevicePool.Name to schema table  |
| 4/21/2020 | 20200 | -Fixed bug with max length in Cisco table sync tables.<br>-Added DeviceInformation cisco tables (cisco)<br>-Added DeviceInformation table syncs (cisco)<br>-Added ProtocolSpecificInformation schema tables (cisco)<br>-Added ProtocolSpecificInformation table syncs (cisco)<br>-Regenerated DTOs   |
| 4/22/2020 | 20109 | UCS Ticket 2011203 - Delete 4 old global report external integration metadata records that are no longer used by CAIRS.net, including Call Charge, Charges, Expected Call Charge and Expected Charges. These options have been replaced.   |
| 4/22/2020 | 20200 | CAIRS Web DateTime columns can now be filtered by Last Week, Last Year, Today, and similar options.  |
| 4/22/2020 | 20200 | Commands <ul style="list-style-type: none"> <li>•Added improvements to Command code.</li> <li>•Commands are now filtered by the user's permissions.</li> </ul>   |
| 4/22/2020 | 20200 | -Added Certification authority proxy function information cisco tables (cisco)<br>-Added Certification authority proxy function information table syncs (cisco)<br>-Added MLPP info schema tables (cisco)<br>-Added MLPP info table syncs (cisco)<br>-Added DND info schema tables (cisco)<br>-Added DND info table syncs (cisco)<br>-Regenerated DTOs |
| 4/23/2020 | 20200 | Added a MaxLength property for CAIRS Web columns.  |
| 4/23/2020 | 20200 | -Added CiscoDeviceInformationGroup table and modified all related foreign key schema tables to handle building the constraints<br>-Added missing cisco table, CiscoServicesProvisioning<br>-Added cisco tables syncs: ServicesProvisioning, KeySize, SoftKeyTemplate<br>-Regenerated DTOs  |
| 4/27/2020 | 20109 | See attached exported file.  |
| 4/27/2020 | 20109 | Dynamic Billing will now resolve cost transfers from lowest cost to highest instead of highest to lowest.  |
| 4/30/2020 | 20109 | The Fiscal Year GUID is no longer exporting with the Summary Export.   |
| 4/30/2020 | 20200 | Unix Times <ul style="list-style-type: none"> <li>•Updated Report Distribution code to handle converting between Unix time and Datetime values.</li> <li>•Added a UnixEndDate property for Report Distribution.</li> </ul>   |

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| 4/30/2020 | 20200 | Updated NumberPlanMain commands to have the correct keys.  |
| 5/1/2020  | 20109 | Fixed the Order required fields issues in SP/Orders  |
| 5/4/2020  | 20109 | Fixed help pageFile attachment errors.<br>Can now attach a file without a Category and a new category called 'Help' is created.<br>File attachments on home page will only show File Names not paths.<br>Rearranged the Login screen so it is vertical instead of horizontal.<br>The Login screen uses the logo file uploaded by the Admin if it exists (it didn't do this before), if there is no logo uploaded it will default to the SP logo. |
| 5/4/2020  | 20109 | Fixed Files attachment required exploit. Now file attachments will be forced required, even if the user cancels the request, then tries again.   |
| 5/4/2020  | 20109 | Removed all Note Size change code. Service Request notes are all just 150px. Works on IE and in Chrome.  |
| 5/4/2020  | 20109 | Moved Registration download files, added the right cursor, tool tips and ensured that only the Filename will get saved/displayed to the end user.  |
| 5/4/2020  | 20109 | Removed Reset Profile on the Profile/Manage page.  |
| 5/4/2020  | 20109 | Changed Welcome Name (Username) to Profile: Name (Username) on top right side of all Portal Pages.   |
| 5/4/2020  | 20200 | Fixed an issue where the CiscoDevicePool field 'Enabled' was renamed to 'IncludeInSync'.   |
| 5/4/2020  | 20200 | Merged all changes from 20109 to 20200 (Master) 5pm  |
| 5/4/2020  | 20200 | Merged all changes from 20109 to 20200 (Master) 10am   |
| 5/5/2020  | 20109 | Fixed - Dynamic Billing - Cost transfer would fail if the original billing data predated the Funded Program Account Association cost tracking change. Also the cost transfer would also fail if the imported Charge Date and Time had no value.  |
| 5/5/2020  | 20200 | Multiple checkin's throughout the past few days. For Cisco:<br>-Reworked the server side code for Cisco Phones retrieval and Cisco Device Pools (pulling from db and checking to see if any of them are set to include in sync = false)<br>-New tables: CiscoMlppAndConfidentialAccessLevelInformationGroup, CiscoProductSpecificConfigurationLayoutGroup, CiscoDoNotDisturbGroup<br>-More enum values for specific cisco static dropdowns       |
| 5/6/2020  | 20109 | Fixed Copy Profile action in System Admin > Security > Profile. (fixed before release)   |
| 5/6/2020  | 20109 | Added a Schema relationship between CustomerCodeExpectedChargeSummary and CellPhoneMain  |
| 5/6/2020  | 20109 | Added ability for CAIRS Admins to check CEDC database connection by navigating to CEDC and using the new Database Connection Check page.   |
| 5/6/2020  | 20200 | -added CiscoCertificationAuthorityProxyFunctionInformationGroup table<br>-regenerated dtos<br>-code clean up in cisco sync area  |
| 5/7/2020  | 20110 | CAIRS status bar now shows which server managed the last request. Additional status bar cleanup to prevent the text in the status bar from getting wiped out.  |

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| 5/11/2020 | 20110 | Switches > VoIP Switch Sync > Sync History - Form was not initializing correctly, resulting in an error.  |
| 5/12/2020 | 20110 | SP - Add Save Finished notification on Configuration Page   |
| 5/12/2020 | 20200 | cisco developments:<br>- basic framework for building new sets in new sync based off switch record<br>- new helper classes (dd lists, queues, etc) for new sync<br>- Queuing implementation for new sync<br>- small bug fixes from previous sync process and few bug fixes in new table sync processes<br>- expansion on table syncs  |
| 5/13/2020 | 20200 | Server Cache<br><ul style="list-style-type: none"> <li>• Added a Server Cache for metadata.</li> <li>• Remmed out server cache code due to slow loading speed.</li> <li>• Improved the server cache loading speed significantly.</li> <li>• Multiple calls to the database to get reports, schema, and charts have been replaced with code that uses server cache instead.</li> </ul> |
| 5/18/2020 | 20200 | Added FetchTranslationBySchemaKey endpoint.   |
| 5/19/2020 | 20110 | FB60 and FV50 views in a Billing Run no longer show zero cost data after aggregation.   |
| 5/19/2020 | 20110 | Fixed issue which could allow negative funded account balance after running a cost transfer, due to a rounding issue in the process that reimburses the call charges from the default account and transfers those charges to the account associated to the related extension. Also implemented a counter that runs during this part of the billing process and additional logging.    |
| 5/19/2020 | 20110 | Internal change - Disconnected queries that update the database through CoreDAO now start and commit a transaction internally. This makes use of the RecoveryManager possible with disconnected queries that update the database.   |
| 5/19/2020 | 20200 | - new cisco sync -- basic cp, cb, cd, ss, ssass, sd, sdass and sb sets/tables are building.<br>- code organization<br>- stubs for adding to group detail tables   |
| 5/19/2020 | 20200 | Added a FetchDropdownReports endpoint to the ReportController.  |
| 5/21/2020 | 20200 | Fixed an issue with loading default values for columns when a report loads.   |
| 5/21/2020 | 20200 | Fixed an issue where a dictionary needed to use a TryGetValue because it would try to get an item that did not exist.   |

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| 5/26/2020 | 20110 | <p>Lots and Lots of changes in SP. Specifically these tickets: 1914101<br/> 2013203<br/> 2013500<br/> 20009001-06<br/> 20009001-07<br/> 2013502<br/> 2013510<br/> 2013500<br/> 20009001-06<br/> 20009001-07<br/> 2013502<br/> 2013510</p> <p>Also I hid the Forms login controls if the IIS Authentication is set to Windows or None. Hid the CAC Login button the IIS Authentication is set to Forms.</p> |
| 5/26/2020 | 20200 | cisco syncs adding all missing detailed information to records   |
| 5/26/2020 | 20200 | <p>Caching</p> <ul style="list-style-type: none"> <li>-Reports are now sorted by caption when retrieved cache.</li> <li>-Added refinements to getting dropdown reports and translations from the cache.</li> <li>-Refactored more server code to use the cache.</li> </ul>   |
| 5/27/2020 | 20200 | Refactored server code that handles charts.  |
| 5/28/2020 | 20202 | <ul style="list-style-type: none"> <li>-Renamed many cisco table fields</li> <li>-Bug fix in dbcreator not displaying error messages when failure happens early</li> <li>-few small bugs in cisco sync process</li> <li>-regenerated DTOs</li> </ul>   |
| 5/29/2020 | 20203 | Renamed two properties in the schema metadata.   |
| 5/29/2020 | 20203 | Added code to schema for dropdown reports.   |
| 6/1/2020  | 20111 | Fixed error saving SP configuration when there is no custom Logo on the SP/Configuration page.   |
| 6/1/2020  | 20111 | Changed the default sort position of SPSubMenuManagement data.   |
| 6/1/2020  | 20202 | Fixed - When opening a record from a global report, then saving from the edit form, the edit form would go behind the menu form.   |
| 6/1/2020  | 20203 | Updated database calls on the server to use the metadata cache instead.  |
| 6/2/2020  | 20202 | Added User_Main CustomRelationship to RecordLocking table in OpenRecordManagement  |
| 6/2/2020  | 20202 | Added RecordLocking as PrimaryTableSchemaKey in OpenRecordManagement menu  |
| 6/2/2020  | 20202 | Added CustomRelationship from User to Site, User to Org and UserActivityLog to UserMain  |
| 6/2/2020  | 20202 | Removed most of the asp.net web stuff from CAIRS server project. JQuery, CSS classes, etc. We don't use them. Also removed WebPages from the web.config because it was interfering with CEDC and SP  |
| 6/2/2020  | 20202 | Cisco new sync: When loading a CAIRS record for the sync, ALL records that make up the cisco CAIRS record are marked as "existing" or "new".   |



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| 6/3/2020  | 20111 | Defaulted the SP Inventory ExternalReportIteration Metadata to Classic, as per Jareds request.  |
| 6/4/2020  | 20203 | CAIRS Web: Fixed an issue with recent records.  |
| 6/8/2020  | 20202 | -Cisco New Sync: baseline architecture for existing records sync<br>-Existing CAIRS cisco records query for details (needs constants still)   |
| 6/9/2020  | 20203 | Added additional checks when loading the metadata cache.  |
| 6/9/2020  | 20203 | CAIRS Web: Added code to check relationships between fields on a field change. Such as Site and Building in WorkOrderMain.  |
| 6/9/2020  | 20203 | Added a Circuit Connection Control to metadata.   |
| 6/9/2020  | 20203 | CAIRS Web: Fixed a method reference.  |
| 6/9/2020  | 20203 | CAIRS Web: Fixed an issue where a report would not load in a sub record.  |
| 6/10/2020 | 20203 | CAIRS Web: Added a check for the MetaChange Datatype property on a record edit.   |
| 6/10/2020 | 20203 | Added a DatabaseCalls class with some common calls to the database using npoco.   |
| 6/10/2020 | 20203 | cisco sync now adds new appearances (line records only). It also syncs existing appearances.  |
| 6/11/2020 | 20203 | Updated code using the FieldsNeededBySync property to SyncInfo.FieldsNeededBySync.  |
| 6/12/2020 | 20203 | Updated CAIRS Web Postman json files  |
| 6/12/2020 | 20203 | CAIRS Web: Cleaned and updated server code due to postman testing.  |
| 6/12/2020 | 20203 | -Changed the way we cache/lookup standarddirectory records for the cisco sync. Query now includes records that match the switch guid if it's provided through the numberplanlisting or the sdCiscoAssoc record OR if the Npl is NULL.<br>-no longer syncs the SS.Set_Device_Identifier field on Existing records (still syncs on new records)   |
| 6/15/2020 | 20203 | Changed the way that Standard Sets loads changes for the Sync button in the ribbon. The new code uses metadata to find change history through historical associations between records.  |
| 6/15/2020 | 20204 | Bug fix related to adding new standardset records in cisco sync where the set_Device_identifier field was null  |
| 6/16/2020 | 20204 | Standard Set and NEC Sync - Sync Changes from Standard Sets now loads properly immediately after save. All changes made related to sets seem to load correctly. Status bar shows how many pending changesets there are. NEC sync correctly manages adding and removing numbers from a set or removing users from a number. Still need to manage the history for removing a user from a number from the Standard Set UI. |
| 6/17/2020 | 20111 | Added conversion, Delete Old Assignment Schema-Bound Views. This deletes the 4 schema-bound views that used to be in the Assignment table that were removed to allow for multiple cross connects to be assigned.  |
| 6/17/2020 | 20204 | CAIRS Web: Added two new endpoints to help speed up record loading in CAIRS web.  |
| 6/18/2020 | 20204 | CAIRS Web: Adjusted how the server detects a dropdown change in.  |
| 6/18/2020 | 20204 | Updated some LoadDBSchema calls to use the Metadata Cache instead..   |

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| 6/18/2020 | 20204 | CAIRS Web: Fixed an issue introduced by combining some api calls.   |
| 6/18/2020 | 20204 | NEC Config file now exports Data Entries.   |
| 6/19/2020 | 20204 | NEC Sync - Better error handling for data change history logging. Fixed bug related to transferring GUID from history to DTO. Fixed sync issues related to standard button address association. Address and User sync improvements.   |
| 6/19/2020 | 20205 | -New cisco sync --Now syncs all detail group tables, existing and new. Also, records deleted from the switch are now marked as removed in the respective CiscoPhone.Sync_Status field   |
| 6/22/2020 | 20111 | Customer Code can no longer be deleted if that customer code is linked to an account.   |
| 6/22/2020 | 20205 | CAIRS Web: Refactored some queries for loading the profile actions control in CAIRS web. All record reports that should be available will show now - updated cache code.  |
| 6/22/2020 | 20205 | Standard Sets - Fixed saving of account management data. Also, if an error occurs while saving equipment and services or any other data fails to save after clicking save and close, an error will now prevent the form from closing.   |
| 6/25/2020 | 20206 | Cisco - Standard Sets - Working on being able to add new Cisco records from Standard Sets. Added metadata for Data Rules between Cisco Phone and Standard Set tables to keep the data matching.   |
| 6/25/2020 | 20206 | CAIRS Web: Fixed some issues with Dropdown relationship filtering. Fixed an issue where Undoing a pending change did not show the correct value if the field had been changed multiple times.   |
| 6/25/2020 | 20206 | CAIRS Web: Fixed an issue with where selecting a different Switch in a dropdown would not save.   |
| 6/26/2020 | 20206 | -CTI Route Points sync for cisco: new table CiscoCtiPhones, CiscoPhoneGuid is now optional field in standardsetciscoassociation table and CTIPhoneGuid field was added, (also nullable)   |
| 6/29/2020 | 20206 | -CTI devices are now being synced as their own phone type (CiscoCtiPhone)<br>-The StandardSetCiscoAssociation table now tracks CiscoPhoneGuid, CiscoCtiGuid, CiscoGatewayGuid, CiscoMobilityProfileGuid... all of which are now nullable<br>-CiscoPhone records are now the only phone types that have a ciscobutton record... (currently working to phase this table out... all phone types and switch types will utilize the StandardButton table for this purpose instead) |
| 6/30/2020 | 20206 | -Confidential Access Level api calls for cisco<br>-Confidential Access Mode enum list now syncs<br>-Regenerated DTOs  |
| 7/1/2020  | 20206 | Commented out some server code to get master to compile.  |
| 7/1/2020  | 20206 | Standard Set - Cisco - Standard Set Templates work for Phone and CTI Device Installation Types. Template will automatically select Installation Type. Added data rules for filling Device Name from MAC Address and keeping Device Name in sync between Cisco Phone and Device Information.   |
| 7/1/2020  | 20206 | Fixed custom name for calling search space and MOH fields that reference the same dropdown table  |
| 7/2/2020  | 20207 | Cisco sync: CTI Ports are now syncing as CiscoPhone records not CTI devices   |

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| 7/7/2020  | 20112 | <p>Inventory – Service Request Changes</p> <ul style="list-style-type: none"> <li>• Fixed related field help. We now show field help on inventory service request fields.</li> <li>• We now show the type of device and how many are ready to be saved.</li> <li>• Now when saving the service request, if there are other requests with missing fields a message will display showing the component name where the required fields are missing.</li> <li>• Added the Paste from previous functionality but named it 'Paste from first' because it will copy what every you put into the first request and that data can be pasted to all remaining requests.</li> <li>• File attachments now work the same in Service Requests and Inventory Service Requests.</li> <li>• Show a message after closing the Modal window that shows the components that were saved and a link to each of them.</li> </ul> |
| 7/8/2020  | 20207 | <ul style="list-style-type: none"> <li>• Added more Postman Tests</li> <li>• Added server code for dropdown changes to affect related fields.</li> </ul>  |
| 7/9/2020  | 20207 | Added refinements to drop down server code.   |
| 7/10/2020 | 20207 | Refactored server code for better readability   |
| 7/13/2020 | 20207 | Exclude charts when looking for a reports total record count.   |
| 7/14/2020 | 20207 | <ul style="list-style-type: none"> <li>• Fixed a CAIRS Web bug when checking data rules.</li> <li>• Added code to undo related field changes.</li> </ul>  |
| 7/14/2020 | 20207 | Added a new menu, Record Reference History under System Admin > Security. Working on data change management for Cisco Standard Sets.  |
| 7/15/2020 | 20111 | Fixed CAIRS API for SQL SELECT Queries.   |
| 7/15/2020 | 20207 | <ul style="list-style-type: none"> <li>• Updated Postman tests and fixed a subfolder issue that caused some tests to not run correctly.</li> <li>• Changed reference to 'sch' from 'schDrop' that was a keeping the server from compiling.</li> <li>• Fixed a query that was failing to run. Found from postman tests.</li> <li>• Removed postman tests related to file attachments.</li> </ul>   |
| 7/16/2020 | 20207 | <ul style="list-style-type: none"> <li>• Reverted a previous change so that the client can read pending changes correctly.</li> <li>• Pending change coordinates are returned to the client when opening a record and fetching menu data</li> </ul>   |
| 7/20/2020 | 20207 | Db Tool now ignores non-'dbo' schema table/views. These tables/views will not be touched during update. Nor will they cause a problem during a database update.   |
| 7/20/2020 | 20207 | Cisco Sync now removes unused line appearances on cisco sets.   |
| 7/21/2020 | 20111 | No longer going to the RIS api when opening up a cisco phone record. The registration sync handles all of the IP address, registration data   |
| 7/21/2020 | 20207 | <ul style="list-style-type: none"> <li>• Fixed an issue where CAIRS Web notes were not updating after a Note Category was removed</li> <li>• Added missing schema for Call Accounting tables</li> <li>• Added Custom Commands for Run Process Now and Cancel Process</li> </ul>   |
| 7/21/2020 | 20207 | cisco sync: now gateway devices won't include the Certification Authority Proxy information and Do Not Disturb groups.  |

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| 7/22/2020 | 20111 | Fixed an error in CES, which could cause CES to shut down with an invalid operation exception if both the "Dynamic Billing Manager" CES process and the "Vendor Media Import Manager" CES process try to run in the same timeframe.  |
| 7/22/2020 | 20207 | -Added Gateway table sync<br>-gateway guid on ciscophone table now<br>-sync now associates ciscophone records to gateways  |
| 7/22/2020 | 20207 | Cisco sync - sync status and status date fields are now updated to "in sync" and current time when a record is included in the sync. Regardless of if it's found out of sync or not. On a full sync, all records will update these 2 fields. On a changes only sync ONLY the records that show changes will be updated. Previously these fields would only be updated if the main ciscophone record was found out of sync... now it updates with any table change on the record. |
| 7/22/2020 | 20207 | Db Tool no longer throws precheck error if VersionStamp column is added to table without specifying a default value, (and the table has data).   |
| 7/23/2020 | 20111 | Fixed object error issue with AliTransferData CES service,   |
| 7/23/2020 | 20207 | Added a refinement to the CAIRS Web delete code.   |
| 7/23/2020 | 20207 | -Removed CiscoGatewayGuid from STandradSetCiscoPhoneAssoc table.<br>-regenerated dtos<br>-removed old references to CiscoGatewayGuid   |
| 7/24/2020 | 20204 | RelatedColumns error handling when user clicks 'show all' before grid is loaded.   |
| 7/24/2020 | 20207 | <ul style="list-style-type: none"> <li>•Updated Postman Tests</li> <li>•Added FieldCustomization to server cache</li> <li>•Regenerated DTOs</li> <li>•Added Dial_Code_Description field to UCE_DigitsToAdd and a VersionStamp field to FieldCustomization</li> <li>•Added a GetArchiveDatabase endpoint.</li> </ul>  |
| 7/28/2020 | 20207 | •Commented out some code until a compile error was fixed.  |
| 7/29/2020 | 20207 | <ul style="list-style-type: none"> <li>•When a new report is saved, LastReportByUser is updated so the report will show afterwards.</li> <li>•Added an optional parameter to MergeStorage to update the Metadata cache.</li> <li>•Fixed a cache issue.</li> </ul>  |
| 7/30/2020 | 20111 | DB Tool now ignores encrypted views  |
| 7/30/2020 | 20207 | <ul style="list-style-type: none"> <li>•Only Menu Report will get saved to the LastReportByUser table.</li> <li>•Added a CanEdit property to schema that will determine which fields in a table are editable.</li> </ul>   |
| 7/31/2020 | 20207 | •Merged in Mark M's Postman tests.   |
| 7/31/2020 | 20207 | -new cisco sync incorporates mislinked record fixes<br>-new cisco sync leverages old code that links number plan listings to legacy cisco tables   |
| 8/3/2020  | 20111 | The password fields in network devices, which are not used by CAIRS.net, have been hidden, and will be made visible and encrypted in a future release when functionality is added that allows for communication with devices on the network.   |

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| 8/3/2020  | 20207 | <ul style="list-style-type: none"> <li>•Removed the SystemMetadataUserRecordLayout table from schema.</li> <li>•Regenerated DTOs after removing SystemMetadataUserRecordLayout.</li> <li>•Cleaned server code due to removing the SystemMetadataUserRecordLayout table.</li> </ul>   |
| 8/5/2020  | 20111 | Dedicated Plant no longer defaults to Dedicated with Port. For new connectivity, this is now controlled by a system setting, with a default value of Not Dedicated.  |
| 8/5/2020  | 20207 | <ul style="list-style-type: none"> <li>•Added schema properties to more fields that will not be editable in CAIRSweb.</li> <li>•Regenerated DTOs</li> <li>•Updated the hidden property on columns.</li> <li>•Partial check-in of CAIRS web import code.</li> </ul>   |
| 8/5/2020  | 20207 | Cisco Phones now show all unassociated assigned line data. This shows in the old ciscophones area and is needed for the new sync   |
| 8/6/2020  | 20207 | Modified how buttons are parsed and loaded from the cisco api. Fixed bugs where unassigned associated items were not showing up. Fixed indexing issues during parsing of BLF's. Got rid of the unnecessary api calls to the same GetPhones method for each button.   |
| 8/10/2020 | 20207 | <ul style="list-style-type: none"> <li>•Added ExportLayout endpoint and related code.</li> <li>•Fixed an issue in the ReportLibrary file.</li> <li>•Added refinements to CAIRS Web importing.</li> <li>•Added a fix to CAIRS Web importing and connectivity tests.</li> <li>•Updated postman tests.</li> <li>•Updated more CAIRS web import code.</li> </ul> |
| 8/12/2020 | 20207 | <ul style="list-style-type: none"> <li>•Changed the data returned by a CAIRS web import.</li> <li>•Refactored CAIRS web Copy Profile command to increase speed.</li> </ul>   |
| 8/13/2020 | 20207 | <ul style="list-style-type: none"> <li>•Fixed some report builder filtering issues with contains, begins with, and ends with</li> <li>•Fixed an issue with adding filters to reports for dropdown fields with contains.</li> </ul>   |
| 8/13/2020 | 20207 | Cisco syncs:<br>- new architecture for syncing other button types, (speed dials, intercom, etc)<br>- new table CiscoSpeedDial and syncing capabilities of speed dials<br>- DTO regeneration<br>- new settypebutton button types for new cisco button types (cisco intercom, cisco unassigned intercom, cisco speed dial, etc)                                |
| 8/14/2020 | 20111 | <ul style="list-style-type: none"> <li>•Fixed some report builder filtering issues with 'contains', 'begins with', and 'ends with'</li> <li>•Fixed an issue with adding filters to reports for dropdown fields with 'contains'.</li> </ul>   |
| 8/17/2020 | 20207 | Added code for Compatibility of Report Date Filters between CAIRS.net and CAIRS Web.   |

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| 8/20/2020 | 20111 | Fixed issue in 201XX and Master build.<br>-911 data not showing up for CISCO sets has to do with the field in CrossConnect "Include in 911"<br>-To fix this before getting code update, just make sure the field in crossconnect is filled out to "default" or "always". This can be done individually or through a SQL query  |
| 8/20/2020 | 20207 | -progress logging in cisco sync<br>-added ciscobutton.unassigned field<br>-regenerated dtos  |
| 8/20/2020 | 20207 | Cisco sync now handles: intercom, speeddialblf and blfdirectedcallpark buttons. All added to their respective table.   |
| 8/21/2020 | 20207 | -Cisco Sync now syncs Unassigned Associated regular lines correctly  |
| 8/25/2020 | 20207 | -Sync now adds basic StandardSet/StandardDirectory records for legacy cisco sets, (ciscophone records missing a respective StandardSetCiscoAssociation record). This is done PRIOR to the actual sync.   |
| 9/4/2020  | 20111 | NEC Sync - Fixed Device Sync to use the MAC Address for the ID instead of the Name.  |
| 9/4/2020  | 20208 | -cisco sync now brings in device profiles (extension mobility) as CiscoPhone records<br>-sync bug fixes and code cleansing<br>-new CiscoDeviceProfileInformationGroup table<br>-DeviceProfileInformationGroup data now added to respective cisco table for extension mobility profile records<br>-added additional name look up for dndOption records (table sync)<br>-adjusted the way we lookup device classes to prevent additional incoming formats being set to the wrong device class (bug fix here also)<br>-regenerated DTOs |
| 9/9/2020  | 20209 | Updated DoD warning message in CAIRS.net, CEDC, and SP to meet latest JITC requirement.  |
| 9/11/2020 | 20208 | Added billing reports that are shared between the customer code and billing period records when dynamic billing is turned on. This option allows for reports to be grouped together and excel spreadsheets generated from those reports.   |
| 9/17/2020 | 20113 | Not released bug fixed - Stackoverflow would occur when opening a global report with multiple levels of search.  |
| 9/23/2020 | 20209 | -Bug fix in multi-threading operation for cisco sync<br>- sync much faster and not prone to hang up<br>-Cisco Registration Sync modifications<br>-CiscoOwnerUserId.CucmGuid changed to string to handle non-MS guid formats<br>-Fixed bug in query locking SQL -> (StandardButton insert was locking CiscoIntercom insert when in a transaction)   |
| 9/24/2020 | 20209 | Updated DeserializeJSON method to handle JsonCustom.   |
| 9/24/2020 | 20209 | Fixed bug where SetButtonFeautres.Switch_Feature_Text column wasn't large enough for data being imported.  |
| 9/24/2020 | 20209 | Cisco registration sync now syncs logged in Extension Mobility profiles.   |

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| 9/25/2020  | 20210 | Fixed how we determine the correct version of AXL objects to use. API calls will fail if a switch version is 2 ahead of what we currently support, not only 1 ahead. (e.g. switch version = 11 > axl objects of version 12 can be used, NOT version 13).  |
| 9/30/2020  | 20210 | fixed issue in cisco sync where records weren't being marked for removal when changes only consist of removed records.  |
| 10/2/2020  | 20113 | Bug fix: Global Reporting. Dynamic billing reports for billing period and customer code would fail under some conditions when files completed report files were being transferred from the server back to the CAIRS.net client. (This bug was not released)   |
| 10/5/2020  | 20210 | Global report builder - Allow report configuration to load even if a related table or view is missing.  |
| 10/6/2020  | 20210 | -registration sync now includes cti remote points<br>-Extension mobility sync no longer deletes all em logins first. It syncs existing em logins to prevent unnecessary inserts   |
| 10/7/2020  | 20210 | Fixed bugs where changes only sync wouldn't mark gateway devices or cti route points as removed correctly   |
| 10/9/2020  | 20114 | Bug Fix: Issue getting 911 data from CES if CUCM records exist in DB. <ul style="list-style-type: none"> <li>• Allows 911 automated files to run if they have CUCM records in database regardless of if they actually want to output those records in a 911 interface.</li> <li>• Allows users to use the "Include all numbers" options in the 911 template to allow or disallow multiple listings of same number for CUCM (Even if duplicates are also on button 1)</li> <li>• Cleans up the old issue of blank rows in NENA export</li> </ul> |
| 10/13/2020 | 20210 | Reworked how Cisco gateways are saved. Now Cisco phone links to a gateway member which then links to a gateway domain. Added calls to get the gateway endpoint: Slot, subunit and port. Port information is now being saved on sync.  |
| 10/13/2020 | 20210 | Removed MenuItem Search criteria for Subscribers.Disabled and User.Disabled fields.   |
| 10/14/2020 | 20210 | Added more concatenation delimiter choices to Report Builder (-,_,/,\\, etc) Now report cast non-strings to VARCHAR if they are being concatenated  |
| 10/15/2020 | 20210 | Added CiscoExtensionMobilityLoginInformation and CiscoGatewayEndpointAndDomain views for the CAIRS.net client to display extension mobility and gateway information inside of the record itself. regenerated dtos   |
| 10/16/2020 | 20114 | Changed way Remedy interface debug logs to file.  |
| 10/19/2020 | 20210 | cisco sync - all SQL transactions are called inside of one method that's wrapped inside of a single recoverymanager execution method.   |
| 10/20/2020 | 20211 | Cisco Sync Fixed bug due to wrapping transactions into single recoverymanager.execution method. (Dictionary passed byref)   |
| 10/21/2020 | 20211 | -Fixed NEC and Cisco Syncs to NOT clear the service log if syncing additional switches  |

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| 10/21/2020 | 20211           | -Fixed issue in a cisco switch where the Sync Now button was syncing all switches.<br>-All cisco sync processes now default to use the new sync, (standard set option = use switch default)   |
| 10/22/2020 | 20114           | #201022 Organized common code used for filtering SQL WHERE clause for 911 interface. Selected NNX had filter issues for records other than configured sets. Also fixed bug object error on modifying prefix for AS5300 and CUCM.  |
| 10/27/2020 | 20211           | Switches > Feature Management: Added SwitchFeatureSection table, which allows features to be grouped into sections.   |
| 10/27/2020 | 20211           | -Fixed bug in cisco sync where gateway members were being updated outside of transaction<br>-Removed SOLR reindexing on ces services  |
| 10/29/2020 | 20111 and 20114 | Cisco Phones - Fixed object reference error when loading a phone from the cache that needs to be updated from the switch.   |
| 11/2/2020  | 20111 and 20114 | Cisco phone records no longer blank out phone config section when adding new line appearance to set   |
| 11/4/2020  | 20212           | -Added CiscoGatewayUnitData table to track Cisco gateway slot, subunit and port information<br>-New table sync to track gateway unit data<br>-Special metadata properties on CiscoGatewayMember to link slot, subunit, port and gateway back to CiscoGatewayUnitData<br>-Fixed loop in global reporting JoinManager to not miss last join element in array                    |
| 11/5/2020  | 20213           | -Added new SwitchSettingsCisco table<br>-Repair to convert Switch.Sync_Changes_Only value to new SwitchSettingsCisco.Sync_By_Changes_Only<br>-Removed Switch.Sync_Change_Only column moved references to new table SwitchSettingsCisco<br>-regenerated DTOs<br>-Now cisco registration sync portions utilize SwitchSettingsCisco settings to determine if they'll run or not. |
| 11/5/2020  | 20213           | Cisco registration sync no longer clears service log on each switch (only clears on first instance)   |
| 11/17/2020 | 20214           | Standard Sets - Feature Management - Completed update of feature management and added the ability to create and add sections.   |
| 11/17/2020 | 20214           | -Added base architecture for Vendor Config data in the cisco.<br>-Commented out Product Specific Configuration Group comparison data since it'll no longer be utilized.<br>-NEW Vendor config records are being added.<br><u>-Still need to work on Comparison of existing records.</u>   |
| 11/18/2020 | 20214           | Standard Sets - Feature Management - Database Change - Removed Display Text and Position from StandardButtonFeatureParameter table. These values are loaded from the feature definition data and are not needed.  |
| 11/19/2020 | 20214           | Organization - Fixed - GUID column was visible in Related Account pane.   |



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| 11/24/2020 | 20211 | #201124 911 CSV files were having issue with new code put in to deal with duplicate numbers if user unchecked "Include all numbers"   |
| 11/24/2020 | 20214 | -Fixed bugs in matching numbers on cisco sync with no cucm guid.<br>-Fixed bug in feature management in regards to cisco product specific config layout<br>-Cisco sync logging adjustments  |
| 11/30/2020 | 20115 | Global Report Builder - Changed the breadcrumb so that it shows the path in parenthesis, with the current source before the grouping. This makes it visually more clear which data source is currently selected.  |
| 11/30/2020 | 20115 | Global Reporting - Customer Code and Billing Period reports - Fixed unhandled exception deleting a report group.  |
| 12/1/2020  | 20115 | Global Reporting - Report Export Groups - Refinement - If there is a report group with no reports, then that report will be removed automatically when the record is saved, and no error will occur. This reduces confusion and prevents illogical groups (with no reports) from being saved with the other valid groups.                               |
| 12/1/2020  | 20115 | Global Reporting - Added metadata needed to link work orders / troubles to existing configured items for report building purposes.  |
| 12/1/2020  | 20115 | Excel Export - Worksheet title - Automatically replace the following invalid characters with a dash (-)... /, \, ?, *, ], [, :  |
| 12/1/2020  | 20214 | Global Reporting - Report Export Groups - Refinement - Improved the error message that occurs when a report that is part of a report group has been deleted and a user tries to generate that report group file.  |
| 12/1/2020  | 20214 | Standard Sets - Switch Sync / Data Changes - Added support and metadata to allow changes to records in specific tables that need to provide additional information to switch syncs to log those additional details. This additional metadata could also be used in any case in which additional data needs to be logged related to a change, if needed. |
| 12/1/2020  | 20214 | Adjusted all the core data import/exports to handle the new SwitchFeatureSection table and the cisco sync automatically editing the tables regarding switch features  |
| 12/2/2020  | 21101 | Added server code to limit the number of logon sessions per user.   |
| 12/4/2020  | 20116 | Global Report Export Groups - Fixed the way that cells were formatting. Previously formatted as text only. Now the format is based on formatting rules used elsewhere in CAIRS.   |
| 12/4/2020  | 20116 | Customer Code - Global Reporting - Fixed "The report has already been added to this group error that occurs when adding a report to a group, then changing the Fiscal Year or Billing Period.   |
| 12/4/2020  | 21101 | -Added Registration Status to cisco phone display class.<br>-Changed order of ciscophone fields   |
| 12/8/2020  | 20117 | Global Report Export Groups - Additional fix related to the way that cells were formatting. Fixed new issues with formatting quantity and date values. Date/Time fields now use the format specified in a global report, if specified for that field.   |

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| 12/8/2020  | 21101 | Global Report Export Groups - Fixed the way that cells were formatting. Previously formatted as text only. Now the format is based on formatting rules used elsewhere in CAIRS. Fixed issues with formatting quantity and date values. Date/Time fields now use the format specified in a global report, if specified for that field. |
| 12/10/2020 | 21101 | CAIRS Server Installer - Removed all components and references to Solr.   |
| 12/11/2020 | 21101 | Cisco syncs now log to the Script History area ... once again.  |
| 12/14/2020 | 21101 | Cisco Registration sync logging for clarity   |
| 12/14/2020 | 21101 | Cisco changes only sync now does a full sync if CAIRS's next change id is less than the first change id in the cisco, (CAIRS is too out of sync for changes only sync).   |
| 12/15/2020 | 21101 | Added code for CAIRS.net to use the session checking code.  |
| 12/15/2020 | 21101 | Switch api console now handles looping listChange api call for testing change frequency in CUCM for cisco sync by cycle time  |
| 12/16/2020 | 21101 | Caching special fields for cisco device information instead of looking up in switch for every record.... speed increase on cisco switch sync  |
| 12/17/2020 | 21101 | Added a HideTechnicalDetailsInErrors setting and updated exception handling code to use it.   |
| 12/17/2020 | 21101 | UCS 2013505 - Created ResolveExtension() to get the extension value and open the Reject Calls View.   |
| 12/18/2020 | 21101 | Cisco sync: Fixed logging to run on both threads. Added filter to Old records conversion, (only runs as necessary now).   |
| 12/18/2020 | 21101 | Bug fix in cisco switch sync when syncing phone model and phone button template fields  |
| 12/22/2020 | 21101 | Updated logging messages for JITC tickets.  |
| 1/5/2021   | 21101 | Cisco special numbers no longer have ciscobutton, ciscodirectory, standarddirectory or standarddirectoryciscoassociation records. (Speed dials, BLF speed dials, intercoms, directory call park)  |
| 1/6/2021   | 21102 | -New cisco switch setting, Sync Product Specific Configuration Layout. Sync now utilizes this setting and will sync this section of a set during the regular cisco switch sync if this box is checked otherwise, this section will be skipped.<br>-regenerated dto's  |
| 1/22/2021  | 21103 | -Fixed bug in assigning set types to standard set records when phone model on existing ciscophone record is null.<br>-Not converting records that have been marked as removed to standard sets  |
| 1/25/2021  | 20117 | Empty rows will no longer be added to NENA 911 file. ie. when default standard records are all set to NONE  |
| 1/25/2021  | 21103 | #210125 UCS 2028300 Option in CSV file to get rid of quotes.  |
| 1/25/2021  | 21103 | fixed bug with cisco sync trying to import ciscobutton records that already exist.  |
| 1/27/2021  | 21103 | Closing CAIRS.net now ends the user's session.  |
| 1/28/2021  | 21104 | NEC Sync - CAIRS to NEC - Fixed delete in cases where the Station Name does not match the Device Name. Fixed Add as well, which had a bug that was never released.  |

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| 1/28/2021 | 21104 | Now in cisco sync, if button needs to be recreated the CiscoButton is deleted first if exists.   |
| 2/1/2021  | 21104 | Fixed small bugs related to gathering directory number on Cisco CTI route points when the NPL is associated to 2 switches.   |
| 2/2/2021  | 20111 | Fixed issue with multiple listings where the primary record was on a set that did not have location data. Location for appearances were being included in 911 file which could be incorrect and cause adding and deleting everytime a "C" interface was run. If 911 is not "Include All Numbers" then we need to exclude anything that is not a primary listing (ie. DirectoryLine.PrimaryDirectoryLineListingGUID = null) |
| 2/2/2021  | 21104 | AS5300 - If the "Connectivity Required" system setting is false, the AS5300 form was still requiring connectivity.   |
| 2/12/2021 | 21104 | Cisco Sync - Initial release of CAIRS to Cisco sync ready for testing. Fixed issue that was sometimes preventing any errors that occurred during the sync from loading in the standard set record after the sync completed.  |
| 2/18/2021 | 21104 | Added Customer Code Site Assoc to allow for multiple sites to be related to a customer code. Updated related views. Removed the Site directly on the Customer Code record. Conversion during database update transfers the site data to the new association table.   |
| 2/24/2021 | 21104 | -removed solr reindexing after syncs<br>-adjustments to avaya switch report parser to handle duplication issue with 'data sets' in a regular display station   |
| 2/25/2021 | 20111 | Fixed issue in Avaya sync parser to account for no spaces AFTER the button number  |
| 2/25/2021 | 20111 | Cisco - Fixed error loading single phone from Cisco Phones menu. Updated RIS Proxy to handle unexpected results from SelectCmDevice method of RIS API. This is meant to prevent an "Index was outside the bounds of the array." error.   |
| 2/25/2021 | 21104 | Updated the PortalDynamicCallDetail view for SD Portal Validate Bill by Vendor. Removed references in the view to BillingPeriodImportedCalls.<br><br>The SP/Billing/Validate Billing tab will not have correct details until Mark W finished the data conversion to move all data from the BillingPeriodImportedCalls table.   |
| 2/26/2021 | 21104 | In an order or trouble, when the user clicks "Contact Info" in the ribbon, the system would show an error when either a TCO or subscriber had not been selected. Now the message says that there is no TCO/subscriber currently selected.  |
| 3/2/2021  | 21104 | Added the TCOGuid field to the GetChanges function of the OrgData table. This field was removed years ago, but never added here, so older databases still had the field which would cause a problem in CAIRS Web with the archive database.  |
| 3/4/2021  | 21104 | Updated postman tests  |
| 3/4/2021  | 21104 | Cisco sync service no longer fails when a single record from the CAIRS to switch update fails.   |
| 3/5/2021  | 21104 | Removed DTO references and made database calls more generic  |
| 3/9/2021  | 21104 | Rewrote the Cisco Device Pool form in switches.  |

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| 3/9/2021  | 21104 | Added data rules for billing updates   |
| 3/9/2021  | 21104 | Fixed issue where if a process that's dependent on another process is running, other processes would be prevented from running   |
| 3/9/2021  | 21104 | New CES Service - Cisco Changes Only Switch Sync - this will NOT run a full sync. Cisco Switch Sync service will only run a full sync.   |
| 3/10/2021 | 21104 | Cleaned and combined data rule code.   |
| 3/10/2021 | 21104 | Dynamic Billing - Removed Calls tab from billing run record form. All billing detail is in the Charge tab.   |
| 3/12/2021 | 21104 | Added billing data rules for each configured item.   |
| 3/12/2021 | 21104 | Syncing single standard set record now syncs through CEDC. For Cisco it now forces the sync on the single record instead of only if it's in the changes set  |
| 3/15/2021 | 21104 | <ul style="list-style-type: none"> <li>Deleted the Circuit Connection Control and renamed the Cross Connect Control to Circuit Connectivity.</li> <li>Fixed an issue with the default column size when adding a new field in CAIRS web.</li> </ul> |
| 3/15/2021 | 21104 | Fixed bug in db updater where failures would persist through db update iterations... even when it was finally successful.  |
| 3/16/2021 | 21104 | Separated CAIRS to cisco and cisco to CAIRS syncs. Single Standard Set recs sync through CEDC, not through CES. CAIRS to cisco deletes updates and adds are now done through   |
| 3/17/2021 | 21104 | Updated and fixed issues with the billing data rules for segments and cellphones   |
| 3/18/2021 | 21104 | SwitchAPIConsole now serializes data from the cisco switch and saves to file... the beginnings of a cisco sync from file option.   |
| 3/18/2021 | 21104 | <ul style="list-style-type: none"> <li>Updated permission check code on server side for accessing reports.</li> <li>Added an endpoint to retrieve a single db schema item.</li> </ul>  |
| 3/19/2021 | 21104 | <ul style="list-style-type: none"> <li>Renamed a property for clarity.</li> <li>Added a LoadTableRelationshipList endpoint for the report builder. Updated Postman.</li> </ul>   |
| 3/19/2021 | 21104 | When a CES process runs from CEDC through the generic async code, it was not logging to failure properly, so if the UI was still monitoring, it continued to show the status as "In Process" even though the process had failed.                   |
| 3/22/2021 | 21104 | Save and New throughout CAIRS.net would not unlock the previous record before reloading the form for adding a new record.  |
| 3/23/2021 | 21104 | Imported CAIRS web reports now get checked for required fields.  |
| 3/23/2021 | 21104 | Removed CAIRS.net client side field validation for Cisco phone model & phone template  |
| 3/24/2021 | 21104 | Added logging to call repricing CES process to make it easier to understand the reason why a call does not get repriced. Each reason is only logged once.  |
| 3/25/2021 | 21200 | Removed the option to update a database using the old update method. Only the metadata update is available now.  |
| 3/31/2021 | 20111 | Avaya api calls now rely on the Switches > switch connection > security protocol setting when creating http request. (sandia testing maybe)  |
| 3/31/2021 | 21105 | Avaya api calls now rely on the Switches > switch connection > security protocol setting when creating http request.   |

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| 3/31/2021 | 21105 | -Building a cisco all phones data file in switchapiconsole no longer saved the raw query record to Complete record (data savings)<br>-switchapiconsole (v9.3) saved basic record list before complete record list<br>-Switchapiconsole (v9.4) also now saves records differently by saving/serializing single records first then serializing one file at the end<br>-Cisco sync now accounts for missing rawdataquery records, (gateways mostly) |
| 4/5/2021  | 21105 | Bug fix - switchguid now included when inserting missing device pools in Cisco switch  |
| 4/5/2021  | 21105 | Global Reporting - CAIRS.net client - Date / Time columns only showed hours and minutes for times. Now the system uses the Windows "long time" format, which should also include the seconds.  |
| 4/5/2021  | 21105 | Sync from file option is now available for Cisco. Minor improvements to switch api console all phone data dump action (v9.5)   |
| 4/6/2021  | 21105 | Removed Standard 911 file and changes. Integrating Standard 911 changes directly into existing 911 interface   |
| 4/6/2021  | 21105 | Increased default ciscophone.protocol field length   |
| 4/6/2021  | 21105 | Added metadata relationships for global reporting for the following fields in BillingPeriodImportedCharges: BillingFundedProgramGUID, CurrencyExchangeRateDetailGUID, CurrencyExchangeRateMainGUID, ExchangeRateTypeGUID, FundedAccountAssocGUID   |
| 4/6/2021  | 21105 | SP - Updated code that resolves the Windows user name to honor the config file setting, "UseAltUsername" which is used for debugging in IIS Express.   |
| 4/6/2021  | 21106 | Quick edit mode disabled by default switchapiconsole(v9.6)   |
| 4/7/2021  | 21106 | avaya api calls now handle a null security profile type in the CAIRS switch connection   |
| 4/7/2021  | 21200 | Added "Cleanup Old Logs" CES process. Currently, this process cleans up the Service Exception Log (General Error Log) and deletes records older than 1 year (up to 10,000 records).  |
| 4/8/2021  | 21106 | -Switch api console (v9.6):<br>-now logs on demand<br>-switch api console new action to run cisco sync from file- setting for file sync location<br>-More logging<br><br>-Optional logging to external application in switch instance base   |
| 4/8/2021  | 21106 | Standard 911 output integrated into 911 Interface  |
| 4/12/2021 | 21106 | version update on switchapiconsole now preventing duplication on cisco switch dump   |
| 4/13/2021 | 21106 | Fix in 911 interface SQL query relating to the Switch for CUCM StandardSets  |
| 4/13/2021 | 21106 | In vendor invoices, when trying to upload attached invoice files, if there are failed files, the message, "Please select a file to import" was incorrect and confusing. Replaced this message with "There are no files that are ready to import. Please roll back any failed imports, and attach any additional files if needed."  |
| 4/13/2021 | 21106 | -better caching when syncing cisco from file<br>-small bug fixes related to specific type of cisco records   |

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| 4/13/2021 | 21200 | 911 API refined to allow optional number/site/switch filters. Number search will return one record. Site/Switch or no filters may return multiple records.  |
| 4/13/2021 | 21200 | (merge from 211XX)<br>-better caching when syncing cisco from file<br>-small bug fixes related to specific type of cisco records  |
| 4/19/2021 | 21200 | Changed the Code field in the UCE_DialCodes table to default to 8 characters instead of 6.  |
| 4/23/2021 | 21106 | CEDC was using wrong setting to check if technical error details should be hidden.  |
| 4/28/2021 | 21200 | Converted file attachments and notes to the CAIRS web format. Added the ability to save attachments to notes.   |
| 4/30/2021 | 21106 | Fixed issue with order by for 911 Query. User also able to define FunctionCode now. For creating an initial file of all records with a "C" to update records. For updating all data through ALLison for VESTA.  |
| 4/30/2021 | 21106 | Fixed conversion for CrossConnects. Really old DBs that do not have Include_In_911 field will now skip repair   |
| 5/4/2021  | 21107 | -switchapiconsole issues with not showing all actions<br>-Small Cisco sync bug vendor config sync was triggered by the extension mobility checkbox, (not the product config switch checkbox)  |
| 5/6/2021  | 21200 | Added connectivity diagram to network devices. Changed the diagram to be interactive by allowing users to click on ports, which highlights the related connections and associated ports.  |
| 5/11/2021 | 21107 | Multiple changes: Standard Set now refreshes after sync is complete. In Global Report builder, display and sort can now be reordered with drag and drop. In the menu, Standard Directory is now first in its group. The pending changes sync form no longer shows the change details right away, but instead shows a link to allow users to see the changes if desired, which makes that form easier to understand. |
| 5/12/2021 | 21200 | CAIRS.net menu system. For menus that support global reports, the system will remember if a global report was last loaded and will initially load that report instead of the default view for that menu.  |
| 5/14/2021 | 21200 | tables for Avaya implementation in Standard Sets/Directory  |
| 5/18/2021 | 21108 | Floor field in CAIRS crossconnect is a string, should never of tried to convert to int. Caused error for CEDC API phone location update   |
| 5/18/2021 | 21200 | Avaya standard set sync stubs. Avaya basic switch file parser. Slight code restructure, (renames/moves) to aid in Avaya standard sets implementation  |
| 5/19/2021 | 21108 | Fixed bug when saving cisco records with no button templates (ie gateway analogs). Server side no longer looks for phone button template when saving. Also, accounts for resizing btn array based on this fact.   |
| 5/19/2021 | 21200 | Fixed: After a subscriber gets saved, if the Authorized or Disabled fields were originally null, the user would get a 'System.InvalidCastException: Conversion from type 'DBNull' to type 'Boolean' is not valid.' error. This would prevent the system from sending a new portal registration email to the subscriber, but the record would actually still save successfully.                                      |
| 5/20/2021 | 21109 | CEDC Phone Location Update API. Cleaned up successful location update logging messages.   |

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| 5/21/2021 | 21109 | Auto generate new building when running Update Phone Location API   |
| 5/21/2021 | 21109 | Fixed issue where cisco sip profile was being blanked out when updating a set.  |
| 5/26/2021 | 21109 | fixed issue where cisco syncs would fail if there was a discrepancy in a table sync   |
| 6/3/2021  | 21109 | 911 Bug with non -defined custom Function Code causing I or C to not appear.  |
| 6/7/2021  | 21109 | Valid AF email with number at beginning of string would be incorrectly invalid  |
| 6/22/2021 | 21110 | Users Limited by Site get ambiguous field error when trying to load Ports in a Switch record.   |
| 6/23/2021 | 21110 | Added 5 custom date fields to Customer Code.  |
| 6/24/2021 | 21110 | Added 5 custom date fields to Subscriber.   |
| 7/13/2021 | 21111 | Once maximum session count is reached, previous sessions will now continue to work. Refined the error message at system startup when too many sessions are open. Also, any timers running from the menu, such as Instant Messenger, count orders and count troubles, don't run if the user does not have permission to perform those related actions. |
| 7/16/2021 | 21202 | CAIRS.net now remembers the size, position, and visibility of columns in a global report.   |
| 7/16/2021 | 21202 | Replaced Standard Set Import Project with Bulk Import Project. Bulk imports completed for Cell Phone and Hardware. Existing records can now be updated through the bulk update process. Import data from files can be deleted by deleting the related import file from the bulk project. Matching import data is combined when imported.              |
| 7/19/2021 | 21203 | Global Report Column Customization - Updated metadata cache when resizing fields so CAIRS.net will correctly remember column widths when resizing, hiding, or showing columns in a global report. (further updates were needed to the feature in 21202 build to manage caching).  |
| 7/20/2021 | 21203 | Global Report Server Cache fix - Was not caching saved reports to server, which was causing any changes to report to disappear when navigating away and back to the related menu.   |
| 7/20/2021 | 21203 | Standard Set Sync - Fixed sync option to include update both CAIRS and switch when the changes are all set as ready to sync. This was previously only allowing an overwrite CAIRS data option.  |
| 7/21/2021 | 21203 | Standard Sets - Cisco - Fixed update existing phone in CAIRS to Switch sync.  |
| 7/26/2021 | 21204 | fixed bug in pre-update repair - CustomerCodeBilledAssignmentAssoc - to build table if not exists before running repair.  |
|           | 21103 | Standard Sets - If any changes need to be synced, and updates from CAIRS to the switch are enabled in the system, then the sync form shows on Save.   |
|           | 21111 | Fixed bug in SL100/cs2100 parser where LTIDs with longer than usual names were being stripped.  |
|           | 21111 | -Fixed issue in cisco switch sync where single synced records were being marked as removed.<br>-Fixed Cisco sync pending changes WPF text to not overlap button text  |

20111/20116

Removed CAIRS.net client field validation for Cisco phone template and phone model