

# Server Update

For eRAD RIS

Version 3.0













Build 3.2018.1

Update 3.2018.1.1

## **Table of Contents**

Package Contents .....	3
Intended Audience .....	3
Who is affected.....	3
New settings .....	4
System configuration .....	4
Applicationsettings.config.....	4
New Features.....	5
Feature #21087 – Copy and paste RTL characters from a PDF diagnostic report.....	5
Feature # 21028 - Disable live status updates for email report delivery jobs if system is not configured to receive status updates from RADAR .....	6
Feature # 21101 - GE PACS IW integration can now load images using Accession Number, in addition to previous method of NCD Study ID .....	7
Feature # 21100 - View/Edit ICD codes from the IVT screen .....	8
Feature # 21254 - Option to automatically restart RADAR SignalR client.....	10
Feature #21285 – Query and transmit a scanned document over an interface .....	11
Resolved Items .....	12
Code Stream .....	15
eRAD RIS Release Version Numbers .....	16
Installing .....	17
Client/GUI.....	17
Web Service .....	17
Database Updates .....	19

## PACKAGE CONTENTS

 _ReleaseNotes	06/22/18 4:05 PM
 Client Application	06/21/18 2:49 PM
 DB	06/21/18 2:49 PM
 External WebAPI	06/21/18 2:49 PM
 Identity Service	06/21/18 2:49 PM
 Management Reports	06/21/18 2:49 PM
 RIS Service	06/21/18 2:49 PM
 Web Digital Forms	06/21/18 2:49 PM
 Web Patient Connect	06/21/18 2:50 PM
 Web Referring Connect	06/21/18 2:50 PM
 Web UM Connect	06/21/18 2:50 PM
 Build_2018.1.1.7z	06/22/18 4:16 PM

## INTENDED AUDIENCE

The intended audience for this document is the RadNet Clinical Systems team and the eRAD Support/Service team.

It is appropriate to share the document with any customers applying the patch, in order to review new feature descriptions and resolved defects.

## WHO IS AFFECTED

Build 2018.1 installs. This server update must be applied to 2018.1.

**NEW SETTINGS**

SYSTEM CONFIGURATION

Setting	Default	Purpose
RADARInboundChannelRestartInterval	-1	(value = int) Controls how often (in minutes) the RADAR Inbound message channel will be restarted. (Feature is turned off when value is less than 1.)
EnableRADAREmailReportDeliveryJobStatusUpdates	True	(value = True/False) Enables live RADAR email report delivery job status updates.

APPLICATIONSETTINGS.CONFIG

Setting	Default	Purpose
GenerateRTLPDFForDiagnosticReports	False	When set to true, diagnostic reports will be generated in PDF format from the SSRS using the conversion library that supports specific character mappings that were problematic in the previous conversion method.

**NEW FEATURES****FEATURE #21087 – ORIGINALLY FEATURE #20319 (2017.3.2.2) – COPY AND PASTE RTL CHARACTERS FROM A PDF DIAGNOSTIC REPORT**

Previously, the **GenerateDiagnosticReport** web method on the External Interface Service (EIS) provided the option to export a PDF; however, the file provided did not allow copy/pasting of Hebrew characters, which are rendered by SSRS as bitmap objects. To support this functionality for any customers using right to left languages, a new solution has been added to eRAD RIS that will provide the ability to export to a document from which text can be copy/pasted.

New functionality has been added to the core logic which generates diagnostic report PDFs from the SSRS. Instead of returning the PDF bytes received from the SSRS server, a new method of generating a PDF representation of the report has been implemented. A DOCX is requested from the reporting services, which is then passed to a DLL called DPN. The DPN DLL is a conversion library provided by Sub Systems, the company which supplies the RTL editor for reporting. This process eliminates problems with embedding certain character mappings which are required for proper copy and paste support. Because the conversion library is able to convert a DOCX to a PDF without using MS Office, it is more reliable under a heavy workload.

A new applicationsettings.config setting has been created to enable this new PDF generation functionality.

**GenerateRTLPDFForDiagnosticReports:** Default = False

To enable the new functionality, this setting must be set to True for the service which is hosting the External Interface Service.

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FEATURE # 21028 - ORIGINALLY FEATURE # 20929 (2017.6.6) - DISABLE LIVE STATUS UPDATES FOR EMAIL REPORT DELIVERY JOBS IF SYSTEM IS NOT CONFIGURED TO RECEIVE STATUS UPDATES FROM RADAR

In version 3.2017.6, a new feature was added that would allow for a more realistic distribution status for reports being delivered via email. Instead of immediately setting the status to Complete after delivering the message to RADAR, the status would be set to "In Progress" until RADAR notified RIS that the email had been delivered.

If a system is not configured to receive the live updates from RADAR, it will result in the report delivery getting stuck in an "In Progress" status. To rectify this, there is now a System Configuration setting to turn on the new feature. By default, emailed reports will go to Completed status as soon as they are delivered to RADAR. If the configuration setting is set to True, then the new feature will be enabled and the status will be "In Progress" until RADAR informs the RIS that the email was delivered to the recipient.

Configuration setting:

[EnableRADAREmailReportDeliveryJobStatusUpdates](#)

In addition, the following must be true to enable the interactive status update:

- EnableRADARInboundMessageProcessing = True
- InboundRADARMessageFilter must contain "REPORT DELIVERY"

FEATURE # 21101 - ORIGINALLY FEATURE # 19217 (2017.6.7) - GE PACS IW INTEGRATION CAN NOW LOAD IMAGES USING ACCESSION NUMBER, IN ADDITION TO PREVIOUS METHOD OF NCD STUDY ID

Previously, the GE PACS IW integration passed the NCD Study ID to load images. Because this method of launching studies sometimes requires customers' PACS vendors to support a custom trigger, it is necessary to provide an alternative option for launching studies. Therefore, eRAD RIS can now support integration via Accession number.

By default, the existing NCD integration will be in place as before. To move to the new Accession number integration, a new property, *UseAccessions*, must be configured in the PACS Server look-up table. The following should be entered in the Config Options column:

```
<config>
```

```
<UseAccessions>True</UseAccessions>
```

```
</config>
```

If this new *UseAccessions* property is set to True using the above configuration, accession numbers will be utilized for PACS IW Show Study and Append Images calls. The method will be used for all PACS IW calls, including calls from the Dictation screen and View Images in the Patient Folder.

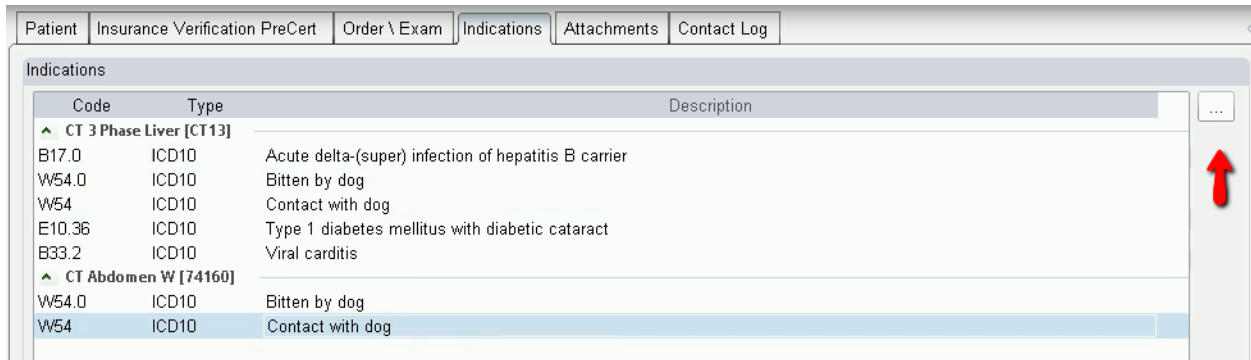
If the *UseAccessions* property is not configured, RIS will default to setting this property as False, which means that the previous method of launching studies using external ID/NCD will be utilized.

**FEATURE # 21100 - ORIGINALLY FEATURE # 19868 (2017.6.7) – VIEW/EDIT ICD CODES FROM THE IVT SCREEN**

For South African workflow, it is critical to be able to view and edit indication codes from the IVT screen. eRAD RIS can now display an Indications tab on the IVT screen under certain conditions. This is likely a useful feature for many customers, not just South African installations.

Because ICDs are stored at the study level, items on the IVT worklist that are in Ordered status will not display the new Indications tab. The study must have been scheduled to enable access to the new tab.

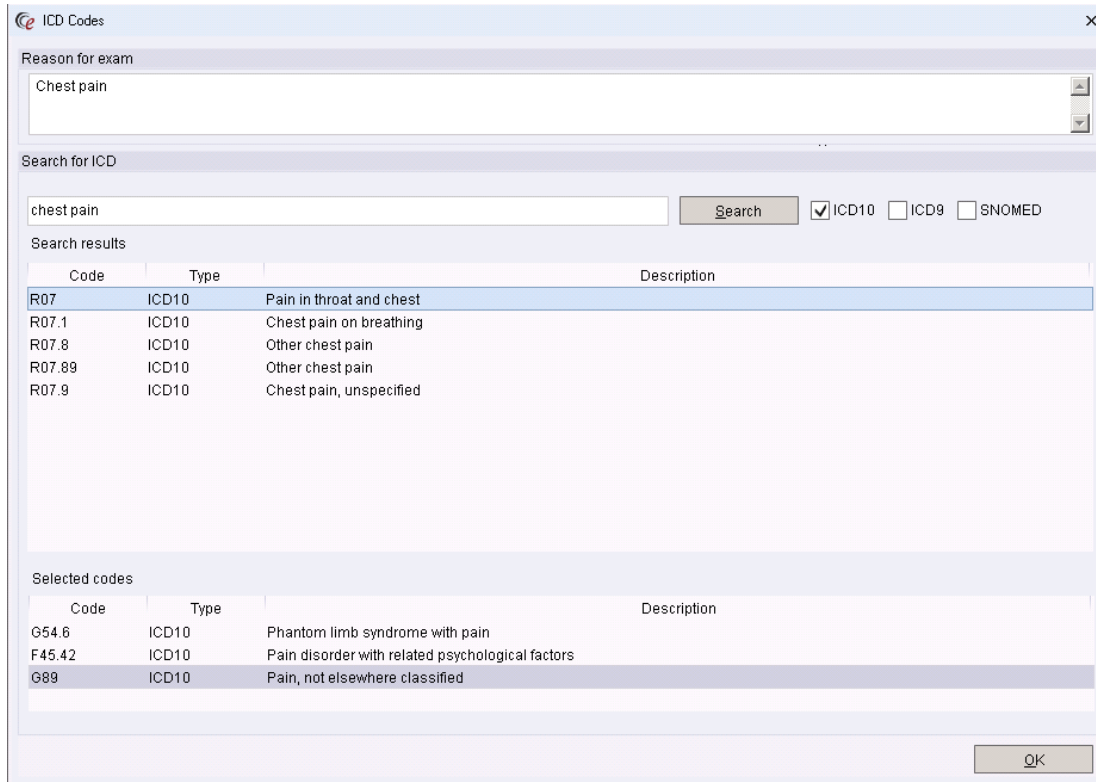
The new Indications tab is available on the IVT screen as shown in the following image.



As demonstrated above, if there is more than one study on the order, multiple sections will be included for each study.

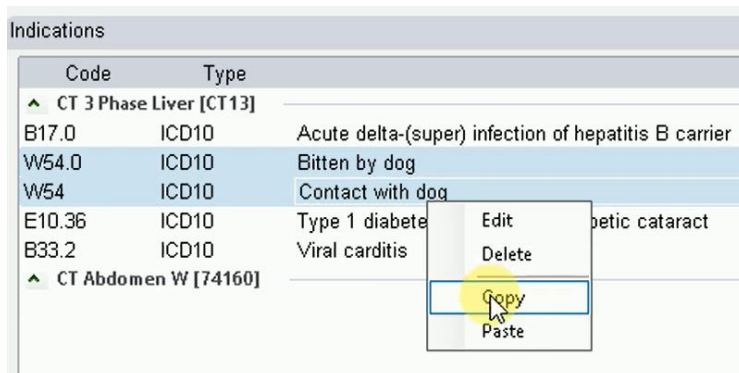
In addition to viewing indications that have already been associated, the IVT user can also edit or add entries. To do so, the user can click the “...” button (as is done today on the View/Edit screen) or double click the entry they wish to edit. It is also possible to choose Edit from the right-click context menu. Any of these options will open the existing ICD Codes pop-up window for the selected study (i.e. the study to which the highlighted row belongs).





From this screen, associated ICD codes can be removed and new ICDs can be searched and added.

It is also possible to delete ICDs from the main Indications tab. In addition, if there are common ICDs between multiple studies on the order, the user can multi-select ICDs from one study and copy them by choosing Copy from the right-click menu. Then right-clicking the second study will provide a Paste option so the common ICDs can easily be applied to the second study. (Keyboard shortcuts can also be utilized.)



When pasting ICDs to another study, any duplicate ICDs that already exist for the destination study will be ignored.

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**FEATURE # 21254 - ORIGINALLY FEATURE # 20930 (2017.6.8) – OPTION TO AUTOMATICALLY RESTART RADAR SIGNALR CLIENT**

The RADAR SignalR client manages inbound messaging from the RADAR EventBroker service. Previously, if the RADAR Wedge plugin lost connection to the RADAR event broker, it would fail to reconnect resulting in the loss of inbound RADAR message notifications. This resulted in report delivery statuses for reports with an Email distribution method not being received and report delivery jobs stayed at 'In progress' on the Document Distribution WL, even though they had been successfully delivered. It also impacted other inbound RADAR messages, such as SecurePIC replies.

To prevent this from happening, it is now possible to restart the RADAR SignalR client from within the RADAR Wedge plugin. This feature will restore the inbound connection to RADAR without restarting the Wedge service.

A new System Configuration setting has been added:

***RADARInboundChannelRestartInterval***

- Controls how often (in minutes) the RADAR Inbound Message channel will be restarted.
- The feature will be turned off if the value for this setting is less than 1.
- Default = -1 (meaning the new feature will be off by default)
- Recommended setting: if RADAR inbound messaging is enabled, the recommended value is 120.

In the RADARWedgePlugin, if Inbound is enabled and the new configuration setting is set to a value of 1 or higher, a timer is created and started. Once the timer has elapsed, the RADAR SignalR Client is disconnected and recreated, then attempts to reconnect to the RADAR Event Broker. Console messaging has been added to display when the client disconnects and connects to the RADAR Event Broker.

Recommended Use: RADAR inbound notifications are available for 8 hours before expiring.

If ***RADARInboundChannelRestartInterval*** is set to 120 minutes, this will restart the RADAR SignalR Client periodically to ensure inbound notifications are being received without having to monitor report delivery on the Distribution WL or the Wedge service itself.

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FEATURE #21285 – ORIGINALLY FEATURE #19743 - QUERY AND TRANSMIT A SCANNED DOCUMENT OVER AN INTERFACE

For some Israeli workflows related to pathology, RIS needs to support sending a scanned document over an interface.

The outbound message interface currently sends messages out when scanned documents are associated to a study. The documents themselves are not transmitted, but the message does contain their identifying keys. These keys now serve as parameters to a new web service method that retrieves and returns the image data.

A Scan Document Manager class has been created in external services with three methods:

1) GetScanDocumentPage() : This method retrieves an image or an individual scanned document page by passing in a ScanDocPageKey. A single image file can be treated as .jpg.

2) GetScanDocumentPDF() : This method retrieves all scanned document pages associated to the scanned document key and generates a PDF which is stored as an array of bytes. Parameters are a ScanDocKey and a container with additional arguments.

3) GetScanDocumentDS(): This method is used for returning the entire Scan Document Dataset based on the criteria set by the sender. Parameter is an ExternalScanDocumentCriteria object that has optional properties. ExternalScanDocumentCriteria object also included a bool property 'IncludeAllScanDocs' which determines whether to include all related scan documents or not.

In 2018.2, there will be a feature introduced where all studies for the same order can have the same accession\_number. When this is put in place, the OrderLevelAccessionNumber setting, when turned on, will cause the study\_key and accession\_number retrieval methods to also return scanned documents associated to any other studies with the same accession number.

## RESOLVED ITEMS

Redmine #'s for 2018.1.1	Subject
21327	Resolved an issue that allowed modality closures and restrictions to be created for both 00:00 and 24:00 on the same date (essentially the same time).
21297	'Schedule From' action no longer throws error when multiple insurance carriers are set to primary.
21284	An error on API Documentation URL Page has been corrected.
21268	ExternalWebAPI terms of service will now load properly.
21235	Resolved an issue with the email link when inviting a patient to schedule from the Provider Portal.
21232	Scheduling templates will now support a full 24-hour schedule.
21202	An index has been added to avoid an unnecessary table scan when validating a password in the Provider Portal.
21193	All Signed Pending QA WL is now populating correctly with Signed* status.
21177	Retrieving the Imagine Prior Balance requires a configurable set of practice numbers that are different from those used for ImaginePay.
21079	Resolved a visibility issue for Indications in the Exam Details pane (Dictation screen).
21070	Resolved an error that could occur in the portals when an EMR order has been created with a study item but no order item.
21042	The expected Urgent and Routine review timeframes are now displayed accurately in UM Review Required screen in the Provider Portal.
20970	Resolved an error that could occur when re-associating an EMR Order.
20961	Resolved a display issue that could hide the Ethnicity selection when creating a new appointment for new patient.
20955	RIS no longer hangs when changing the selected Scanner while adding an additional exam via the Perform Exam screen.
20950	Amount to Collect is now updating properly when the patient has multiple insurance carriers.
20944	Resolved an error that could occur for non-breast studies when opening View/Edit (order already open in another tab).
20934	Digital Forms Editor: Populate Answer Javascript exception no longer occurs when all fields in the Manage Rules screen are not completed appropriately.
20920	Reading Groups Pane no longer covers User Groups pane in Personnel lookup.
20917	PACS v8 - A character exception no longer occurs when opening certain studies in dictation window.

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20896	Dates listed in the Patient Portal Admin Tool no longer displays month where it should display minutes.
20869	Now able to view the UM Opinion Letter on the Utilization Review screen after 'Ordered' status.
20708	Bill to Method now defaulting to Bill to Insurance as appropriate.
20707	Resolved an error that could occur when saving Appointment Book views beginning with a number.
20657	Resolved an object reference error related that could occur in View/Edit after reconciling Unknown Carriers.
19495	Conditional Tab display based on patient age now properly handles leap years.

The following fixes from other versions and are included with this patch.

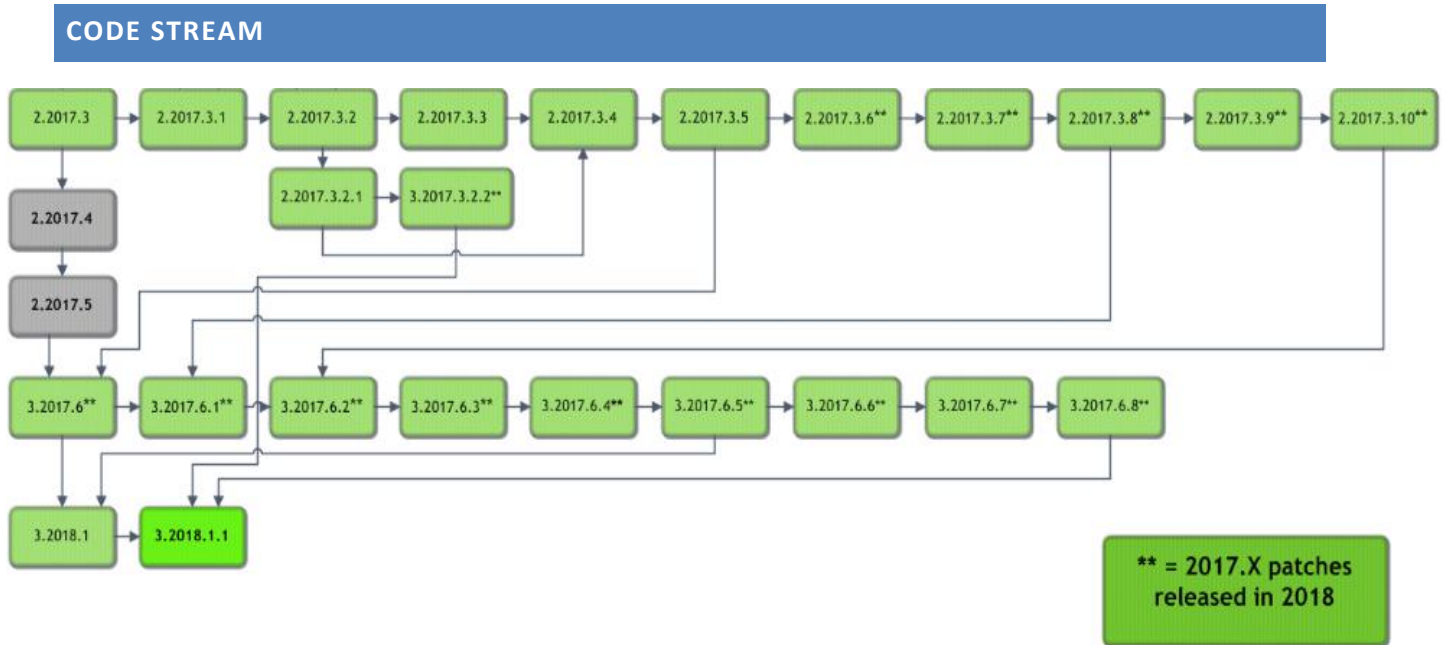
Redmine # for 2018.1.1	From eRAD RIS Version	Subject
21255	3.2017.6.8	SecurePIC Requests can be properly initiated when the patient does not have an email address.
21253	3.2017.6.8	Imagine Pay Integration now has additional logging and exception handling.
21252	3.2017.6.8	Linked Reporting: Changing the primary procedure on a manually linked set of studies now correctly maintains the link.
21250	3.2017.6.8	Resolved a performance issue that occurred when importing a study from CD when the study UID or patient ID were missing (null checks added).
21249	3.2017.6.8	UM Connect Portal Admin Tool: Resolved an issue in which sending a message to "all users" was incorrectly sending the message to all Provider Portal users, instead of UM Portal users.
21248	3.2017.6.8	UM Connect Portal: Exception no longer occurring on Exam Detail page when opening an order with both active and inactive study items.
21246	3.2017.6.8	GE PACS IW integration via Accession Number: new configuration option is now properly applied even if there are multiple PACS IW entries.
21245	3.2017.6.8	Changing Primary Procedure in a Procedure Plan is not breaking the link
21244	3.2017.6.8	Linked Reporting: Changing the primary procedure in a procedure plan is now correctly breaking the link.
21101	3.2017.6.7	GE PACS IW integration can now load images using accession number, in addition to previous method of NCD Study ID. (See feature description above.)

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21099	3.2017.6.7	Resolved event registration issues that could cause an inadvertent change to an alternate MRN issuer.
21098	3.2017.6.7	Previously, it was possible for Inbound Documents to be picked up before they are done being written to the file system, resulting in 0 byte files. To prevent this, a delay has been added and RIS will check to be sure that the file has not been modified in the past 2 seconds prior to processing the item. Files with 0 bytes are no longer processed.
21097	3.2017.6.7	Resolved an error that could occur when viewing the Appointments Page in the Patient Portal.
21096	3.2018.2	Erroneous multiple primary insurers no longer cause c_vw_client_worklist DB view to duplicate visit_key values which could cause a RIS core service crash in certain workflows.
21095	3.2017.6.7	Made changes to threads for PACS Caching process to include try/catch blocks to handle exceptions without causing core service crash.
21094	3.2017.6.7	On the Exam Details page in the UM Portal, the original appointment is no longer displayed in addition to the new appointment after an order has been rescheduled.
21093	3.2017.6.7	Resolved an issue where Patient Merges were improperly removing email address and security questions for patients with Patient Portal accounts.
21092	3.2017.6.7	Standard RIS Users without Provider Portal access strings will not be able to access the Provider Portal.
21091	3.2017.6.7	When the System Configuration setting RadMustProvideIcdCode is set to True, the requirement will not be enforced until the study reaches Signed or Tentatively Signed status. This will address an issue in which staff working the Problem WL were forced to enter Diagnostic Indications when working a problem case.
21090	3.2017.6.7	If a patient has scanned documents with a Scan Type that is now set as inactive, the description will still be displayed in the Attachments grid for the previously scanned documents.
21089	3.2017.6.7	Resolved an issue in which the Finalized Date column was not populating in the UM Portal.
21032	3.2017.6.6	Resolved an object reference error that occurred when switching Practices/Sites on the Inbound Document worklist.
21031	3.2017.6.6	If a patient has a previous alternate MRN, the Issuer description is now displayed in the MRN grid even when the Issuer is no longer Active.



**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
2017.3	-	2.17.3.0(3GB)	2.17.3.0	2.17.3.0	2.17.3.0.00764112	2.17.3.0	2.17.3.0.321	2.17.3.0.321	2.17.3.0.321	Full Version Release. Including Patient, Provider and UM Portals
2017.3	1	2.17.3.1(3GB)	2.17.3.0	2.17.3.1	2.17.3.1.00846328	2.17.3.1	2.17.3.1.853299	2.17.3.1.853301	2.17.3.1.856171	GUI, Web Service, DB. Including Patient, Provider and UM Portals
2017.3	2	2.17.3.2(3GB)	2.17.3.0	2.17.3.2	2.17.3.2.00898348	2.17.3.2	2.17.3.2.913898	2.17.3.2.913899	2.17.3.1.856171	GUI, Web Service, DB. Including Patient, Provider and UM Portals
2017.3	2.1	2.17.3.2.1(3GB)	2.17.3.0	2.17.3.2	2.17.3.2.00898348	2.17.3.2	2.17.3.2.913898	2.17.3.2.913899	2.17.3.1.856171	GUI Only
2017.3	2.2	2.17.3.2.1(3GB)	2.17.3.0	2.17.3.2.2	2.17.3.2.00898348	2.17.3.2	2.17.3.2.913898	2.17.3.2.913899	2.17.3.1.856171	Web Services only
2017.3	3	2.17.3.3(3GB)	2.17.3.0	2.17.3.3	2.17.3.3.00954008	2.17.3.2	2.17.3.3.962869	2.17.3.3.962870	2.17.3.3.962870	GUI, Web Service, DB. Including Patient, Provider and UM Portals
2017.3	4	2.17.3.4(3GB)	2.17.3.0	2.17.3.4	2.17.3.4.00987562	2.17.3.2	2.17.3.3.962869	2.17.3.3.962870	2.17.3.3.962870	GUI, Web Service and DB
2017.3	5	2.17.3.5(3GB)	2.17.3.0	2.17.3.5	2.17.3.5.01023250	2.17.3.2	2.17.3.5.1023087	2.17.3.5.1025862	2.17.3.5.1023087	GUI, Web Service, DB, Patient Portal, Referring Portal, UM Portal
2017.3	6	2.17.3.6(3GB)	2.17.3.0	2.17.3.6	2.17.3.6.01065114	2.17.3.2	2.17.3.5.1023087	2.17.3.5.1025862	2.17.3.5.1023087	GUI, Web Service, DB,
2017.3	7	2.17.3.7(3GB)	2.17.3.0	2.17.3.6	2.17.3.6.01065114	2.17.3.2	2.17.3.5.1023087	2.17.3.5.1025862	2.17.3.5.1023087	GUI
2017.3	8	2.17.3.8(3GB)	2.17.3.0	2.17.3.8	2.17.3.6.01065114	2.17.3.2	2.17.3.5.1023087	2.17.3.5.1025862	2.17.3.5.1023087	GUI and Web Service
2017.3	9	2.17.3.8(3GB)	2.17.3.0	2.17.3.9	2.17.3.6.01065114	2.17.3.2	2.17.3.5.1023087	2.17.3.5.1025862	2.17.3.5.1023087	Web Service
2017.3	10	2.17.3.10(3GB)	2.17.3.0	2.17.3.10	2.17.3.10.01125764	2.17.3.2	2.17.3.5.1023087	2.17.3.5.1025862	2.17.3.5.1023087	GUI, Web Service and DB updates
2017.6	-	3.17.6.0(3GB)	3.17.6.0	3.17.6.0	3.17.6.0.01037550	3.17.6.0	3.17.6.0.1037868	3.17.6.0.1037869	3.17.6.0.1037869	Full Version Release. Including Patient, Provider and UM Portals
2017.6	1	3.17.6.1(3GB)	3.17.6.0	3.17.6.1	3.17.6.1.01094077	3.17.6.0	3.17.6.0.1037868	3.17.6.0.1037869	3.17.6.0.1037869	GUI, Web Service and DB updates
2017.6	2	3.17.6.2(3GB)	3.17.6.0	3.17.6.2	3.17.6.2.01130171	3.17.6.2	3.17.6.2.1138297	3.17.6.2.1138298	3.17.6.2.1138298	GUI, Web Service, DB, Patient, Provider and UM Portals and Digital Forms
2017.6	3	3.17.6.3(3GB)	3.17.6.0	3.17.6.3	3.17.6.3.01166033	3.17.6.3	3.17.6.3.1168622	3.17.6.3.1168622	3.17.6.3.1168623	GUI, Web Service, DB, Patient, Provider and UM Portals and Digital Forms
2017.6	4	3.17.6.4(3GB)	3.17.6.0	3.17.6.4	3.17.6.4.01187509	3.17.6.4	3.17.6.4.1190295	3.17.6.4.1190295	3.17.6.4.1190295	GUI, Web Service, DB, Patient, Provider and UM Portals and Digital Forms
2017.6	5	3.17.6.5(3GB)	3.17.6.0	3.17.6.5	3.17.6.4.01187509	3.17.6.4	3.17.6.5.1199064	3.17.6.5.1199063	3.17.6.5.1199064	GUI, Web Service, Patient, Provider and UM Portals
2017.6	6	3.17.6.6(3GB)	3.17.6.0	3.17.6.6	3.17.6.6.01236363	3.17.6.4	3.17.6.5.1199064	3.17.6.5.1199063	3.17.6.5.1199064	GUI, Web Service and DB updates
2017.6	7	3.17.6.7(3GB)	3.17.6.0	3.17.6.7	3.17.6.7.01257812	3.17.6.7	3.17.6.7.1266287	3.17.6.7.1266287	3.17.6.7.1266287	GUI, Web Service, DB, Digital Forms, Patient, Provider and UM portals
2017.6	8	3.17.6.8(3GB)	3.17.6.0	3.17.6.8	3.17.6.8.01276873	3.17.6.8	3.17.6.8.1280869	3.17.6.8.1280870	3.17.6.8.1280869	GUI, Web Service, DB, Digital Forms, Patient, Provider and UM portals
2018.1	-	3.18.1.0(3GB)	3.18.1.0	3.18.1.0	3.18.1.0.01228009	3.18.1.0	3.18.1.0.1229289	3.18.1.0.1229290	3.18.1.0.1229290	Full version release
2018.1	1	3.18.1.1(3GB)	3.18.1.0	3.18.1.1	3.18.1.1.01288419	3.18.1.1	3.18.1.1.1299765	3.18.1.1.1299766	3.18.1.1.1299765	GUI, Web Service, DB, Digital Forms, Patient, Provider and UM portals

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## INSTALLING

### CLIENT/GUI

Copy and replace the current rRIS...zip file with the eRAD\_rRIS\_2018.1.1.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

This updated is only required for the Wedge Web Services. The Core RIS Service and Document Distribution Service are not required to be updated.

1. 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. This upgrade includes 147 files in the rRISService folder and 7 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 are (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...

#### **Services Configuration Wizard**

With the release of 42 to decrease the chance of losing configuration setting and missing new configuration options, we will no longer include the configuration files in the release in the main set of files, but they will now exist in a “deploy” folder, which will contain the three site configurable config files; applicationsettings, connectionstrings, and services as well as a copy of the rRISServices.exe configuration file. The contents of this folder should not be required to be touched.

On the install of a new service, all files will be copied to the appropriate locations on the server (no configurations will be over written). If instructed or to confirm no new configurations have been added the user can run the new application “ServicesConfigWizard.exe”

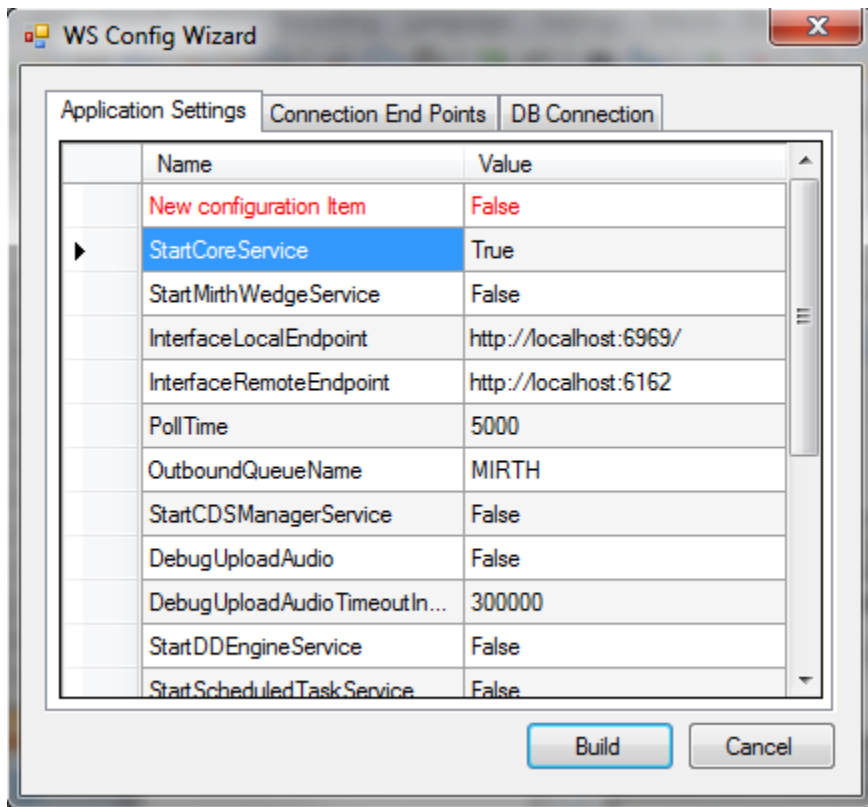
This application will read the existing configuration file(s) (if files exist), and compare to the provided new configuration files then will display three tabs, for each configuration file:

**Application Settings:** all existing configuration value will be displayed, if there are any new configuration entries they will be displayed in red.

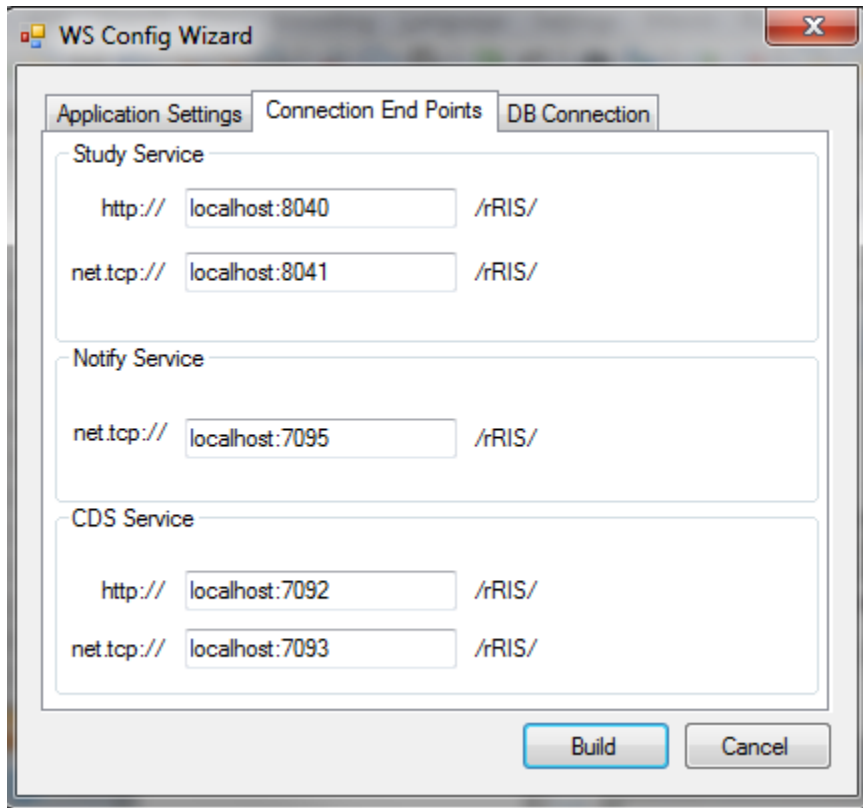
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**Connection End Points:** will display the existing configuration, if the value is left blank then that entry will not be created, in the case of “Study Service” or “CDS Service” if both http and net.tcp were not provided then that endpoint will not be created at all.



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## DATABASE UPDATES

Always run the upgrade scripts in a test environment of the actual database to make sure they run cleanly. If any errors occur please contact development.

*Note: There is a new upgrade process introduced with B43.1 called "RunUpgrade.bat". The batch file will open a command window. This process will prompt you for the database server name, database name and authentication credentials. There is no need to run the database upgrade scripts manually as was done in previous releases.*

- 1) From the upgrade folder, double click the “RunUpgrade.bat” command file.
- 2) Enter the server name, database name and authentication credentials to the database. You have 2 choices for authentication credentials.

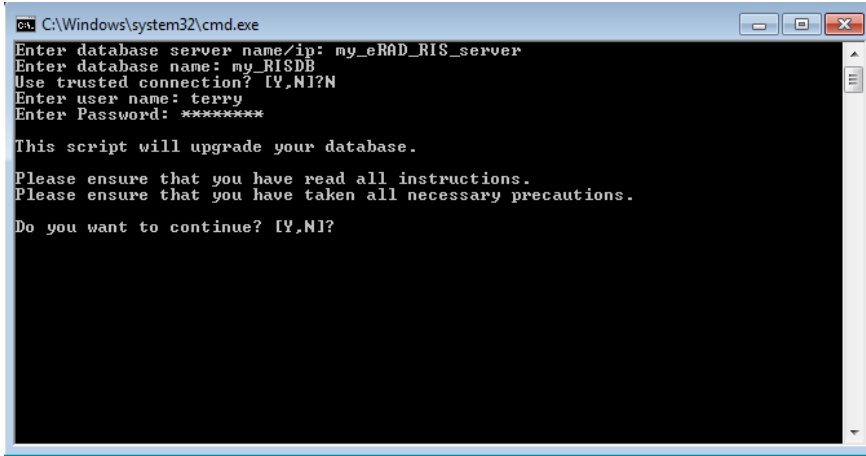
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- 3) You can choose to use “Trusted connection”. Using this option will pass the identity of the currently logged on user. If this user has “db\_owner” access to the eRAD RIS database then feel free to use this options.
- 4) If you decide not to use “Trusted connection” then you will be prompted for user id and password.

Example:



- 5) After the upgrade program has finished you can find the upgrade logs in the “log” folder. The file name will be eRAD\_RIS\_db\_upgrade\_timestamp.log, where timestamp is a value representing the date and time the upgrade started. If you see any errors please contact the development team