eRAD RIS

Customer Release Notes

Hotfix Build 3.2018.5.6

Updated December 2, 2020

Table of Contents

Publication History

Revision	Author	Description
December 2, 2020	Kevin Brooks / Hilary Saltmarsh	Commercial release.

SUMMARY

Intended Audience

The intended audience for this CUSTOMER RELEASE NOTES document is the RIS Administration team for all eRAD RIS customers.

This document contains information on the purpose, configuration, and operation of new features made available with this release, identifies issues resolved in the release, and highlights any unresolved known limitations.

Pleased carefully review these release notes even if your site will not be upgraded immediately, to identify and communicate any issues that may affect your site.

Additional technical details and deploy instructions may be available to the Service Team in the SERVICE RELEASE NOTES edition of this document.

Who Is Affected

This version contains new features and resolved defects that are recommended to be applied on 2018.5.5 installs.

NEW SETTINGS

System Configuration Settings

The following settings were added or updated:

Setting	Default	Purpose
AccountDisabledMessage	Value=String, Default=[Account disabled. Please contact your administrator.]	Message to display to users who have had their accounts disabled. Updated in v2018.5.6 #27176
AlwaysShowSupervisingRadOnSummaryPanel	Value=Boolean, Default=[False]	When True, Supervising Radiologist will always display in the Summary panel in the reporting screens. Value is editable via context menu. Added in v2018.5.6 #26380
ICDSearchMode	Value=String [Description|Keyword|Both], Default=[Both]	Controls if ICD search will return results based on a search of the text of Indication, Keywords, or both. Added in v2018.5.6 #28267
PersonNameInWLCacheTimeToLiveMinutes	Value=Minutes as Integer [Min=5], Default=[1440]	Number of minutes to refresh the server side cache for person_keys to descriptions. Added in v2018.5.6 #27971
PersonNameInWLFormat	Value=String [My include any field on the l_person table, plus user_id], Default=[{last_name}, {first_name}{ middle_name}{, name_suffix_code}{ (user_id)}]	The string format for displaying person names in materialized worklists. Added in v2018.5.6 #27971
PortalAllowedPasswordFailAttempts	Value=Integer, Set to [≤ 0] to disable, Default=[5]	Number of consecutive verification attempts permitted before locking a Referring, Referring Admin, UM, or UM Admin account. When disabled, a user will never be locked out. Added in v2018.5.6 #22336
PPAdminAllowedPasswordFailAttempts	Value=Integer, Set to [≤ 0] to disable, Default=[5]	Number of consecutive verification attempts permitted before locking a Patient Portal Admin (not User) account. When disabled, a user will never be locked out. Updated in v2018.5.6 #27176

Setting	Default	Purpose
PPCCDAReporttHoldBackMessage	Value=String, Default=[This CCDA report is currently unavailable on the portal. This section of the report will be available when the report is released.]	Message displayed on the Patient Portal when a CCDA report is not available to display due to the hold back period. Added in v2018.5.6 #27412
PPProcedurePickerDefault	Value=String, Default=[PP-Default]	Default Procedure Picker for the site (or site group if overridden). Added in v2018.5.6 #27200
RADARQuickMessageTextLimit	Value=Characters as Integer, Default=[1573]	Maximum character limit for RADAR Quick Message text. Added in v2018.5.6 #27477
RPProcedurePickerDefault	Value=String, Default=[RP-Default]	Default Procedure Picker for the site (or site group if overridden). Added in v2018.5.6 #27200
WLIndexDeltaInactiveRowOptimizationStrategy	Value=Boolean, Default=[True]	When [True], worklist DB queries return [Null] for non essential columns when the WL row is inactive (i.e. no longer part of the WL). Updated in v2018.5.6 #25184
WLMaxDaysToCache	Value=Days as Integer, Default=[7]	Number of days on a dated worklist that will remain cached on the client. Added in v2018.5.6 #27951
WLRestrictDBQueryMAXDOP	Value=Boolean, Default=[True]	When [True], worklist DB queries are restricted to 1 degree of parallelism (MAXDOP 1). When [False], the SQL Server will determine the degree of parallelism for these queries. Updated in v2018.5.6 #25184

The following settings were removed:

Setting	Default	Purpose
ChairSelectionReport Detailed chair report feature was removed per #21765	n/a	(value = String) Used for chair workflow. Determines which report should be used to summarize the work outstanding for each chair.

Access Strings

The following settings were added or updated:

Setting	Default	Purpose
Clinical.CacheStudy	Value=[None|Full], Default=[None]	Controls access to the "Remove From Cache" context menu to manually add a study to the cache. When [Disabled], context menu item is disabled. When [None], item is hidden. Updated in v2018.5.6 #22725
Clinical.CancelOrder	Value=[None|Full], Default=[Full]	Controls access to the "Cancel Order" context menu. When [Disabled], context menu item is disabled. When [None], item is hidden. Added in v2018.5.6 #22725

Setting	Default	Purpose
Clinical.CreateTechnicalRepeat	Value=[None|Full], Default=[Full]	Controls access to the "Technical Repeat" context menu. When [Disabled], context menu item is disabled. When [None], item is hidden. Added in v2018.5.6 #22725
Clinical.CTRMNotification	Value=[None|Full], Default=[None]	Controls access to the "CTRM Notifications" context menu When [Full], context menu item is enabled, otherwise item is hidden. Updated in v2018.5.6 #22725
Clinical.DDEPreviewJobAction	Value=[None|Full], Default=[Full]	Controls access to the "Document Distribution Preview" context menu. When [Disabled], context menu item is disabled. When [None], item is hidden. Added in v2018.5.6 #22725
Clinical.DDHistoryByStudy	Value=[None|Full], Default=[Full]	Controls access to the "Distribution History" context menu. When [Disabled] or [None], context menu item is hidden. Added in v2018.5.6 #22725
Clinical.DigitalForms.FormSelection	Value=[None|Full], Default=[None]	Controls the ability to select the digital form displayed when multiple studies use an identical digital form. Updated in v2018.5.6 #28187
Clinical.FindingFollowUp	Value=[None|Full], Default=[Full]	Controls access to the "Finding Followup" button and context menu. When [Disabled], context menu item is disabled. When [None], item is hidden. Added in v2018.5.6 #22725
Clinical.PacsRemoveCachedStudy	Value=[None|Full], Default=[Full]	Controls access to the "Remove From Cache" context menu. When [Disabled], context menu item is disabled. When [None], item is hidden. Added in v2018.5.6 #22725
Clinical.PacsViewImages	Value=[None|Disabled|ReadOnly|Full], Default=[Full]	Controls access to the "PACS View Images" context menu. When [Disabled], context menu item is disabled. When [None], item is hidden. Added in v2018.5.6 #22725
Clinical.PrintForms	Value=[None|Full], Default=[Full]	Controls access to the "Print Forms" context menu. When [Disabled], context menu item is disabled. When [None], item is hidden. Added in v2018.5.6 #22725
Clinical.ReportingPeerReviewQa	Value=[None|Full], Default=[Full]	Controls access to the "Peer Review" button and context menu. When [Disabled], button is disabled and menu item is hidden. When [None], both are hidden. Added in v2018.5.6 #22725
Config.LookupEditor.ChangeLogControl	Value=[None|Full], Default=[None]	Controls access to the "ChangeLog" lookup table editor. Added in v2018.5.6 #9141
Config.LookupEditor.ManagementReportMaxTimes	Value=[None|Full], Default=[None]	Controls access to the "Management Report Max Time" lookup table (l_management_report_max_time).
Config.LookupEditor.MultiInsuranceRule	Value=[None|Full], Default=[None]	Controls access to the "MultiInsuranceRule" lookup table editor. Added in v2018.5.6 #28108
Config.LookupEditor.WorklistDisabled	Value=[None|Full], Default=[None]	Controls access to the "WorklistDisabled" lookup table editor. Added in v2018.5.6 #27969
portal.referring.downloads	Value=[None|Full], Default=[Full]	Controls access to the "Downloads" button in the Referring Portal.
UserPreference.Theme.LocalizationHelpers	Value=[None|Full], Default=[None]	Controls the ability to enable Localization Helpers in User Preferences.
WL.PatientFolder	Value=[None|Full], Default=[Full]	Controls access to the "Patient Folder worklist" context menu When [Full], context menu item is enabled, otherwise item is hidden. Updated in v2018.5.6 #22725

Setting	Default	Purpose
WorklistViews.OvernightMode	Value=[None|Full], Default=[None]	Controls access to the "Overnight Mode" button from date-based worklists. Allows the user to toggle worklist filtering between day mode (midnight to midnight) and night mode (current day noon to next day noon). Requires WL_UseMaterializedWorklistPattern. Updated in #26289

ApplicationSettings.config Settings

The following Patient and Provider Portal settings have been updated:

The following settings are not present by default, but may be manually added to the `applicationsettings.config` file.

Setting	Purpose
webPACSSessionElementXPathExpression	Allows the login SOAP request to change the session value from "//ns2:Session" to "//ns2:Context/ns2:Session" to allow if the session value is changed to a different context. Added in v2018.5.6 #27994
WebPACSUseAlternateURL	Allows the portal to fall back to the old mirth communication for V8 PACS. Added in v2018.5.6 #27994

NEW FEATURES

Insurance Eligibility

Feature #27737 - Option to send place of service and tax values with Eligibility request

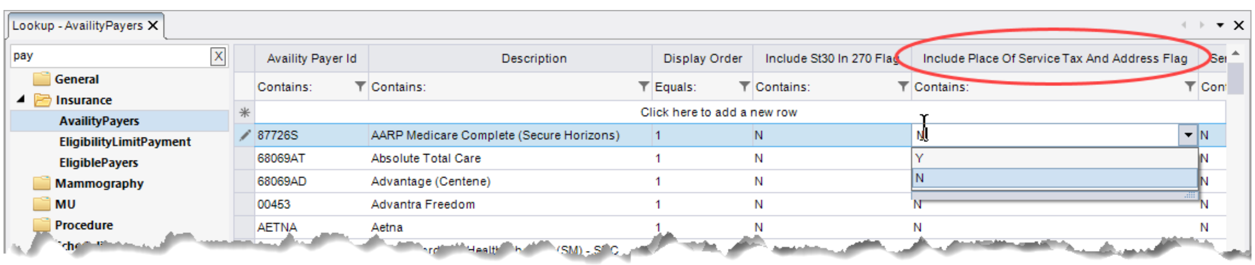
Summary

This enhancement to Insurance Eligibility introduces the option to transmit place of service and tax values in accordance with the 270/271 specification.

Previously, these values were not sent, resulting in failures from some payor returns.

With this change, a new `Include Place Of Service Tax And Address` column has been added to the `EligibilePayers` and `AvailityPayers` RIS Lookup Table Editors which, when `Y` will transmit the following site-level information (or practice level if address information info isn't available at the site level):

- provider_street_line_1
- provider_street_line_2
- provider_city
- provider_state
- provider_zip
- service_provider_tax_id



Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to other RIS Access Tables

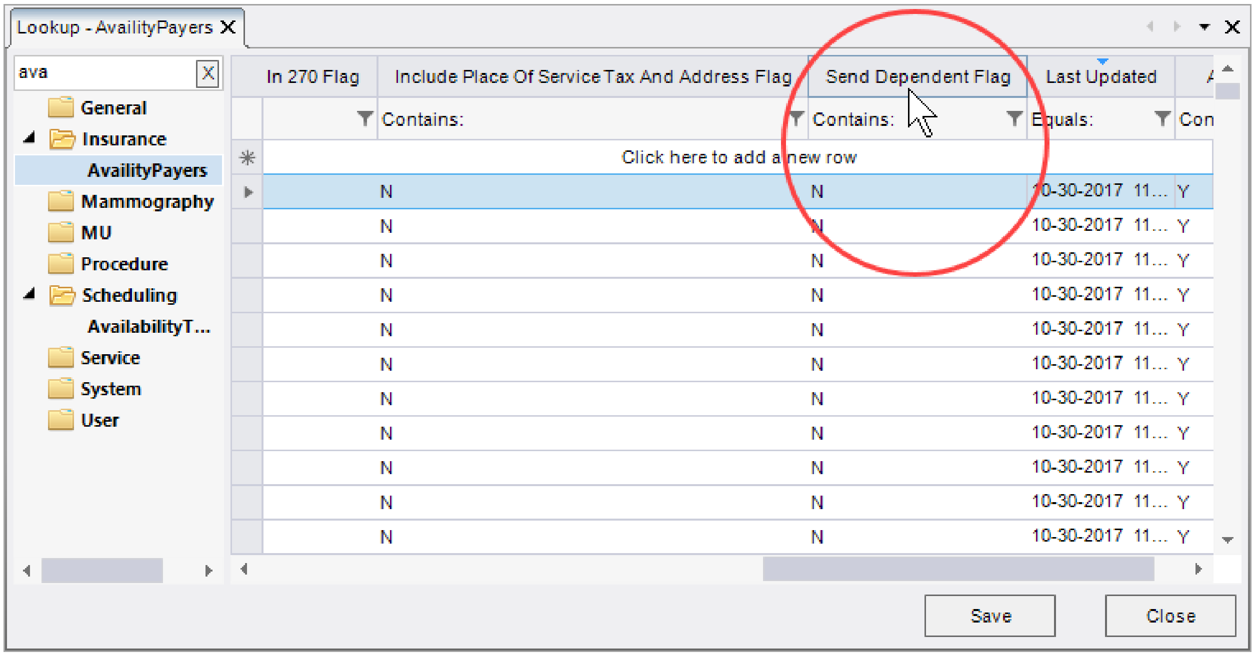
- Update the `Include Place Of Service Tax And Address` column in the `EligibilePayers` and `AvailityPayers` RIS Lookup Table Editors for your organization.

Feature #28020 - New Dependent Flag for processing RTE HL4 segment for Medicare

Summary

This enhancement to Insurance Eligibility introduces a `Send Dependent Flag`, column in the `AvailityPayers` lookup which when set to `N` will always submit as though the patient is the policy holder.

Previously, HL4 dependent loop submissions to Availity for Medicare members on our Real Time Eligibility Requests resulted in 999 errors from Medicare, causing rejections on Availity's end.



Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to other RIS Access Tables

- Update the `Send Dependent Flag`, column in the `AvailityPayers` RIS Lookup Table for the payers at your organization.

Feature #26761 - New Insurance Warning based on the presence of a secondary insurance policy

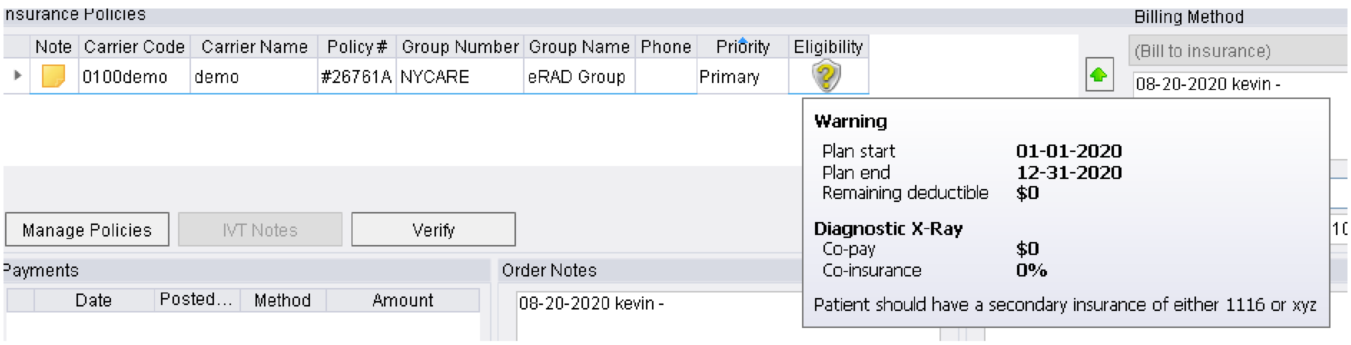
Summary

This enhancement to Insurance Eligibility creates a warning based on the presence of a secondary insurance policy.

Currently, if a warning is created on the primary insurance, the user would have to override it after adding the secondary insurance. This is time consuming and confusing to the user.

With this change, if the 271 data from the primary insurance policy contains an additional insurance policy or the word “dual,” a warning will appear on the primary insurance. To resolve the warning, the user must enter the appropriate secondary insurance policy. The warning would then be resolved and turn to a green check once the secondary policy is added.

In the following example, RIS issues a warning when the user has a primary insurance, but the secondary isn't carrier code 1116 or xyz and the primary insurance has DUAL in the plan name or additional insurance policies:



Insurance Management

Feature #28108 – Support for multi-carrier Amount to Collect rules

Summary

This enhancement introduces support to configure how payments should be calculated in a multi carrier situation where specific combinations of primary and secondary carriers are selected.

Currently, only the primary insurance's co-pay/co-insurance/deductible is used for calculating Amount to Collect and only when there is one insurance. In cases where there are multiple insurances, RIS will only consider the co-pay of the primary insurance when calculating the Amount to Collect. There is an opportunity to collect more at the time of service when rules for the combination of primary and secondary insurance can be configured.

With this change, the `MultiInsuranceRule` RIS Lookup Table Editor can be used to specify situations where the primary insurance and/or secondary insurance should also be used for collecting various components that make up the Amount to Collect.

- MultiInsuranceRule

Carrier	Use Co Pay Flag	Use Co Ins Flag	Use Deductible Flag
◢ 0100demo - demo	N	Y	Y
0100Kern1 - Kern 1	Y	N	N
0100test - testb	Y	N	N
◢ 0100demo - demo	Y	Y	Y
Any Carrier	N	N	N
◢ Any Carrier	N	N	N
0100demo - demo	Y	Y	Y
◢ Any Carrier	Y	N	N
Any Carrier	N	N	N

Feature Description

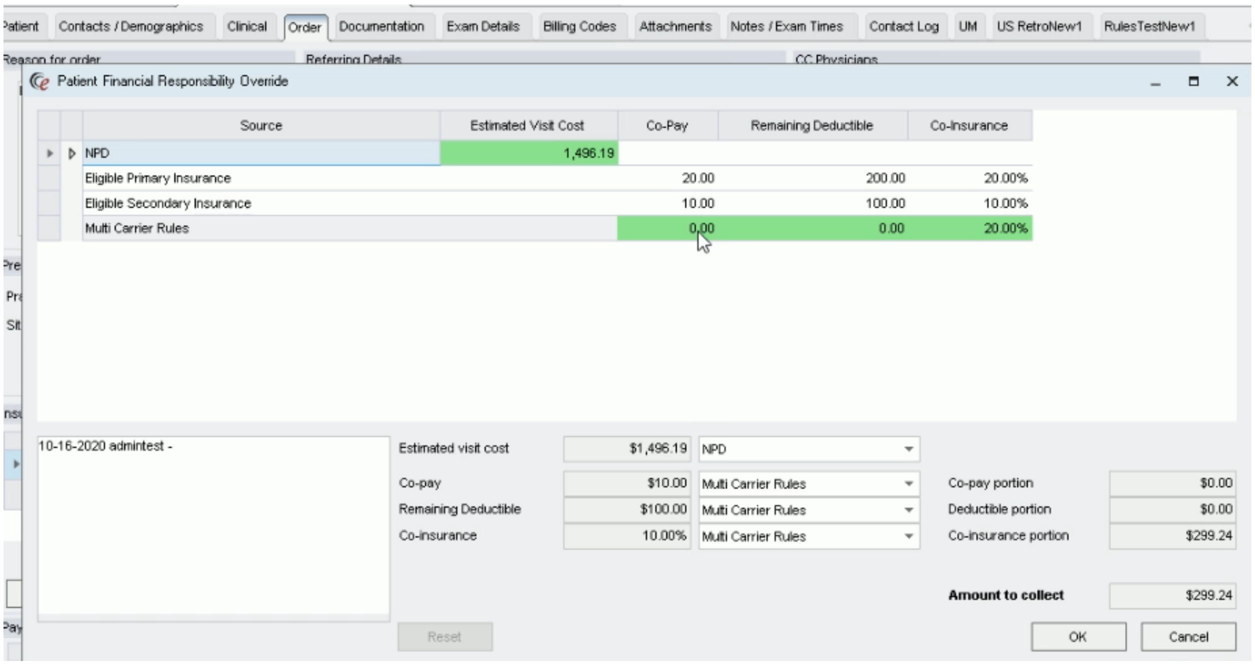
When configuring primary and secondary carriers via the `MultiInsuranceRule` RIS Lookup Table Editor:

- If a carrier is described in the primary table and “Any Carrier” is selected for the secondary insurance, then that rule applies when the carrier is chosen as a primary with any secondary insurance.
- If the primary insurance is configured as “Any Carrier”, then the secondary rule that is related to that entry applies if that carrier is selected as secondary regardless of the primary insurance.
- If multiple rules apply to a given scenario, the most specific rule will be used first. If there are no specific matches, the logic will look for an “Any Carrier” rule.
- When the Allow Collection of Multiple CoPays Flag is set to 'Y' and both primary and secondary are configured to collect co-pay, RIS will collect the sum of the applicable co-pays instead of just one of the co-pays. Note that if this is set to ‘N’ and the primary and secondary rule have 'Y' to collect co-pay, the primary's co_pay will be preferred when it exists and when the primary doesn't have a co-pay, the secondary’s co-pay will be used. In order to get the SUM of both co-pays, administrators will need to configure the use_co_pay_flag to 'Y' for both the primary and secondary and also configure allow_collection_of_multiple_co_pays_flag to 'Y'.

Be cautious when configuring to avoid these situations:

- Avoid configuration that would collect both the co-insurance on the primary and the co-insurance on the secondary. However, if this were to occur, RIS would collect the max_co_ins amount.
- Avoid configuration that would collect both the deductible on the primary and the co-insurance on the secondary. However, if this were to occur, RIS would collect the maximum.

In the following Patient Financial Responsibility Override dialog, note the Amount to Collect Details and how the "Multi Carrier Rules" source is selected when there are multiple carriers:



Also note that there are now rows showing the eligibility return values for both Primary and Secondary insurance.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

Changes to RIS Access String Settings

- Grant `Config.LookupEditor.MultiInsuranceRule` permissions as necessary.

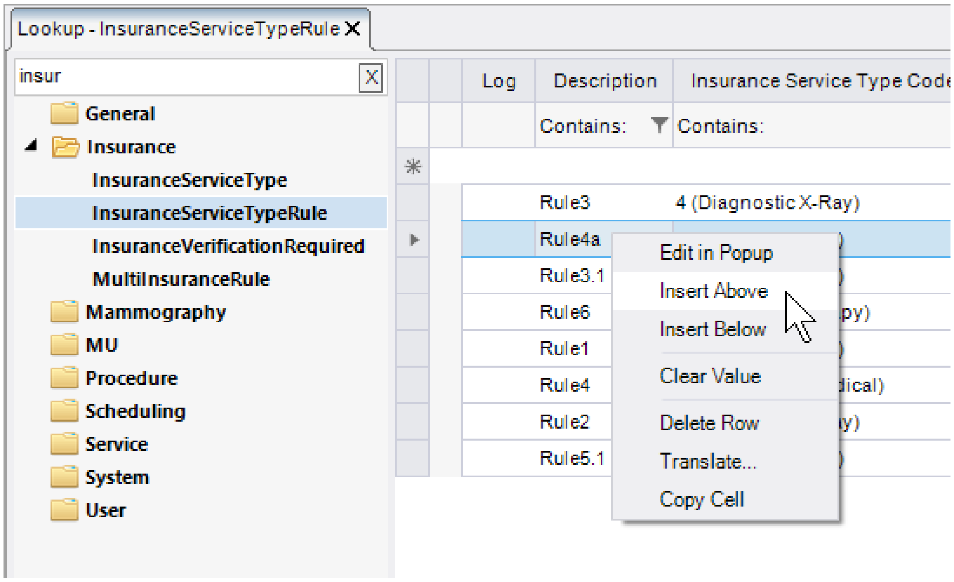
The following related settings were added or updated:

Setting	Default	Purpose
Config.LookupEditor.MultiInsuranceRule	Value=[None|Full], Default=[None]	Controls access to the "MultiInsuranceRule" lookup table editor. Added in v2018.5.6 #28108

Feature #27832 - New Insert Above and Below options when editing Insurance Service Type Rules

Summary

This enhancement to the `InsuranceServiceTypeRule` RIS Lookup Table Editor introduces a new right-click option to directly insert a new row at a specific location without having to manually adjust the `Display Order` column values to position the new rule in the correct sequence.



Configuration Instructions

No System Administrator actions are necessary to enable this feature.

Contact Log

Feature #27910 - Contact Log Segregation

Summary

This enhancement to the RIS Contact Log introduces the ability to configure individual screens and worklists that use the contact log to restrict the contact types displayed to only relevant types.

With this change only the follow-up types configured for a screen or worklist are available and displayed. A `Show All` checkbox is available to display all contact log entries.

Background

Previously, the list of available contact types was configurable from the `FollowUpType` RIS Lookup Table Editor, but offered no configuration options, so all entries in the contact log would appear on all RIS screens that included a Contact Log tab.

While the `FollowUpType` RIS Lookup Table was initially the only configuration option for Contact Log entries, the `ContactLogMethod` RIS Lookup Table was created to manage some specific workflows that needed to be separated (currently, Critical Results and Clinical Tasks).

Currently, all worklists using FollowUpType will lump all of the contacts together across worklists, while worklists using ContactLogMethod completely segregate contacts to a single worklist.

This becomes an issue when implementing multiple workflows in RIS that revolve around the most recent entry in the Contact Log. When an unfiltered Contact Log is shared across multiple different worklists that have their own workflows, not only will users see an inordinately long list of entries, but the concurrent workflows may confuse Follow Up Types that appear to be in conflict with each other.

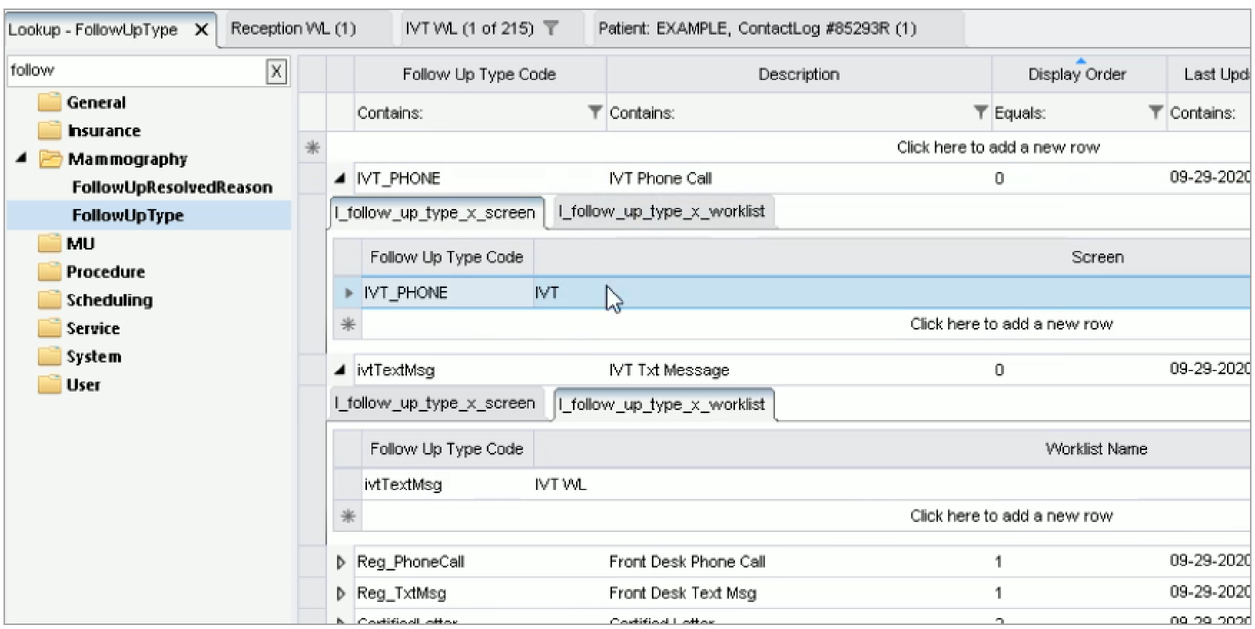
For example, a patient might be on the Orders To Schedule WL and the IVT WL at the same time. On the IVT WL, the IVT team may be trying to reach the referring physician or insurance company related to the authorization. So they may be entering contacts like: "Chart Notes Requested 1," "Chart Notes Requested 2" or "Submitted for PreCert." And on the OTS WL, a different team may be entering contacts like: "Called Patient - 1st Attempt," "Called Patient - 2nd Attempt," etc. Each of those workflows may involve a progressive set of contact steps and Custom Views that are built on staff worklists to group the steps accordingly. So when the workflows cross paths, it can throw off the workflow for both teams.

As an example, a user working the BI-RADS 4/5 WL that has custom views set up to show the 5 possible stages for biopsy scheduling / pathology results follow-up will be impeded when another user adds a Contact Log entry from the IVT WL with a Next FollowUp Type of "Contact Insurance Company." This is a problem because the row is not going to be visible on the correct custom view for the BI-RADS 4/5 WL.

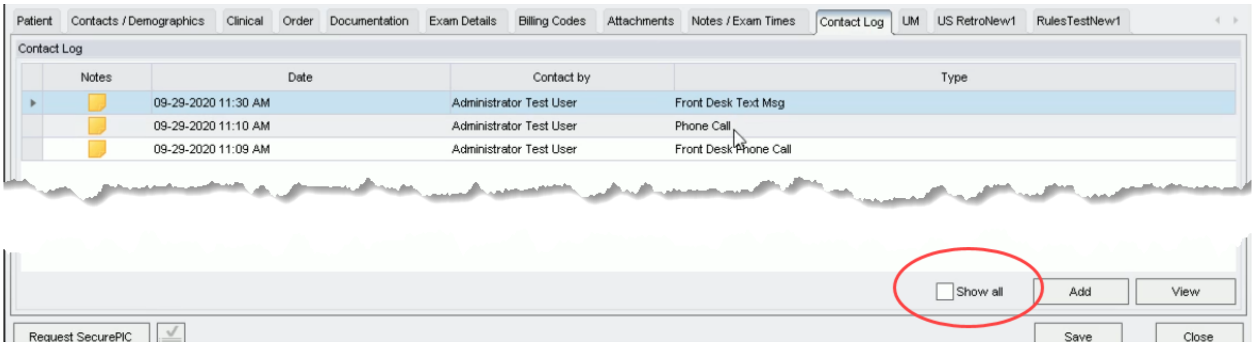
There are some occasions when it is necessary for Contact Log entries to be shared across multiple worklists because certain workflows for one process may be dependent upon another process's progress/completion. For this reason, moving the FollowUpType configuration into the ContactLogMethod structure was not desirable because it would not allow the flexibility of choosing when contact entries should be segregated to a particular workflow or whether it should be incorporated into multiple specified workflows.

Feature Description

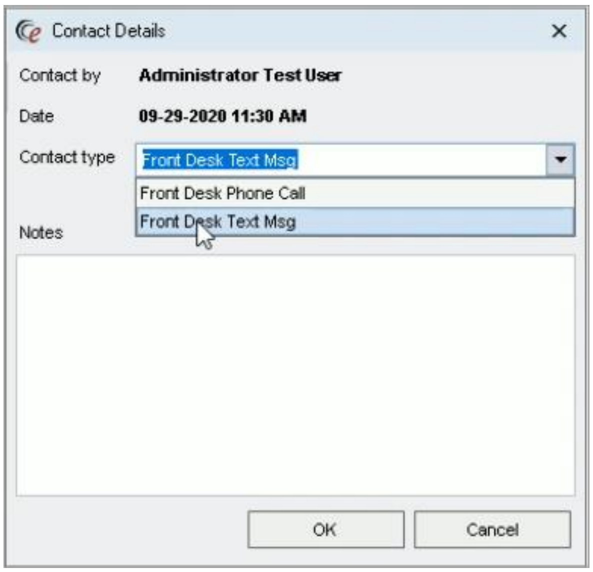
With this change, details of the screens and worklists that relevant to each follow up type are configured from the updated `FollowUpType` RIS Lookup Table Editor.



When configured, the `Contact Log` tab for a patient will now be filtered by default to display only those contact types configured for the screen. Checking the `Show all` checkbox on the screen allows viewing of all contact activity for the patient.



When adding a contact log entry, only the contact types configured for the screen are displayed.



It is possible to configure the same contact type to be available on multiple screens.

Additional Notes

When no specific contact type restriction rules are configured, all options will display.

The same filters apply to the "Next Follow Up Type" dropdown.

Worklist Impact

The worklist columns related to Last Contact (e.g. Last Contact [Date] and Last Contact Type) will be populated with the data for the most recent contact log entry that is configured for the worklist. If a particular FollowUpType is configured to display on the Orders To Schedule WL *and* the IVT WL, it will be displayed in both places regardless of whether it originated from the IVT screen or the Schedule Order screen.

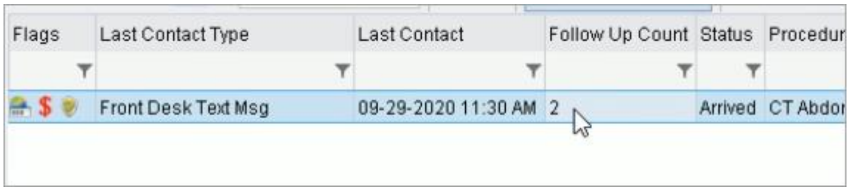
If it is desirable to have the same FollowUpType used in multiple workflows but segregated from each other, it is possible to configure them as distinct FollowUpTypes. For example, the following FollowUpTypes could be created and assigned to different worklists:

- Patient Phone Call – 1st Attempt
  - Orders To Schedule WL
- MA Patient Phone Call – 1st Attempt
  - ACR Cat. 0 Follow-Up WL

  - ACR Cat. 4/5 Follow-Up WL
  - Mammo Follow Up Orders WL

Note that the wording of the description was changed slightly to distinguish between the intended workflows.

The Last Contact `Follow Up Count` column on worklists will only include the contact types that have been configured for that worklist when displaying counts.



> *Note that these counts are re-calculated when saving, so if changes are made, previous values will be displayed until refreshed via a nightly job.*

Next Follow Up columns remain distinct per worklist, as before.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to FollowUpType RIS Lookup Table Settings

- From the `FollowUpType` RIS Lookup Table Editor, configure the relevant settings for each Follow Up Type Code:
  - Add each Screen from which the code may be added by the user.
  - Add each Worklist where the code should be eligible for display.

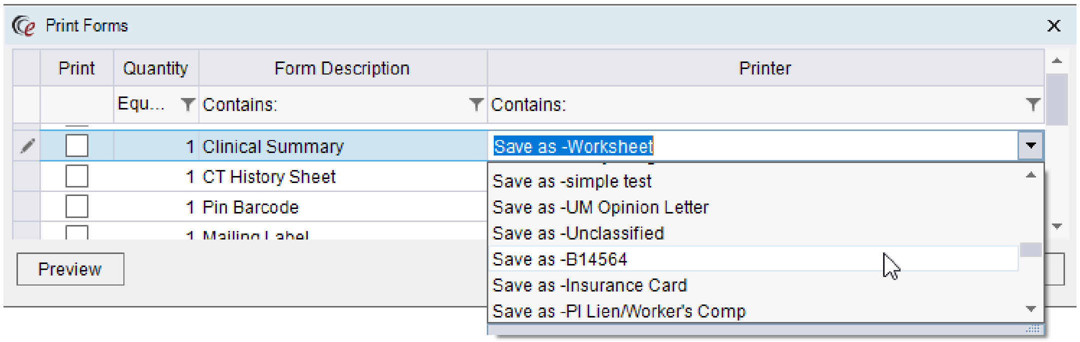
> *If modifying an existing FollowUpType that was previously used for multiple workflows and will now be used for a specified workflow only, it may be beneficial to deactivate the existing FollowUpType and create two new FollowUpTypes for the two specific workflows. This will ensure that any historical entries will be visible in both places until they are phased out for new contacts.*

Digital Forms

Feature #27807 – Ability to automatically save a Digital Form as an attachment

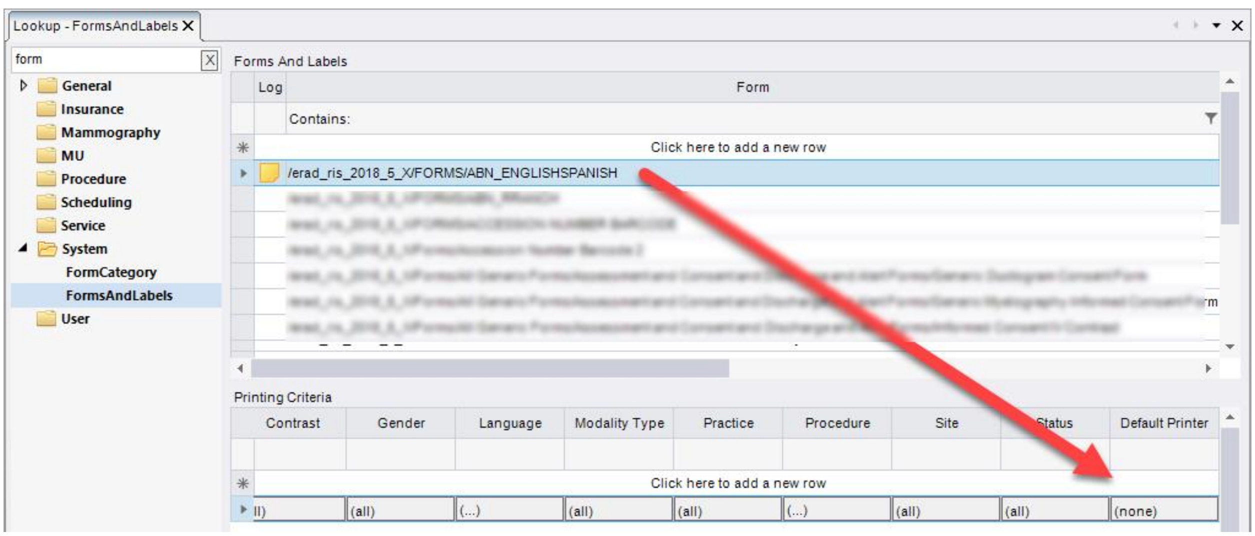
Summary

This enhancement to Digital Forms introduces the ability to configure a form to automatically save to the specified attachment type.

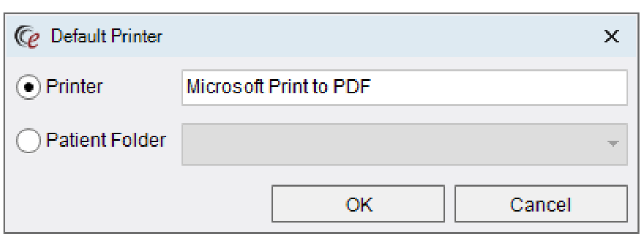


Previously, forms could be configured to automatically print based on printing criteria or forms could be configured to save to an attachment type, but having the form-save to the specified attachment type required manual configuration on each workstation.

With this change, a new `Default Printer` column has been added to the `FormsAndLabels` RIS Lookup Table Editor. Clicking the cell will display the `Default Printer` dialog that is used to set a default destination for a particular form whenever criteria is met.



The dialog allows the user to set either a scan type to save the form directly to the patient folder as an attachment, or to specify the name of a printer that will be used as a default.



Previously, the print forms dialog would remember the previous selection for a given form, or simply default to the workstation's default printer. With the introduction of this feature, if there is no previous selection, RIS will use the destination configured in the FormsAndLabels lookup instead.

A "printer" default will only apply if there is an exact match by name on the user's machine (e.g. "HP LaserJet 1").

A "scan type" default requires that the user has `Clinical.FormsAndLabels.AllowSaveAsAttachment` *permissions.*

If a form has multiple matching rules with conflicting defaults, the first is used.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to other RIS Access Tables

- Update the `Default Printer` column in the `FormsAndLabels` RIS Lookup Table for the forms at your organization.

Changes to RIS Access String Settings

- A "scan type" default requires that the user has `Clinical.FormsAndLabels.AllowSaveAsAttachment` permissions.

Feature #27804 – Support for additional date formats on Digital Forms

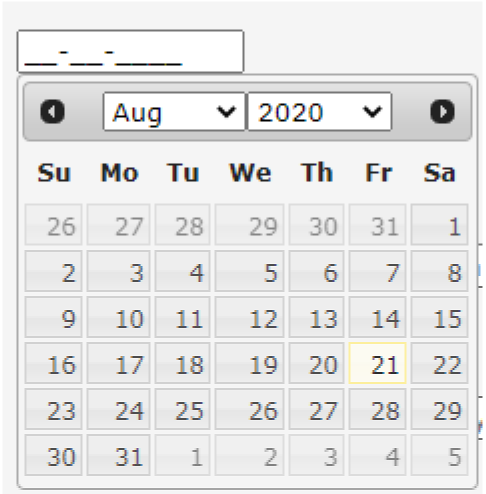
Summary

This enhancement to Digital Forms adds support for entering dates in year-only or month+year only format. These options can be useful in situations where a patient may not know the exact date of a prior medical procedure.

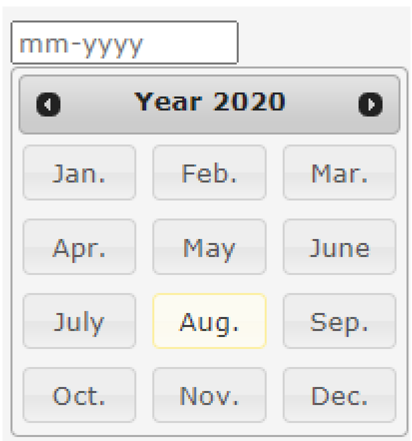
Previously, digital form date controls only supported traditional date formats that included day+month+year. Entering dates in other formats could only be accomplished by manually populating a dropdown or by creating multiple separate textboxes.

With this change, the date picker controls can be configured for several formats:

They continue to support Full Date format:



Month and Year format allows entering month and year only, without needing to choose day:

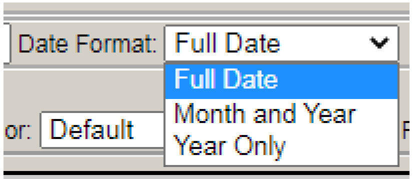


Year Only format allows choosing year only, without month or day:

Configuration Instructions

No System Administrator actions are necessary to enable this feature.

The date input format is chosen in the digital forms editor when a date field is selected:



Radiology Reporting

Feature #26380 - New option to always display Supervising Radiologist label summary panels

Summary

This enhancement to Radiology Reporting introduces an option to always display the Supervising Radiologist label in Reporting Screens' Summary panel.

Previously, this label was suppressed when it had no value.

With this change, setting the new RIS System Configuration `AlwaysShowSupervisingRadOnSummaryPanel` to `True` will always display the Supervising Radiologist label, allowing its value to be modified from the panel via an "Edit" context menu option, even when blank.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to RIS System Configuration Settings

- Configure `AlwaysShowSupervisingRadOnSummaryPanel` for your organization.

The following related settings were added or updated:

Setting	Default	Purpose
AlwaysShowSupervisingRadOnSummaryPanel	Value=Boolean, Default=[False]	When True, Supervising Radiologist will always display in the Summary panel in the reporting screens. Value is editable via context menu. Added in v2018.5.6 #26380

Validation Rules

Feature #26566 - Enhanced Validation Rules support for Eligibility response

Summary

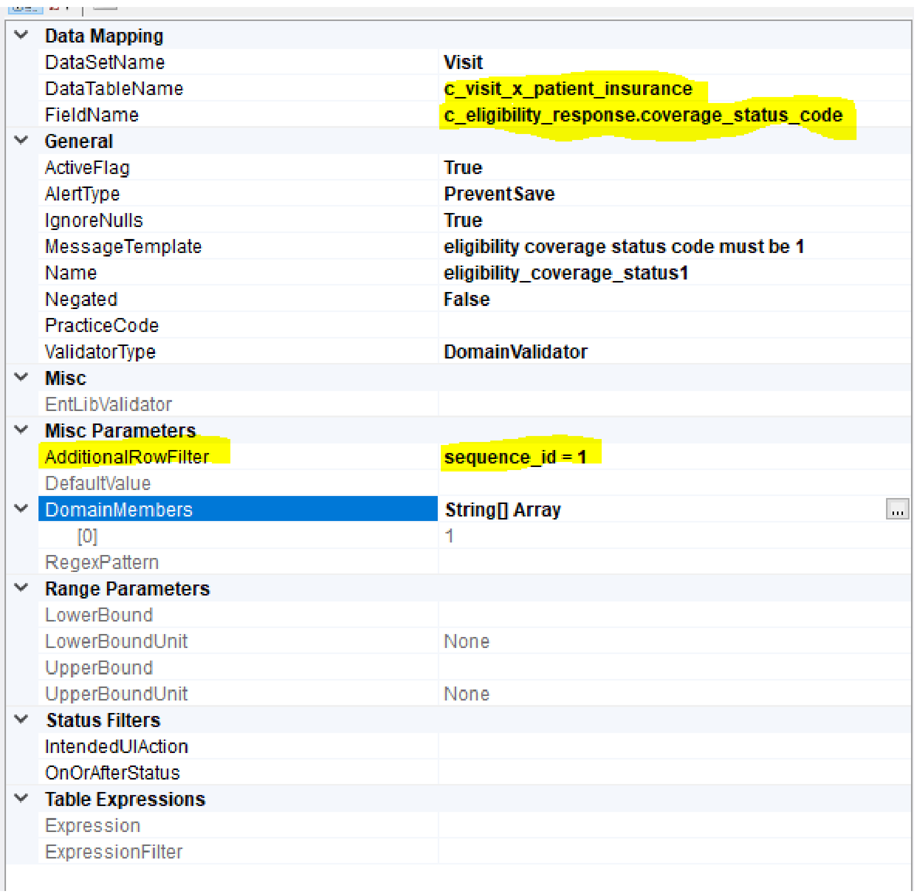
This enhancement to Validation Rules adds support to trigger a validation based on the notes section on the carrier table or on the raw_results returned in the c_eligibility_response table.

Previously, the carrier notes field was accessible to the validation rules framework by selecting c_visit_x_patient_insurance for the table and l_carrier.XXX where XXX is the name of the field that requires validation. This would check only the insurances that were applied to the current visit, but lacked the ability to pinpoint primary carrier vs secondary carrier.

With this change, the new `AdditionalRowFilter` validation rule property facilitates targeting the primary carrier and secondary carrier.

The AdditionalRowFilter takes a filter in the form of "columnName = value". If this filter is set, then prior to validating a row or a child condition, the table specified by "DataTable" is examined to see if the current row matches this filter. If the row doesn't match the filter, the logic skips over the row and will only validate other rows that match.

A sample rule that looks for an eligibility response with a coverage status code of 1 for the primary insurance is provided below:



In this example, the rule is first looking in c_visit_x_patient_insurance (so only insurances applied to the visit are considered), then an additional filter is applied to indicate the sequence_id must equal 1 (as is the case for a primary insurance). If any matching rows are found, then the rule examines the c_eligibility_response table (here an implicit join to c_visit_x_patient_insurance is done and only rows that have a matching eligibility_request_key are considered).

Configuration Instructions

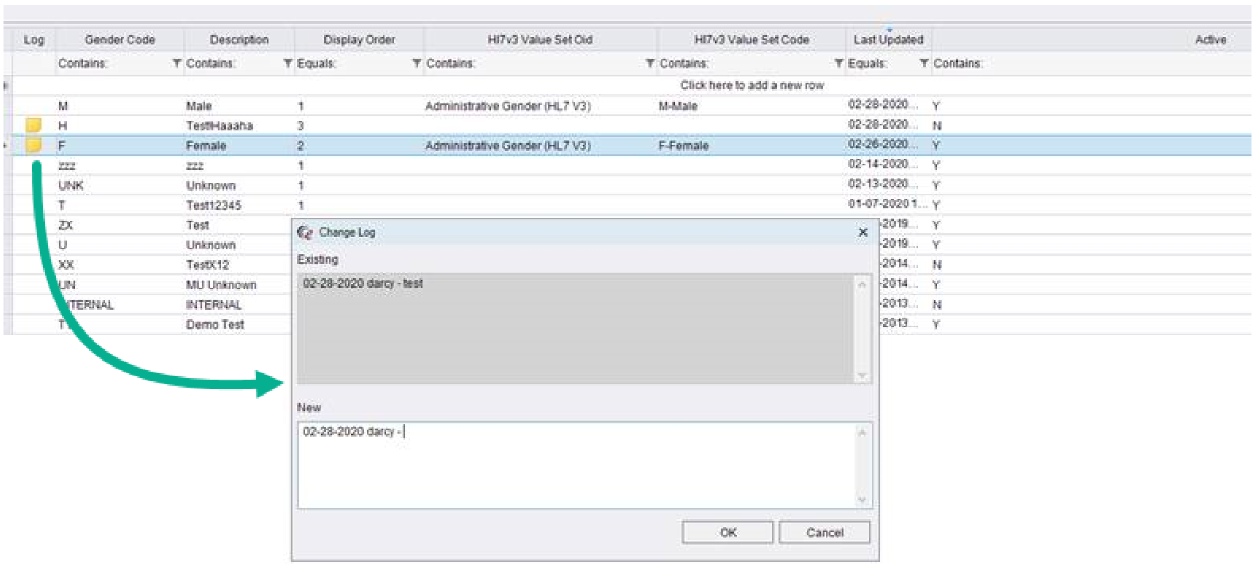
No System Administrator actions are necessary to enable this feature.

Audit History

Feature #9141 – Change Log for Lookup Table Editors

Summary

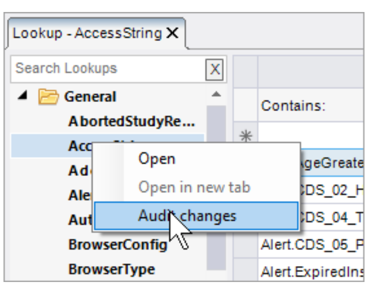
This enhancement introduces an optional "Change Log" for RIS Lookup Table Editors that allows a user to add explanatory text when making changes to configuration values. An unlimited number of notes may be added, up to 5000 characters each. The presence of notes is indicated via a note flag in the leftmost column, and each read-only note is timestamped with the author's user ID.



Background

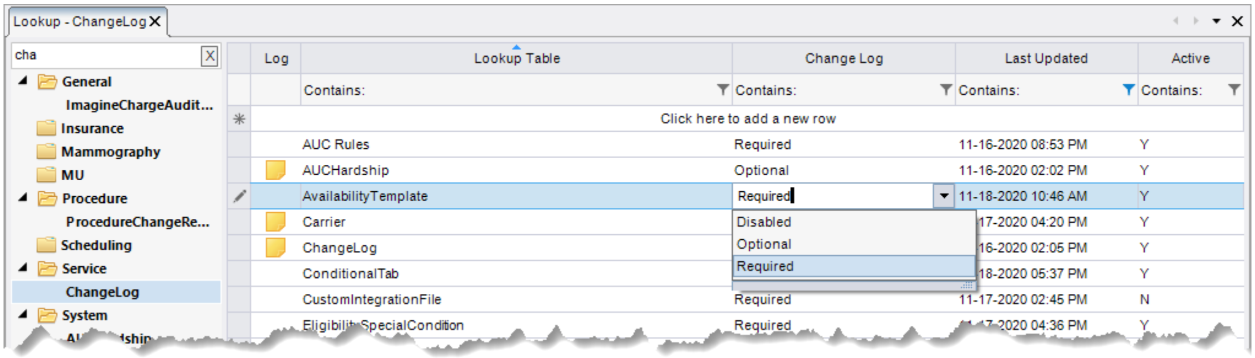
RIS has many configuration settings that can be updated by authorized users via Lookup Table Editors. Some of these changes can have dramatic effects on RIS behaviors and workflows.

Currently, RIS provides an auditing feature to track changes to the configuration tables that details what was changed and by whom. However, there is no provision to describe why a change was made or who authorized it.

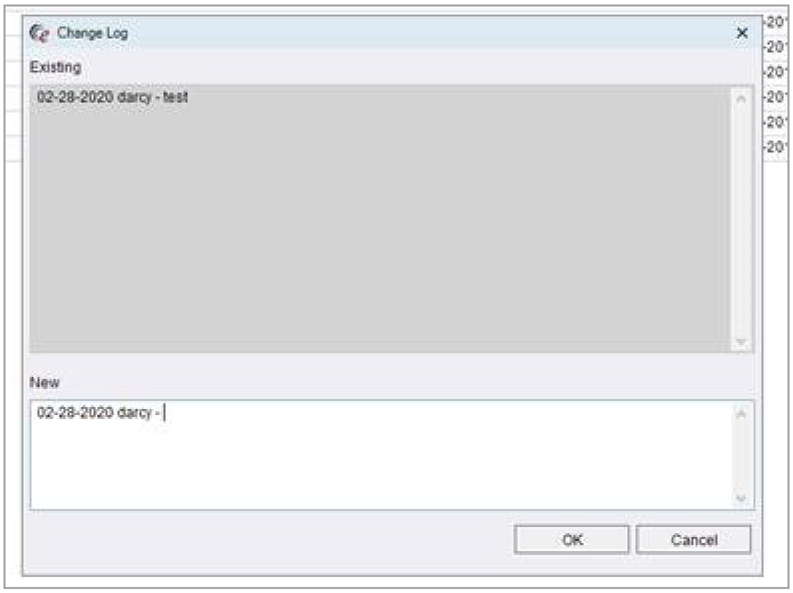


Feature

With this change, a new `ChangeLog` RIS Lookup Table Editor is available to enable the change log feature for selected RIS Lookup Table Editors. This will allow users to better communicate the reasoning behind configuration changes to others in the organization and the operations team. Each configuration table can be configured to make the entry of change log notes either `Disabled`, `Required`, or `Optional`.



Lookup tables that have a change log enabled will include a Log column. Double-clicking the column for any row will display the Change Log dialog:



An unlimited number of notes may be added, up to 5,000 characters each. Each read-only note is timestamped with the author's user ID.

When notes exist, a yellow note icon will appear in the Log column to indicate the presence of comments. If the lookup table has been configured to require notes, a red flag will appear as a visual reminder that the field is required. As always, the presence of an asterisk (*) indicates unsaved values.

Change log entries will also appear when searching the Audit History for the configuration table.

Usage Notes

Most configuration tables, such as ClinicalTask or Gender, use a default configuration table editor that has been updated to support a separate change log per row, with unlimited entries of up to 5,000 characters each.

However, some configuration tables use customized configuration editors that support different behaviors of which users need to be aware.

Many configuration table editors have a "parent" grid on the top of the screen that displays a "child" grid on the bottom of the screen when a row is selected, such as FormsAndLabels, ConditionalTab, and MessageGroup. When a value in either the parent row or a child row is changed, any notes will normally be associated with the parent row only.

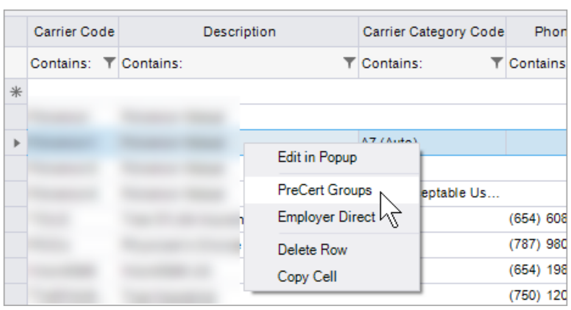
> *For example, if Kate edits the FormsAndLabels table to change the Description of the parent form, any note she adds is associated with that parent row displayed at the top of the screen. If she returns the next day to update the Description of one of the Printing Criteria rows at the bottom half of the screen and adds a note, it will also be appended to the Change Log that is viewed via the note icon displayed on the parent row at the top of the screen.*

Configuration tables that have "cross-table" configuration editors, such as ProcedureCode, SiteGroup, or DeliveryMethod do not require a separate note in the cross table, nor is it necessary to display the note in both tables.

> *For example, Sam needs to add an additional billing code for XR Chest procedures. She opens the ProcedureCode table, which has been configured to require Change Log notes. She selects the XR Chest procedure and clicks the arrow to expand the l_procedure_code_x_billing_code cross table. She then adds a new row to the cross table to associate her new billing code to the XR Chest procedure code. The note she adds to explain the reason for the change will be associated with the "parent" procedure code row, rather than the l_procedure_code_x_billing_code cross table row.*

The Organization table uses a custom editor that supports separate change logs for each Practice row as well as each Site row.

The Carrier table includes two context menu options that link to other lookup tables:



Selecting the PreCert Groups context menu will launch the PreCertGroup table in a new tab. This new tab is independent, so any notes will only appear on the PreCertGroup table. However, selecting Employer Direct opens a popup window that is essentially a cross table between the Carrier and EmployerDirect tables, so any notes will be associated with the corresponding row in the Carrier table.

The Personnel table has an existing `Internal Notes` field (on the Notes tab), which serves the same purpose as the Change Log feature. This field has been re-named field to `Change Log`.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Where the existing `Internal Notes` field (on the Notes tab) has been re-named to `Change Log`, review and update any scripts the site may have implemented that auto-enter "system" notes upon certain actions like personnel merges and an automated check of the PECOS checkbox.

Changes to RIS Access String Settings

- Grant `Config.LookupEditor.ChangeLogControl` permissions as necessary.

The following related settings were added or updated:

Setting	Default	Purpose
Config.LookupEditor.ChangeLogControl	Value=[None|Full], Default=[None]	Controls access to the "ChangeLog" lookup table editor. Added in v2018.5.6 #9141

Changes to Other RIS Lookup Table Settings

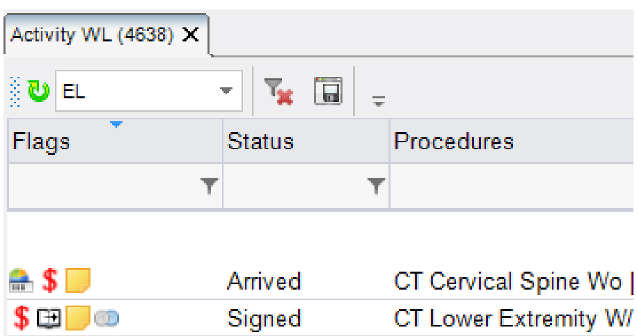
- Configure the `ChangeLog` RIS Lookup Table Editor for your organization.

Worklists

Feature #21585 - Add flags column to the Activity worklist

Summary

This small enhancement adds the flags column to the Activity worklist, making it consistent with other worklists.



Configuration Instructions

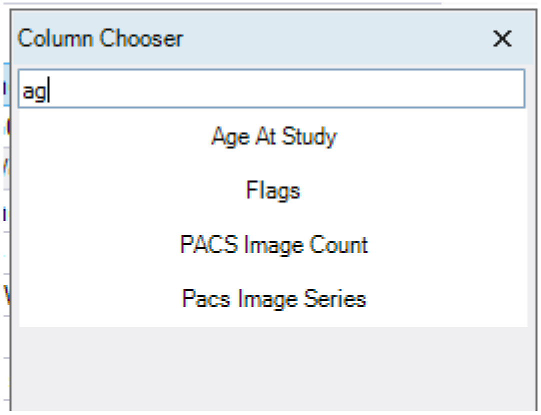
No System Administrator actions are necessary to enable this feature.

Feature #22724 - Add sort and filter functionality to the worklist Column Chooser

Summary

When many columns are hidden from a worklist view, it was previously difficult to find the desired column to add to the view because the options were not presented in a logical order. This enhancement to Worklists updates the existing worklist Column Chooser to add support for filtering of the columns that are available to add to a worklist. Available columns will also be listed in alphabetical order.

Column names will now be alphabetized and a search box at the top of the list can be utilized to find the desired column.



COLUMNS DISPLAYED IN THE COLUMN CHOOSER MAY NOW BE FILTERED

Configuration Instructions

No System Administrator actions are necessary to enable this feature.

Feature #27951 (Backport of #22851) - Limit size of cache for dated worklist values

Summary

This enhancement updates all materialized worklists to limit the amount of data cached when using a dated worklist.

Currently, dated worklists will locally cache every date visited by the user. When a user visits many dates without changing their sort or filters, their memory and disk caches will grow over time, reducing performance.

With this change, RIS now keeps track of each day visited (or re-visited). When a worklist is refreshed, old values are removed from the cache. A new `WLMaxDaysToCache` RIS System Configuration value controls how many days are retained in the cache.

Note that when the Confirmation worklist loads a date range, the date range will always override the `WLMaxDaysToCache` value.

Configuration Instructions

No System Administrator actions are necessary to enable this feature; however, optional configuration is available:

RIS Client

Changes to RIS System Configuration Settings

The following related settings were added or updated:

Setting	Default	Purpose
WLMaxDaysToCache	Value=Days as Integer, Default=[7]	Number of days on a dated worklist that will remain cached on the client. Added in v2018.5.6 #27951

Feature #27966 (Backport of #20942), Feature #27967 (Backport of #22367) - Enable materialized worklist pattern on all worklists

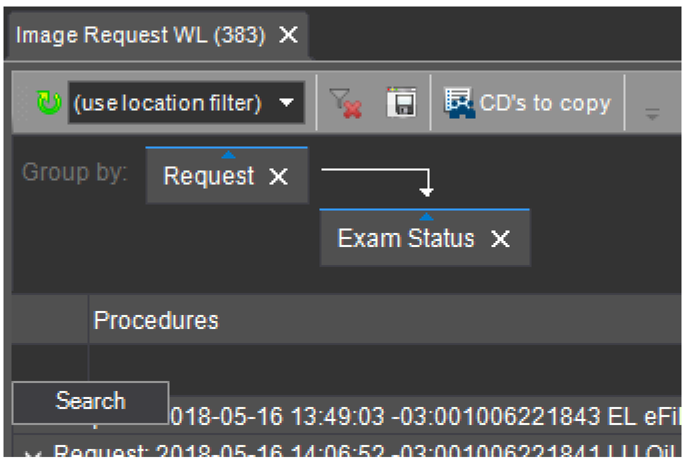
Summary

This enhancement to Worklists extends the new more flexible and efficient "materialized" worklist functionality enhancements to all RIS worklists, including supporting the existing "group by" functionality on the Image Request worklist.

Previously, many RIS worklists were updated to a new materialized worklist pattern.

With this change, all remaining worklists are now updated.

This includes the ability of the Image Request worklist to "group" items:



All previous functionality of the Image Request WL is maintained.

Configuration Instructions

Service Team assistance is required to enable this feature.

- Worklists may now be configured to materialized mode.

Related Redmine Items

- Feature #27966 (Backport of 20942) - Implement remaining WL to use the materialized WL pattern
- Feature #27967 (Backport of 22367) - Enable GroupBy feature for the Image Request materialized worklist

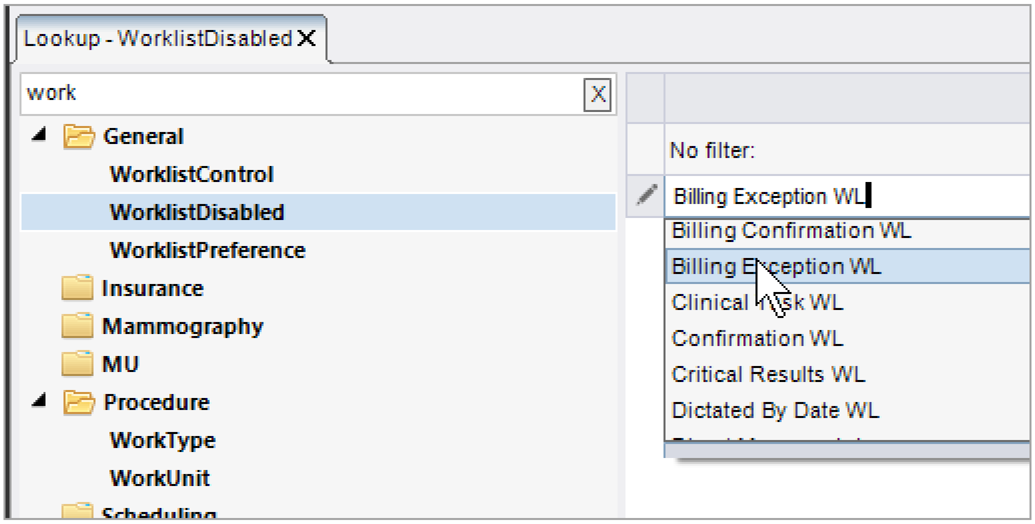
Feature #27969 (Backport of #21995) - Ability to disable unused worklists

Summary

This enhancement to Worklists introduces the ability to disable any worklists not being used by an organization to avoid the unnecessary overhead required to process and store the associated data.

Currently, a worklist such as the Billing Exception WL is populated even if it is not used by a customer. This can mean that millions of rows of data are processed and stored when they are not needed.

With this change, a new `WorklistDisabled` RIS Lookup Table Editor has been created:



When a worklist is added to this lookup table, that worklist will no longer:

- have worklist rules evaluated.
- have worklist items added.

Existing items from these worklists will be marked as inactive and be removed as part of the "Daily Maintenance" job.

> *Changes to the* `WorklistDisabled` *lookup table requires all RIS Services to be restarted.*

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to RIS Access String Settings

- Grant `Config.LookupEditor.WorklistDisabled` permissions as necessary.

The following related settings were added or updated:

Setting	Default	Purpose
Config.LookupEditor.WorklistDisabled	Value=[None|Full], Default=[None]	Controls access to the "WorklistDisabled" lookup table editor. Added in v2018.5.6 #27969

Changes to other RIS Access Tables

- Add selected worklists to the `WorklistDisabled` RIS Lookup Table.

Services

- If the `WorklistDisabled` lookup table has been modified, all RIS Services must be restarted.

Feature #27970 (Backport of #20940), Feature #27971 (Backport of #23199) - Client-side formatting of worklist person name values

Summary

This enhancement to Worklists updates all materialized worklists to utilize client-side custom formatting for person names.

Currently names of people are formatted by the database. For example, the user id "millst" is formatted as “Mills, Tim, KBE” by the database. This step adds load to the database and limits the ability to enable custom formatting of the name (e.g. a request that the name be formatted as “Mr. Tim Mills, KBE”).

With this change, the RIS UI will apply desired custom formatting via formatting specified in a new `PersonNameInWLFormat` RIS System Configuration value.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to RIS System Configuration Settings

- Configure `PersonNameInWLFormat` and `PersonNameInWLCacheTimeToLiveMinutes` for your organization.

The following related settings were added or updated:

Setting	Default	Purpose
PersonNameInWLCacheTimeToLiveMinutes	Value=Minutes as Integer [Min=5], Default=[1440]	Number of minutes to refresh the server-side cache for person_keys to descriptions. Added in v2018.5.6 #27971
PersonNameInWLFormat	Value=String [May include any field on the l_person table, plus user_id], Default=[{last_name}, {first_name}{ middle_name}{, name_suffix_code}{ (user_id)}]	The string format for displaying person names in materialized worklists. Added in v2018.5.6 #27971

Related Redmine Items

- Feature #27970 (Backport of #20940) - Client-side formatting of worklist person name values
- Feature #27971 (Backport of #23199) - UI Expanded Materialized WL Columns

Database

Feature #26821 - Support for RIS running on SQL Server Availability Groups

Summary

This enhancement to the RIS Database adds support for running RIS with a database configured to use SQL Server Availability Groups (SQL Server 2016 or newer).

SQL Server Availability Groups (AG) allow for multiple SQL Server instances to work together in a group, where a database on one server is designated as primary and all copies of that database on other SQL Server instances are secondary read-only. This is referred to as the MS SQL Server **High Availability Disaster Recovery (HADR)** solution. The "Always On" aspect requires that the primary server could fail over to a secondary server without data loss.

Configuration Instructions

Service Team assistance is required to enable this feature.

RADAR

Feature #27477 - Configurable message length for RADAR Quick Messages

Summary

This enhancement removes the current limit of 160 characters for SMS RADAR Quick Messages via a new `RADARQuickMessageTextLimit` RIS System Configuration setting.

Note that this change also removes the count down to 160 message that appeared as the user typed.

Configuration Instructions

No System Administrator actions are necessary to enable this feature; however, optional configuration is available:

RIS Client

Changes to RIS System Configuration Settings

- Configure `RADARQuickMessageTextLimit` for your organization. Note that the default limit is 1573 rather than the maximum SMS value of 1600 because RADAR may add the phrase 'reply STOP to unsubscribe' to messages.

The following related settings were added or updated:

Setting	Default	Purpose
RADARQuickMessageTextLimit	Value=Characters as Integer, Default=[1573]	Maximum character limit for RADAR Quick Message text. Added in v2018.5.6

Patient, Provider & UM Portals

Feature #23349 - Configurable Portal Login Messages

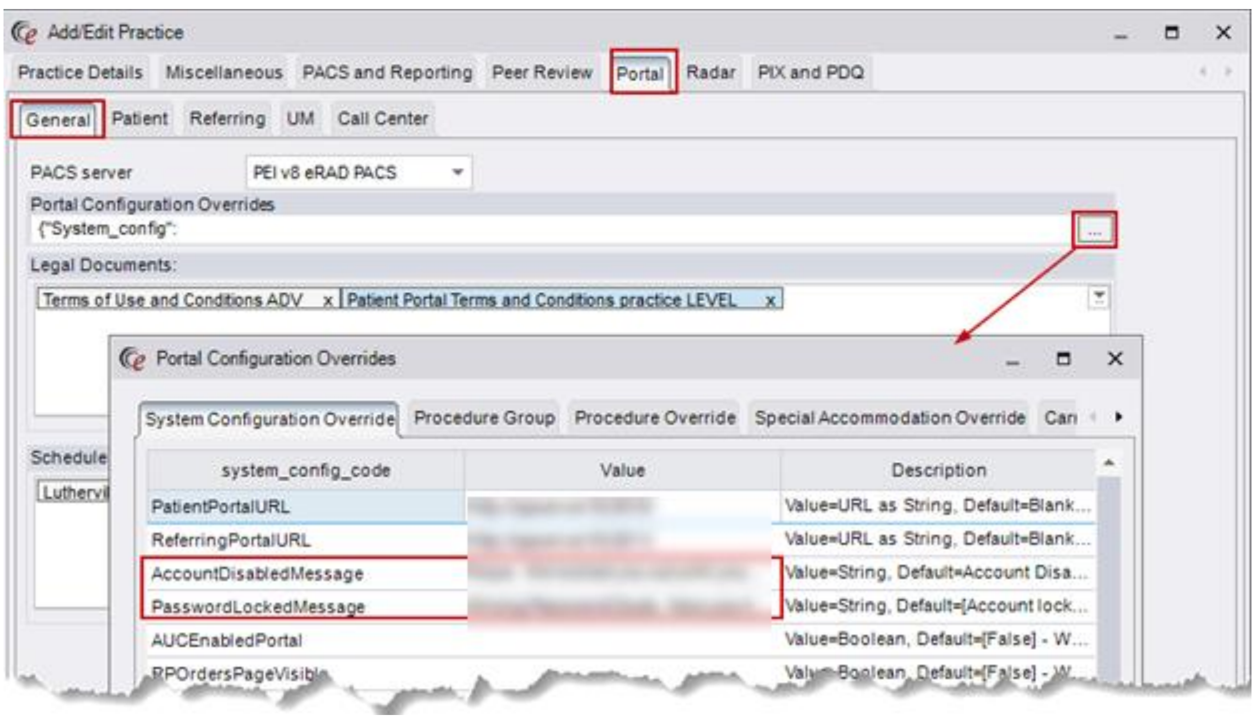
Summary

This enhancement to the Portal Log In Page adds support for configuring the messages presented to a user when they fail to log in due to their account being disabled or locked.

Previously, the invalid password warning message would display instead of the account disabled message.

With this change, all portals will use the same `AccountDisabledMessage` and `PasswordLockedMessage` RIS System Configuration values used for the RIS.

These entries have also been added to the portal configuration override, allowing customization at the Practice level:



Configuration Instructions

No System Administrator actions are necessary to enable this feature; however, optional configuration is available:

RIS Client

Changes to RIS System Configuration Settings

- Optionally, adjust `AccountDisabledMessage` and `PasswordLockedMessage` for your organization. These values are overridable at the practice level.

The following related settings were added or updated:

Setting	Default	Purpose
AccountDisabledMessage	Value=String, Default=[Account disabled. Please contact your administrator.]	Message to display to users who have had their accounts disabled. Updated in v2018.5.6 #27176

Provider & UM Portals

Feature #22336 – Enhanced control for locking portal accounts due to attempted login failures

Summary

This enhancement to the Provider & UM Portals adds more flexibility for determining when accounts will be locked out due to repeated failed login attempts.

With this change, a new `PortalAllowedPasswordFailAttempts` RIS System Configuration setting controls lockout of a Provider Portal, Provider Portal Admin, UM Portal, or UM Portal Admin account. When disabled, a user will never be locked out.

Configuration Instructions

No System Administrator actions are necessary to enable this feature; however, optional configuration is available:

RIS Client

Changes to RIS System Configuration Settings

- Optionally, adjust the new `PortalAllowedPasswordFailAttempts` and review related password configuration settings for your organization.

The following related settings were added or updated:

Setting	Default	Purpose
AllowedPasswordFailAttempts	Value=Integer, Set to [≤ 0] to disable, Default=[-1]	Number of consecutive verification attempts permitted before locking a RIS (not Portal) account. When disabled, a user will never be locked out.
PortalAllowedPasswordFailAttempts	Value=Integer, Set to [≤ 0] to disable, Default=[5]	Number of consecutive verification attempts permitted before locking a Referring, Referring Admin, UM, or UM Admin account. When disabled, a user will never be locked out. Added in v2018.5.6 #22336

Setting	Default	Purpose
PPAdminAllowedPasswordFailAttempts	Value=Integer, Set to [≤ 0] to disable, Default=[5]	Number of consecutive verification attempts permitted before locking a Patient Portal Admin (not User) account. When disabled, a user will never be locked out. Updated in v2018.5.6 #27176
PPAllowedPasswordFailAttempts	Value=Integer, Set to [≤ 0] to disable, Default=[5]	Number of consecutive verification attempts permitted before locking a Patient Portal User account. When disabled, a user will never be locked out.

Provider Portal

Feature #27994 (Backport of #18673) - Validate eRAD Web Viewer Version 8 with the portal platform

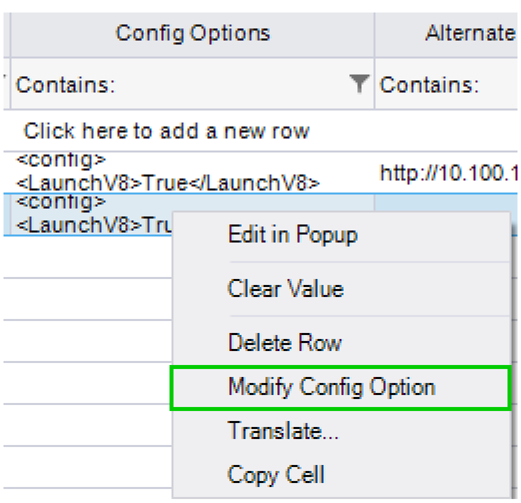
Summary

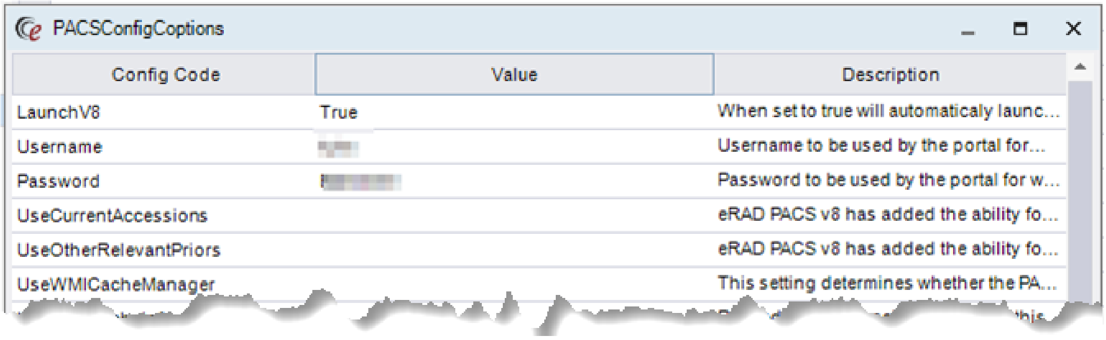
With this release, the integration of the new eRAD Web Viewer Version 8 has been validated with the RIS portal platform. This change is transparent to Portal users.

Currently, PACS V8 will work with the current portals by way of Mirth channels.

With this change, the portal can be reconfigured from the current Web Viewer to the new Web Viewer (version 8) via a configuration change, without needing an additional software update.

With the changeover to V8 PACS, a web service is being used which requires credentials. New `Username` and `Password` options have been added to the Config Options xml, and with the addition of the new parameters, the `PACSServer` RIS Lookup Table Editor now has a custom editor from the context menu of the `Config Options` column:





A new `WebPACSUseAlternateURL` app config allows the portal to fall back to the old Mirth communication for V8 PACS

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to other RIS Access Tables

- Configure the `PACSServer` RIS Lookup Table Editor with the `Config Options` for your organization, specifically `Username` and `Password` credentials.

Changes to AppConfig

- Configure `WebPACSUseAlternateURL` to allow the portal to fall back to the old Mirth communication for V8 PACS

Patient Portal

Feature #27412 - Suppress Patient Portal C-CDA messaging when report is unsigned.

Summary

This enhancement to the Patient Portal delays the display of the C-CDA in the Patient Portal until the exam is signed.

Previously, this information was displayed in the C-CDA even when the report was not yet available for viewing.

With this change, when the report hold back message is displayed under the report tab in the Patient Portal the result section in the C-CDA document displays this message instead of loading the report content.

This value is overridable at the Practice level.

Configuration Instructions

No System Administrator actions are necessary to enable this feature; however, optional configuration is available:

RIS Client

Changes to RIS System Configuration Settings

- Configure PPCCDAReporttHoldBackMessage for your organization. Optionally overridable at practice level.

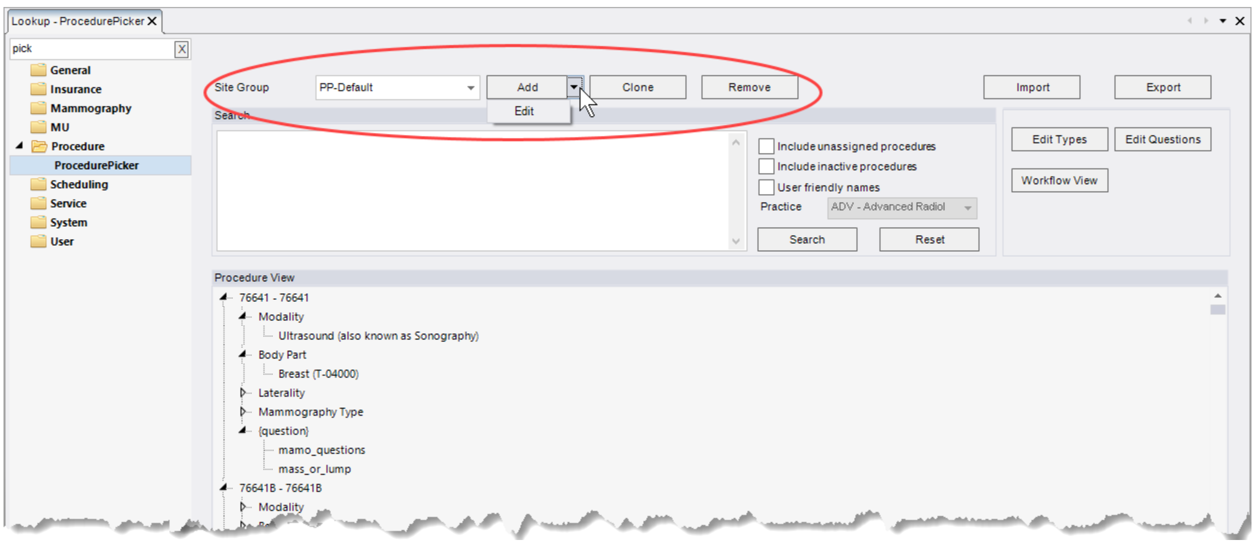
The following related settings were added or updated:

Setting	Default	Purpose
PPCCDAReporttHoldBackMessage	Value=String, Default=[This CCDA report is currently unavailable on the portal. This section of the report will be available when the report is released.]	Message displayed on the Patient Portal when a CCDA report is not available to display due to the hold back period. Added in v2018.5.6 #27412

Feature #27200 -Support for multiple procedure pickers in Portals

Summary

This enhancement to Connect Portal-Scheduling introduces the ability to configure different Procedure Pickers per Portal Site Group, and to clone Procedure Pickers so administrators don't have to start from scratch when building a new Procedure Picker.



Previously, portals utilized a single procedure picker, requiring all Portal Site Groups to share the same procedure code definitions.

With this change, procedure codes can now be defined differently per market, with the same nodes in the Procedure Picker tree leading to different procedures, which may have different CPT codes. In addition, multiple nodes can lead the user to the same procedure.

Note that when scheduling, it is possible that the user will change to a different Site Group or the patient may be scheduling from a different portal than the provider used to order the exam. In these cases, the system will attempt to use the Procedure Codes (and questions) defined by the originally configured Procedure Picker. If these Procedure Codes are not available at the new Site Group, no appointment options will be available.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to Other RIS Lookup Table Editors

- Configure the `ProcedurePicker` definitions for your organization by adding a new Procedure Picker for the desired site group or by cloning an existing procedure picker to provide a jump start for an alternate Procedure Picker for the desired site group.

Changes to RIS System Configuration Settings

- Configure `PPProcedurePickerDefault` and `RPProcedurePickerDefault` to define the default procedure picker definitions for your organization. These values are overridable at the practice level (portal site group).

The following related settings were added or updated:

Setting	Default	Purpose
PPProcedurePickerDefault	Value=String, Default=[PP-Default]	Default Procedure Picker for the site (or site group if overridden). Added in v2018.5.6 #27200
RPProcedurePickerDefault	Value=String, Default=[RP-Default]	Default Procedure Picker for the site (or site group if overridden). Added in v2018.5.6 #27200

RESOLVED ITEMS

eRAD RIS

This release resolved the following Redmine tickets:

Redmine #	Subject
16301	Enhanced System to prevent CSRF attacks in the Patient Portal.
20549	Updated Prov Admin - User Management to support unlocking Patient, Referring and UM user accounts from within the Admin portal.
20566	Resolved Prov Admin - User Management: Edit issue where invalid validation alerts were issued.
20695	Enhanced security of RIS verbose log files.
21238	Resolved Radiology Reporting display issue where labels were truncated in the Exam Details panel.
21765	Removed the "Advanced chair selection screen" due to performance concerns.
21793	Removed unneeded database indexes.
21949	Resolved Worklist Filtering issue where creating a 'Between' filter on the 'Age in Hours' column is not giving correct results.
22227	Resolved Scheduling issue where Scheduling search End Date will increment by 1 for each search.
23337	Resolved Provider Portal issue where the Edit and Cancel functions were missing from Exam Details page.
24138	Resolved Insurance Eligibility issue when parsing Humana eligibility details.
24288	Resolved Radiology Reporting display issue where Billing Code labels were truncated in the Exam Details panel.
24308	Resolved Worklists issue where filter operators were not correctly restricted based on UI language.
24592	Resolved Worklists issue where WL updates were made when not necessary.
24714	Resolved an Appointment Summary issue where the number of exams and total duration were incorrect in the downloaded calendar reminder.
25865	Resolved Radiology Reporting display issue where names were truncated in the Exam Details and Summary panels.
26033	Resolved Archiving issue where Scan document archive process could fail when updating statistics.
26207	Resolved Performance issue where some patient searches unnecessarily return full study data.
26330	Optimized Reception back-end calls for efficiency.
26878	Resolved Digital Forms issue where Digital forms may not export images during the export process.
27062	Resolved Provider Portal issue where authorized staff were not displayed when a user has multiple report delivery methods selected.
27176	Resolved Patient Portal issue with inconsistent Password Fail configuration.
27218	Resolved Walk-In issue where the Existing Orders Prompt only appeared when a worklist row was selected.
27662	Resolved Provider Portal performance issue on home and order page when referring practices include many other members.
27833	Resolved Patient Portal issue where Order level iCodes returned an error when associated with studies across different study status.
27930	Resolved memory leak issue in the Organization lookup.
27934	Resolved Scanning issue where modified scan documents were missing.

Redmine #	Subject
27974	Resolved Worklists issue where filter operators were not correctly restricted based on UI language.
27985	Resolved Patient Portal Account Access issue where Patient is unable to access account.
27993	Resolved Patient Portal issue where patient was unable to find appointment time for orders created in Provider Portal.
28010	Resolved Provider Portal issue where Portal Padding didn't match the UI message.
28021	Resolved Insurance Eligibility issue where Availity failed parsing backslash in address
28033	Resolved Appointment Book display issue where Appointment Book Interval field was obscured in RTL languages.
28053	Resolved Localization issue where Patient Name was truncated.
28065	Resolved Patient Portal issue where Referring Provider information was editable for orders created via the Provider Portal.
28077	Updated Patient Portal to add messaging when an order created in RIS cannot be modified on the Patient Portal.
28110	Resolved Provider Portal Account Sign Up issue where the Sign Up Request Submit button was not functional.
28155	Resolved issue where the Provider Portal returned an error when loading PACS image thumbnails.
28168	Resolved Patient Portal Admin Activity Log display issue where the incorrect time appeared on the Activity Log Tab.
28175	Resolved Logging issue where RIS no longer respected a - in the installDir file on log in.
28183	Resolved issue where adding a study from the Tech screen did not copy values if the studies were linked.
28215	Resolved Provider Portal issue where exams scheduled in the Patient Portal could incorrectly be canceled in the Provider Portal.
28219	Resolved Insurance Eligibility issue where the Verify Insurance button disabled after click.
28221	Resolved Provider Exam Detail Page issue where reports may not have displayed correctly within Provider Portal.
28232	Resolved Patient Search issue where Searching by Accession did not select the correct study row.
28238	Resolved issue where C-CDA was not visible for some studies in the Provider Portal.
28239	Resolved Patient Folder issue where it was not possible to manually change status for outside reads.
28249	Resolved Messaging issue where creating a new Secure Message returned an error when Language is Hebrew.
28251	Resolved Lookup Tables issue where RIS Services may have run out of DB connections.
28294	Resolved Provider Portal issue where Draft reports were appearing on the portal.
28301	Resolved Insurance Eligibility issue where Availity failed parsing backslash
28303	Resolved Scheduling issue where the Duplicate Procedure Warning was not displayed.
28310	Resolved Payment control issue where RIS returned an error when notes for payment exceed 500 characters.
28313	Resolved Payment control issue where Imagine Payment Portal integration failed.
28323	Resolved Interfaces issue where the c_patient_injury table could not be sent via Wedge.
28343	Resolved Interfaces issue where HL7 EMR verbal orders could cause blocking.
28412	Resolved Provider performance issue where database queries were causing long delays in Provider Portal.
28445	Resolved Validation Rules issue interrupting the cancel study/schedule later workflows.
28492	Resolved Lookup Tables issue where the Carrier table returned an error when saving without a carrier code.

Redmine #	Subject
28564	Resolved Patient Portal issue where a patient was unable to view one of their exams.
28572	Resolved Worklists issue where Dictated By Date WL was not populating with expected statuses.
28616	Resolved issue where Patient Admin Portal did not show any message when a disabled account attempts to log in.
28624	Resolved Lookup Tables issue where the InsuranceServiceTypeRule table could return an error when opening.
28650	Resolved EMR issue where the Existing Order Window was not displaying.
28693	Resolved Appointment book issue where rescheduling from the appointment book returned an error.

The following previously resolved Redmine "Backport" tickets were included with this release:

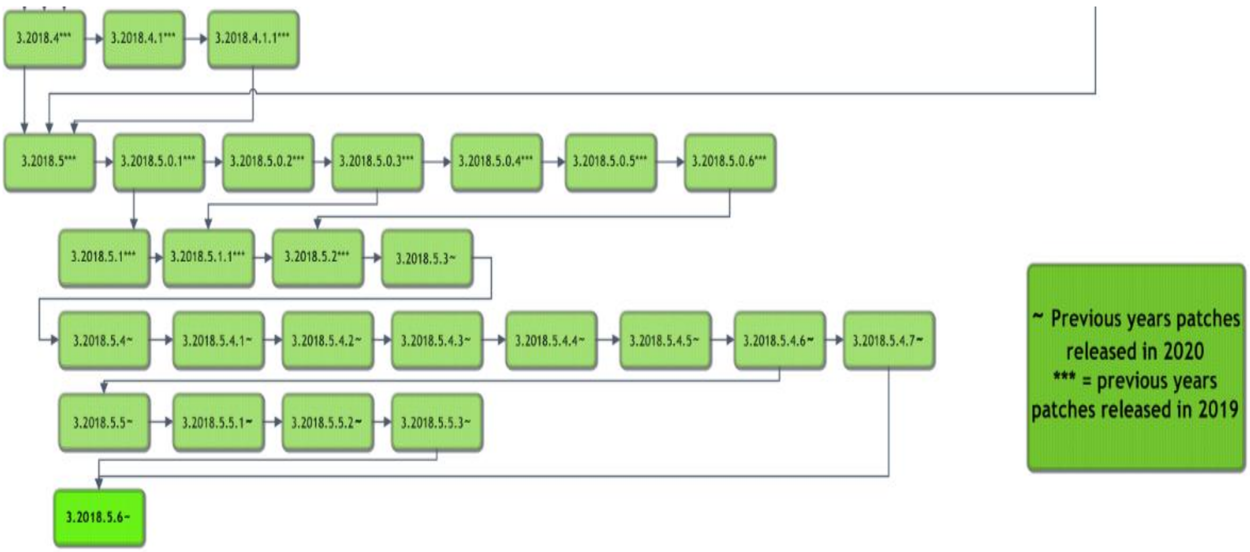
Redmine #	Subject
27949	Resolved Worklists issue where some studies were incorrectly appearing on the Activity WL.
27950	Enhanced indexing performance for dated materialized worklists.
27953	Resolved Inbound Document performance when updating an application lock for Inbound documents
27954	Resolved System issue where UMP patient search was very slow when returning larger sets of data.
27956	Resolved Insurance Management issue where Visits were incorrectly being assigned multiple primary insurances.
27957	Resolved Patient Portal performance issue when generating electronic order documents.
27958	Resolved Person Management issue where unable to remove an address in Personnel lookup editor.
27960	Resolved Mgt Reports performance issue running various reports.
27961	Resolved Mgt Reports performance issue running the Time to Schedule By User Report.
27962	Resolved Performance issue when logging into Provider Portal
27965	Resolved Worklists issue where unrelated columns may display (unpopulated).
27968	Updated RIS Services code to reflect changes from renaming the Closed Room WL to Appointment Conflict WL.
27997	Resolved Radiology Reporting "Next" workflow issue on Critical Results and Peer Review QA screens
28182	Resolved Scheduling issue where no results were returned although procedures were available in different rooms of the same modality type.

VERSION DETAILS

Package Contents

@Hotfixes	4/20/2012 8:51 AM
_Documentation	11/20/2020 12:06 PM
_ReleaseNotes	3/26/2012 11:02 AM
Client Application	11/20/2020 12:04 PM
DB	11/20/2020 12:04 PM
External WebAPI	11/20/2020 12:04 PM
Identity Service	11/20/2020 12:04 PM
Management Reports	11/20/2020 12:04 PM
Mirth Config	11/20/2020 12:04 PM
MWLServerConfig	11/20/2020 12:04 PM
PACS Citrix Bridge	11/20/2020 12:05 PM
RADAR Integration	11/20/2020 11:57 AM
RIS Service	11/20/2020 12:04 PM
Service Tools	11/20/2020 12:10 PM
Web Digital Forms	11/20/2020 12:05 PM
Web Patient Connect	11/20/2020 12:05 PM
Web Referring Connect	11/20/2020 12:06 PM
Web UM Connect	11/20/2020 12:06 PM
WebHelp	11/20/2020 12:04 PM
Build_2018.5.6.zip	11/20/2020 12:07 PM
RISServerMasterCert.pfx	3/31/2016 1:38 PM

Code Stream



Legend:

- Light Green = Previously Released software
- Gray = Internal version, non-release version
- Bright Green = Current Release

eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Digital Forms	Patient Portal	UM Portal	Provider Portal	Notes
2018.4	-	3.18.4(3GB)	3.18.4.0	3.18.4.0	3.18.4.0.0.01654386	3.18.4	3.18.4.0.0.761	3.18.4.0.0.761	3.18.4.0.0.761	Full Version Release. Including Patient, Provider and UM Portals
2018.4	1	3.18.4.1.0(3GB)	3.18.4.1.0	3.18.4.1.0	3.18.4.1.0.01770771	3.18.4.1.0	3.18.4.1.0.806	3.18.4.1.0.806	3.18.4.1.0.806	GUI, Web Service, DB, Digital Forms and Portals
2018.4	1.1	3.18.4.1.1(3GB)	3.18.4.1.0	3.18.4.1.0	3.18.4.1.0.01770771	3.18.4.1.0	3.18.4.1.0.806	3.18.4.1.0.806	3.18.4.1.0.806	GUI only
2018.5	-	3.18.5(3GB)	3.18.5.0	3.18.5.0	3.18.5.0.0.01832865	3.18.5.0	3.18.5.0.0.822	3.18.5.0.0.822	3.18.5.0.0.822	Full Version Release. Including Patient, Provider and UM Portals
2018.5	.0.1	3.18.5.0.1(3GB)	3.18.5.0.1	3.18.5.0.1	3.18.5.0.1.01913234	3.18.5.0.1	3.18.5.0.1.874	3.18.5.0.1.874	3.18.5.0.1.874	GUI, Web Services, DB, Patient/Provider/UM Portals
2018.5	.0.2	3.18.5.0.2(3GB)	3.18.5.0.1	3.18.5.0.2						GUI, Web Services
2018.5	.0.3	3.18.5.0.3(3GB)	3.18.5.0.1	3.18.5.0.3	3.18.5.0.3.01972329	3.18.5.0.3	3.18.5.0.3.887	3.18.5.0.3.887	3.18.5.0.3.887	GUI, Web Services, DB, Digital Forms, Patient, Provider and UM Portals
2018.5	.0.4	3.18.5.0.4(3GB)	3.18.5.0.1	3.18.5.0.4	3.18.5.0.4.02023490	3.18.5.0.4	3.18.5.0.4.903	3.18.5.0.4.903	3.18.5.0.4.903	GUI, Web Services, DB, Digital Forms, Patient, Provider and UM Portals
2018.5	.0.5	3.18.5.0.5(3GB)								GUI
2018.5	.0.6	3.18.5.0.6(3GB)		3.18.5.0.6	3.18.5.0.6.02076323					GUI, Web Services, DB
2018.5	1	3.18.5.1.0(3GB)	3.18.5.1.0	3.18.5.1.0	3.18.5.1.0.01916269	3.18.5.1.0	3.18.5.1.0.878	3.18.5.1.0.878	3.18.5.1.0.878	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	1.1	3.18.5.1.1(3GB)	3.18.5.1.1	3.18.5.1.1	3.18.5.1.1.01983618	3.18.5.1.1	3.18.5.1.1.890	3.18.5.1.1.890	3.18.5.1.1.890	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	2	3.18.5.2.0(3GB)	3.18.5.2.0	3.18.5.2.0	3.18.5.2.0.02084897	3.18.5.2.0	3.18.5.2.0.924	3.18.5.2.0.924	3.18.5.2.0.924	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	3	3.18.5.3.0(3GB)	3.18.5.3.0	3.18.5.3.0	3.18.5.3.0.02174049	3.18.5.3.0	3.18.5.3.0.951	3.18.5.3.0.951	3.18.5.3.0.951	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	4	3.18.5.4.0(3GB)	3.18.5.4.0	3.18.5.4.0	3.18.5.4.0.02214458	3.18.5.4.0	3.18.5.4.0.961	3.18.5.4.0.961	3.18.5.4.0.961	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	4.1	3.18.5.4.1(3GB)		3.18.5.4.1						GUI and Web Service
2018.5	4.2	3.18.5.4.2(3GB)		3.18.5.4.2						GUI and Web Service
2018.5	4.3			3.18.5.4.3						Web Service
2018.5	4.4	3.18.5.4.4(3GB)	3.18.5.4.4	3.18.5.4.4	3.18.5.4.4.02297855		3.18.5.4.4.982			GUI, Web Service, DB and Patient Portal Updates
2018.5	4.5	3.18.5.4.5(3GB)	3.18.5.4.5	3.18.5.4.5	3.18.5.4.5.02314967	3.18.5.4.5	3.18.5.4.5.988	3.18.5.4.5.988	3.18.5.4.5.988	GUI, Web Service, DB and Patient, Referring and UM Portal Updates
2018.5	4.6	3.18.5.4.6(3GB)	3.18.5.4.6	3.18.5.4.6	3.18.5.4.5.02314967	3.18.5.4.5	3.18.5.4.5.996	3.18.5.4.5.996	3.18.5.4.5.996	GUI, Web Service, Patient, Referring and UM Portal Updates
2018.5	4.7			3.18.5.4.7						Web Services only
2018.5	5	3.18.5.5(3GB)	3.18.5.5	3.18.5.5	3.18.5.5.0.02404209	3.18.5.5	3.18.5.5.0.1019	3.18.5.5.0.1019	3.18.5.5.0.1019	Full version release
2018.5	5.1	3.18.5.5.1(3GB)	3.18.5.5.1	3.18.5.5.1	3.18.5.5.1.02460669	3.18.5.5.1	3.18.5.5.1.1023	3.18.5.5.1.1023	3.18.5.5.1.1023	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	5.2	3.18.5.5.2(3GB)								GUI
2018.5	5.3	3.18.5.5.3(3GB)	3.18.5.5.3	3.18.5.5.3	3.18.5.5.3.02479332					GUI, Web Services, DB
2018.5	**6**	**3.18.5.6(3GB)**	**3.18.5.6**	**3.18.5.6**	**3.18.5.6.0.02571320**	**3.18.5.6.0**	**3.18.5.6.0.1050**	**3.18.5.6.0.1050**	**3.18.5.6.0.1050**	**Full version release**

INSTALLATION

Client/GUI

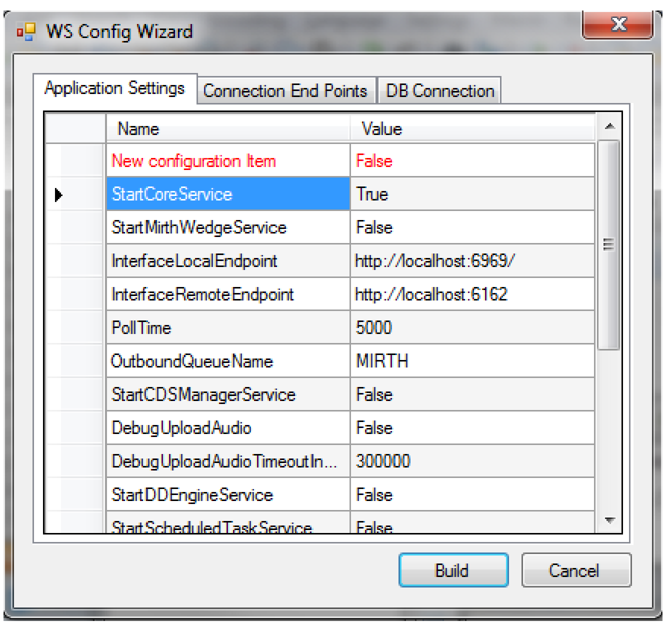
Copy and replace the current rRIS…zip file with the eRAD_RIS_2018.5.6.zip file provided with this release.

Be sure to make a backup of the ris.exe.config file contained within the current .zip folder.

Web Service

The web service upgrade consists of replacing the files in the RIS Web Service directory with the files supplied in the rRISService folder with this build. Always create a backup of the files being replaced. If using the eRAD_RIS_Backend_Installer.exe, the copying and backup of existing file will be performed for you. This upgrade includes 155 files in the rRISService folder and 17 sub folders. Of those folders, 1 is a folder titled **"XSL"** that contains a sub folder and files within the subfolder. Another folder is titled **"deploy"** that contains the new .config files that will be deployed with the user of the file called "ServicesConfigWizard.exe" (see instructions below). Folders ar (Arabic), en_AU (Australian English), en-ZA (South Africa), he (Hebrew), pt_BR (Brazilian Portuguese), es-AR (Argentina Spanish) and ru-RU (Russian) and are localization folders. The WedgePlugins folder contains various plugin files for RADAR, MIRTH, Ensemble, etc.

Once the files have been copied into place, open each service folder and run the ServicesConfigWizard.exe. All existing configuration settings will be displayed with their current values. If there are any new settings, they will be displayed in **red colored** font with default value applied:



Database

To update the database run the database updater tool: RISDataBaseInstaller.exe located in the DB directory of the deployment.

