

Server Update

For eRAD RIS
Version 2.0
Build 43
Update 43.0.8

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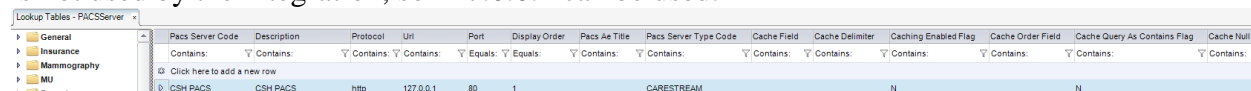
1. New Features

Integration with Carestream PACS

With the release of 43.0.8, eRAD RIS now integrates with Carestream PACS. This integration is very similar to the eRad PACS integration. Login, logout, open, append, and close images are all supported. No form of caching is supported.

Configuration:

When adding a new row to the PACSServer lookup table, CARESTREAM is now an available option under PACS Server Type. An IP address needs to be provided in the URL column but it is not used by the integration, so 127.0.0.1 can be used.



Pass Server Code	Description	Protocol	URL	Port	Display Order	Pass As Title	Pacs Server Type Code	Cache Field	Cache Delimiter	Caching Enabled Flag	Cache Order Field	Cache Query As Contains Flag	Cache Null Value
	Contains:	Contains:	Contains:	Contains:	Contains:	Contains:	Contains:	Contains:	Contains:	Contains:	Contains:	Contains:	Contains:
	Click here to add a new row												
CSH PACS	CSH PACS	http	127.0.0.1	80	1		CARESTREAM			N		N	

Figure 1.1 – PACSServer lookup table

When the Carestream option is added to the PACS Server lookup table, this option can then be added as the default for a Practice from the Organization lookup. Open the Practice for edit and on the PACS and Reporting tab select the Carestream PACS Option.

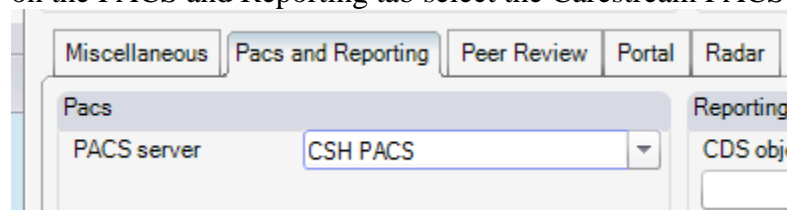


Figure 1.2 – Adding PACS Server as default to Practice.

It can also be selected as an option under the PACS menu > PACS Server option which was added in build 43.0.6.

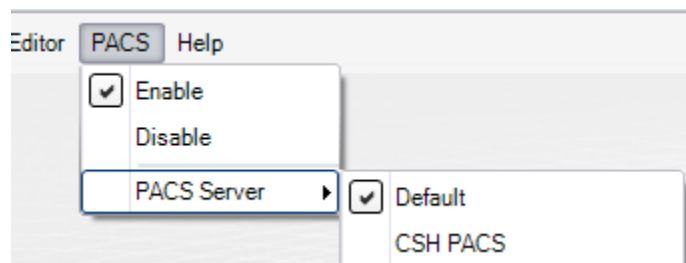


Figure 1.3 – PACS Server menu option

Use:

The RIS attempts to log in to the PACS when the user first tries to open images. Upon successfully logging in the images are opened. If login fails the user will be presented with a login dialog from the PACS. If the user then logs into the PACS successfully the images will then be launched. If they cancel the PACS login dialog the RIS will try to force the PACS to finish logging out and then display its own login dialog to attempt to resume logging in. The

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cancellation of the PACS login dialog often leads to disruption of the COM interface which is sometimes irrecoverable.

After the user is logged in, the images will open upon the user opening a reporting window such as the dictation window or the signature window (in this case they need to hit the View Images button). When the user closes the form, the images will close on the workstation. Switching between tabs will keep the images in the PACS in sync. Closing a tab and activating another integrated tab will also cause the appropriate images to be displayed.

Limitations:

The open images call to Carestream PACs is an asynchronous call, meaning that when the RIS instructs the PACs to load images the PACS returns control to the RIS immediately and provides no feedback to the RIS as to whether or not the images actually loaded. The RIS assumes success. In an effort to make sure the images are never out of sync the RIS first issues a Close call before an Open call any time it believes an image session is open.

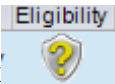
The COM interfaces that allow PACS to issue call-backs to the RIS have not been implemented as this is very problematic between a COM dll and a .NET application.

The PACSIntegration.log can be used to monitor the interactions between RIS and Carestream.

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Eligibility Check for Medical Group

For several carriers the medical group is mentioned in the eligibility return. We would like to notify the staff when they have chosen an incorrect medical group. If the return does not have the expected medical group we can show a warning message that will display in the lower right

corner of the application and the eligibility icon will be a yellow question mark .

To configure this feature a new lookup table titled Eligibility Special Condition has been added under the Insurance folder group. This new lookup tables access is controlled by a new access string titled “**Config.LookupEditor.EligibilitySpecialCondition**” which has a default of None.

In this table administrator will input the Carrier, matching string and warning message. If insurance details contains the matching_string, we will display the warning_message. If the matching_string STARTS WITH !, we will display the warning_message when the details does not containing the matching_string.

For example, the configuration may look like:

Carrier	matching_string	warning_message
Prospect Aetna	!Prospect Medical Group	Medical group is incorrect (PROSPECT)
Monarch UHC	!Monarch	Medical group is incorrect

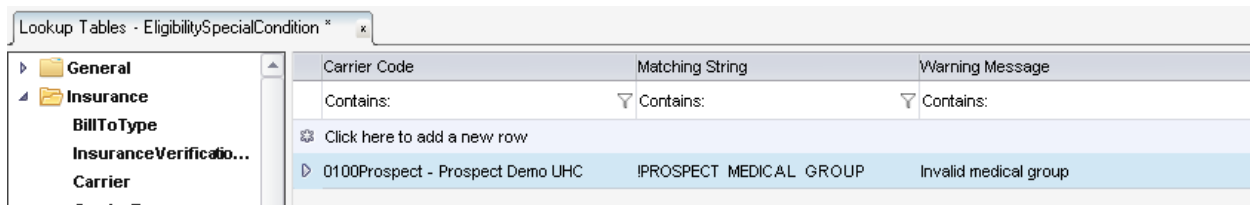
In the following example, we have created a carrier “Prospect Demo UHC”, which is only valid if the return contains “Prospect medical Group”.

Lookup Tables - Carrier					
Carrier Code	Description	Carrier Type...	Eligibility Payer Id	Address1	
Contains:	Contains:	Contains:	Contains:	Contains:	Contains:
Click here to add a new row					
0100Prospect	Prospect Demo UHC	Z (Other)	eRAD_Demo	The returns for this carrier should contain "Prospect Medical Group"	
0100Demo	Demo	Z (Other)	eRAD_Demo	eRAD_Demo	

Figure 1.4 – Carrier lookup

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Then, the eligibility special condition is configured as shown in the following:



Carrier Code	Matching String	Warning Message
Contains:	Contains:	Contains:
Click here to add a new row		
0100Prospect - Prospect Demo UHC	IPROSPECT MEDICAL GROUP	Invalid medical group

Figure 1.5 – Eligibility Special Condition lookup

Carriers can have multiple special conditions but only the first matching condition is displayed. Because the “Prospect Demo UHC” carrier is configured with the eRAD_DEMO eligibility_payer_id testing with the policy #7695 will give a green check. Testing with other policy numbers such as 10010010 will result in the “Invalid medical group” warning.

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Copy and Paste Enhancements

The pre-cert field in the billing codes grid, the insurance policy number, group number and group name columns in the Manage Insurance Policies feature all allow a paste to occur that may have unprintable characters. The issues are white space, tab characters, and a trailing CRLF. These characters will cause billing to fail.

The new code looks at PASTE events. These are caused by Ctrl – V, Shift-Insert, and right-click context menu, and Paste.

It also looks at the character by character typing performed by the user.

Before accepting the value into the RIS, the RIS will search the string for any of these magic unprintable characters, and will replace them with a visible space character.

The new code will then trim all leading and trailing spaces, leading and trailing tab characters, and trailing CRLF (that's the problematic 'enter' key that gets auto-pasted from Excel).

Example – Someone copies from a web page and the copy buffer contains :
(space)123(tab)456(space)(CRLF)(space)(tab)(CRLF) the RIS will simply paste '123 456'

OR – Someone types in (space)123(space)456(space)(tab) – The RIS will simply apply '123 456'

We envision that perhaps some rare circumstance will require a special character to be entered. So, we included the following context menu options:

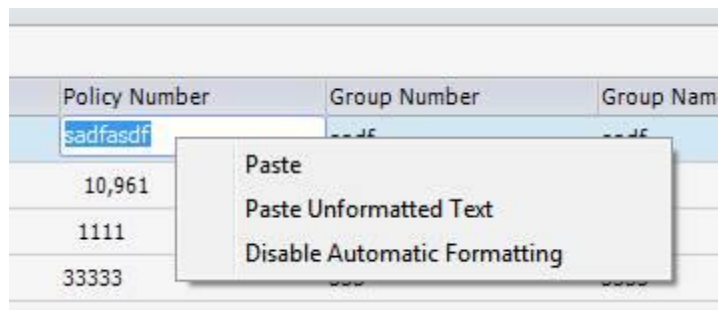


Figure 1.6 – Pasting options

Paste Unformatted Text disables all the special trimming, and does just what the old paste used to do.

Disable Automatic Formatting turns off the auto-trimming feature for every column in that open grid only. When the grid is closed and re-opened (ie, for the next patient) the auto-trimming is again enabled.

We want to put this into a trial-basis by only applying it to the most problematic areas of the RIS first. So, for 43.0.8, it will only work in the areas shown in RED.

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Patient Insurance Policies

Policies:

Use	Carrier	Policy Number	Group Number	Group Name	Expired
<input type="checkbox"/>	(5001167) NEW JERSEY MANUFACTURERS	sadfasdf	asdf	asdf	<input type="checkbox"/>
<input type="checkbox"/>	(5001167) NEW JERSEY MANUFACTURERS	q3er	asdf	asdf	<input type="checkbox"/>
<input type="checkbox"/>	(0140842) JOHN W. CONRAD	32323			<input type="checkbox"/>
<input checked="" type="checkbox"/>	(0140918) JOSEPH GREENWALD & LAAKE	33333	333	3333	<input type="checkbox"/>
<input type="checkbox"/>	(0140808) RICHARD BADER	3000	3000	3000	<input type="checkbox"/>
<input type="checkbox"/>	(050118) DONEGAL INSURANCE GROUP	asdfasdf	asdfasdf	asdfasdf	<input type="checkbox"/>
<input checked="" type="checkbox"/>	(0601240) ROYAL CARIBBEAN	1212	12	12	<input checked="" type="checkbox"/>
<input type="checkbox"/>	(051102) NATIONWIDE AUTO	11111	1111	11111	<input checked="" type="checkbox"/>

☒ Show Expired Policies

Policy Holder Information

Relation: Middle:

First Name: Last Name: Sex:

Birth Date: State:

☐ Same as Patient

Address 1: Address 2: City: Zip:

Injury Details

Claim Number: ☐ Unknown Claim Number

Injury Date: Source:

City: Employer:

State:

Adjustor First Name: Adjustor Phone Number:

Adjustor Last Name:

OK Cancel

Figure 1.7 – Manage Policies

All Pending Dictation WL (30) Patient Search Patient: STOCK, stock #11507460 (85) View/Edit: STOCK, stock #11507460 *

Patient Contacts / Demographics MU Order Documentation **Billing Codes** Attachments Notes / Exam Times Contact Log US Wo

Billing Code Information

ABN	Units	PreCert #	Expiry Date	Billing Code
Procedure: USAspiration Non-Breast (US58)				
	1	3000		10160 (PUNCTURE ASPIRATION OF ABSCESS, HEMATOMA, B

Figure 1.8 – Billing codes PreCert number

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Patient Insurance Verification PreCert Order \ Exam Attachments Contact Log

Patient birth date: 11-05-1955 (58y 10m) Referring: Doyle, Bob (443) 436-1234

Insurance Policies

Note	Carrier Code	Carrier Name	Policy #	Group Name	Group Number	Phone	Pr
▷	7595	MID-WEST NATIONAL LIFE	538		538	800733...	Pr

Manage Policies Verify Verification RI

Verification and PreCert Notes

09-24-14 Powells -

Order Not

09-24-14

test data

Billing Code information

PreCert #	Expiry Date	PreCert Status	Billing Code
Procedure: MA xDigi Mam Scr Bil & Diag Bil (MA11)			
3000		Not Required	Screening mammography, prod

Figure 1.9 - Billing codes PreCert number

2. Changes to Configuration

Setting Placeholder	Setting	Default	Purpose / Controls Access to
Applicationsetting. config	Config.LookupEditor.EligibilitySpecialCondition	None	lookup table access for the Eligibility Special Conditions lookup

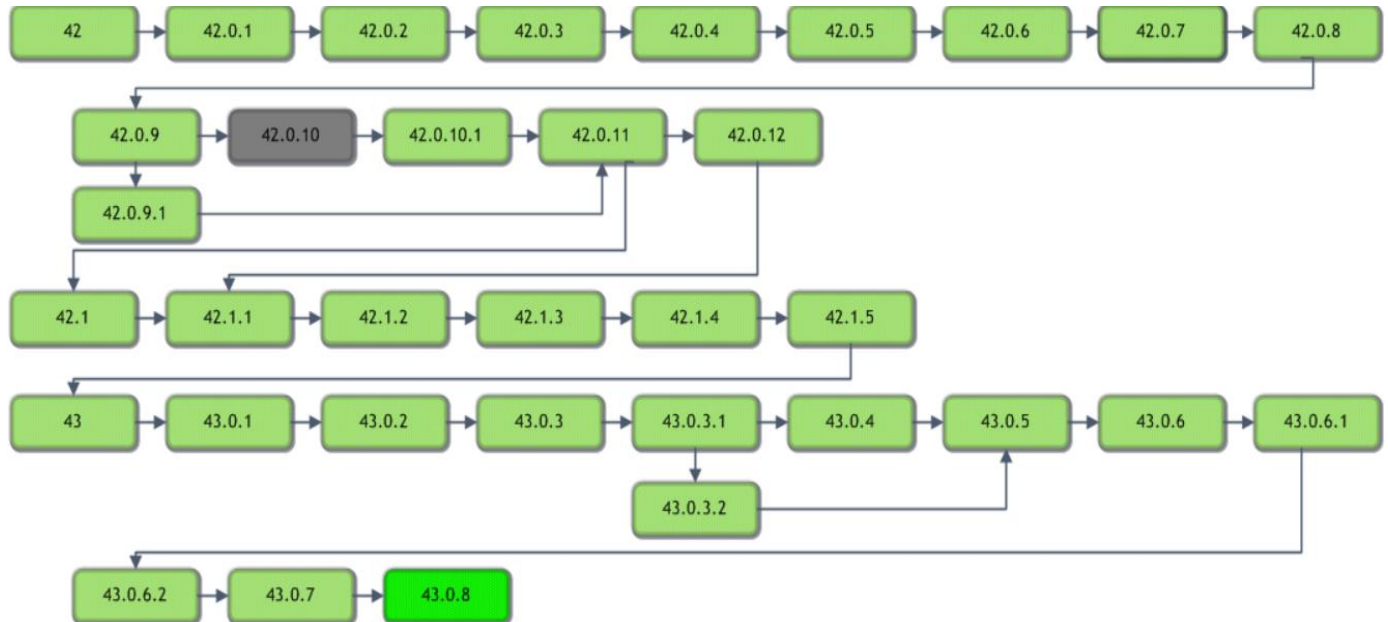
3. Defects Resolved

Redmine #	Tracker	Subject	Priority
7751	Bug	Legacy Reports are included in action data container	Urgent
7627	Bug	Copy & paste can include unprintable characters that affects billing	Urgent
7818	Bug	v43 new install number of indexes are not in the right tablespace preventing record inserts	High
7806	Bug	object reference error when scheduling from the Follow Up screen from BI-RADS 4/5 worklist	High
7612	Bug	unable to cancel an order if the order contained multiple items, one of which has progressed past scheduling and generated an i-code	High
7354	Feature	eRAD RIS to Carestream PACS Desktop integration	High
7815	Bug	Can't set a signed study to Voided status	Normal
7814	Bug	Insurance Eligibility - for multiple insurances we now decided to collect the co-pay for the primary insurance	Normal
7786	Bug	Insurance Eligibility - Issue rescheduling a newly added appointment.	Normal
7779	Bug	Insurance Eligibility - Deadlock when multiple requests are being made	Normal
7758	Bug	Editors Activity report fails	Normal
7747	Bug	Automated Measures by Radiologist - Fails on DRA for 2014 yr and stage 2	Normal
7740	Bug	Insurance Eligibility - Multiple STC count - adding multiple rows in c_eligibility_invoice table and affecting the Multiple STC count value on Eligible API Invoice report.	Normal
7734	Bug	Error on rescheduling study with insurance eligibility	Normal
7731	Bug	Insurance Eligibility Pilot - Invoice Inconsistency (PassThrough Fee)	Normal
7729	Bug	Insurance Eligibility Pilot - Invoice Inconsistency (Search Option Count)	Normal
7718	Bug	MU CQM Report with Both Stage 1 and Stage 2 numerator/denominator	Normal
7700	Bug	Insurance Eligibility - If Maximum remaining has been met, we should not charge a co-insurance	Normal
7699	Bug	Insurance Eligibility - Ignore plan deductible if deductible exists in the service section.	Normal
7697	Bug	Insurance Eligibility Pilot - Amount to collect refresh issue	Normal
7695	Feature	Insurance Eligibility - add a check for the Medical Group	Normal

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7677	Bug	need ability to move non-mapped patients EMR order to exsisting internal patient orders	Normal
7647	Bug	Insurance verification required may be inaccurate	Normal
7632	Bug	Error using Make Known functionality in unknown carrier workflow	Normal
7631	Bug	Error replacing carrier info on Reconcile screen	Normal
7585	Bug	Error while scanning - unable to cast object of type 'System.DBNull' to type 'System.String'	Normal
7579	Bug	Error performing Exam Search	Normal
7563	Bug	patient portal - Complete Notice of Privacy Practices link is not configurable	Normal
7561	Bug	Operations \ Unknown Referring report - fails if more than one user with the matching name found.	Normal
7557	Bug	Patient portal https:// vs http:// links	Normal
7537	Bug	Management Reports- Date range calender fields of Insurance Eligibility Reports pre populating with random dates causing ability to search/display inaccurate time ranges	Normal
7533	Bug	Filtering Assigned To columns with multiple users returns work list error.	Normal
7508	Bug	Insurance Eligibility Prototype - more details when we have an error message	Normal

4. Code Stream



Legend:

Light Green = Released software

Gray = Will not be released

Bright Green = Current Release

5. Package Contents

Files included for this server update:

1) GUI ZIP Updates folder contains:

- rRIS_1.3.43.0.8.25440.zip

2) RIS_Service_Updates contains:

ABCpdf.dll	Radar.DirectMessaging.Model.dll
ABCpdf9-32.dll	Radar.DirectMessaging.Model.pdb
ABCpdf9-64.dll	rRISServices.exe
Antlr3.Runtime.dll	rRISServices.pdb
CDSJobManager.dll	rRISServicesx64.exe
CDSJobManager.pdb	ScheduledTaskManager.dll
CdsLib.dll	ScheduledTaskManager.pdb
CdsLib.xml	ServicesConfigWizard.exe
CdsLib.XmlSerializers.dll	ServicesConfigWizard.pdb
CommonLib.dll	SignatureApprovalService.exe
CommonLib.pdb	SignatureApprovalService.pdb
contents.txt	System.Net.Http.dll
DDEngine.dll	System.Net.Http.Formatting.dll
DDEngine.pdb	System.Net.Http.xml
DiffPlex.dll	System.Web.Http.dll
Interop.ANYMODALCAPTURECTRLLib.dll	System.Web.Http.SelfHost.dll
Interop.FAXCOMEXLib.dll	System.Web.Http.SelfHost.xml
Microsoft.Practices.EnterpriseLibrary.Caching.dll	System.Web.Http.WebHost.dll
Microsoft.Practices.EnterpriseLibrary.Caching.pdb	System.Web.Http.WebHost.xml
Microsoft.Practices.EnterpriseLibrary.Common.dll	System.Web.Http.xml
Microsoft.Practices.EnterpriseLibrary.Common.pdb	System.Web.Mvc.dll
Microsoft.Practices.EnterpriseLibrary.Logging.dll	System.Web.Mvc.xml
Microsoft.Practices.EnterpriseLibrary.Logging.pdb	System.Web.Optimization.dll
Microsoft.Practices.ServiceLocation.dll	System.Web.Razor.dll
Microsoft.Practices.ServiceLocation.pdb	System.Web.Razor.xml
Microsoft.Practices.Unity.dll	System.Web.WebPages.Deployment.dll
Microsoft.Practices.Unity.Interception.dll	System.Web.WebPages.Deployment.xml
Microsoft.Practices.Unity.Interception.pdb	System.Web.WebPages.dll
Microsoft.Practices.Unity.pdb	System.Web.WebPages.Razor.dll
Microsoft.ReportViewer.Common.dll	System.Web.WebPages.Razor.xml
Microsoft.ReportViewer.WinForms.dll	System.Web.WebPages.xml
Microsoft.ReportViewer.WinForms.xml	Tourreau.Gilles.FaxDotNet.dll
Newtonsoft.Json.dll	Tourreau.Gilles.FaxDotNet.pdb
Newtonsoft.Json.xml	Tourreau.Gilles.FaxDotNet.xml
NLog.dll	WCFSservice.dll
O2S.Components.PDFRender4NET.dll	WCFSservice.pdb
PDFToImages.exe	WCFSserviceTests.dll
Radar.Common.dll	WCFSserviceTests.pdb
Radar.Common.pdb	WebApi.dll
Radar.Common.WebClient.dll	WebApi.pdb
Radar.Common.WebClient.pdb	WebGrease.dll
Radar.DirectMessaging.Client.dll	Wedge.exe
Radar.DirectMessaging.Client.pdb	Wedge.pdb

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The rRIS_Service_Updates also contains to subfolders:

- A. Deploy folder contains
 - a. Applicationsettings.config
 - b. ReleaseVersion-connectionstrings.config
 - c. rRISServices.exe.config
 - d. services.config
- B. XSL subfolder contains:
 - a. Subfolder titled “Stylesheets” which contains:
 - a. CDAToHTMLCompleteReport.xslt
 - b. CDAToHTMLCompleteReportDark.xslt
 - c. CDAToHTMLImpressionSection.xslt
 - d. CDAToRIS.xslt
 - e. CDAToTxt.xslt
 - f. DocumentModelReport.xslt
 - g. DocumentModelReportAsXml.xslt
 - b. CDA Subfolder contains

a. C-CDA.xsl	n. sectionInstructions.xsl
b. eRadStylesheet.xsl	o. sectionMedications.xsl
c. generalTemplates.xsl	p. sectionPlanOfCare.xsl
d. header.xsl	q. sectionProblemList.xsl
e. QRDA.xsl	r. sectionProcedures.xsl
f. QrdaLevel3_Cypress2.4.0.xsl	s. sectionQRDAMEasures.xsl
g. QrdaLevel3_ViewHtml.xsl	t. sectionQRDAPatientData.xsl
h. sectionAdministeredMedications.xsl	u. sectionQRDAREporting.xsl
i. sectionAllergies.xsl	v. sectionReasonForVisit.xsl
j. sectionEncounters.xsl	w. sectionResults.xsl
k. sectionFindings.xsl	x. sectionSocialHistory.xsl
l. sectionFuncCogStatus.xsl	y. sectionVitalSigns.xsl
m. sectionImmunizations.xsl	

3) SQL Folder contains:

- B43.0.8.sql

4) **SSRSDeployment** folder contains 7 subfolders, a batch file for deploying the reports and a help file for deploying the reports.

4.1. **Backups** folder is empty

4.2. **Fonts** folder contains 4 files:

- 4.1.1. FRE3OF9X
- 4.1.2FRE3OF9x_0
- 4.1.3FREE3OF9

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4.1.4FREE3OF9_0

- 4.3. **ParentFolder** folder contains 7 subfolders
 - 4.3.1. **Chair** folder contains 1 .rdl file
 - 4.3.2. **Dashboards** folder contains 9 .rdl files
 - 4.3.3. **Forms folder** contains sub folder and 2 .rdl files
 - 4.3.3.1. **SubReports** contains 10 .rdl files
 - 4.3.4. **Management Reports** folder contains 9 sub folders, these subfolders contain the core management report files (.rdl) to be deployed.
 - 4.3.5. **Marketing** folder contains 5 .rdl files
 - 4.3.6. **Order Templates** contains 1 file (Default.rdl)
 - 4.3.7. **SubReports** contains 13.rdl files
 - 4.3.8. **Verbal Order** contains 4 .rdl files
- 4.4. **Scripts** folder contains 9 .rss files. These files are used with the DeployReports.bat utility to deploy the reports.
- 4.5. **Upload Custom Mangement Reports** is empty
- 4.6. **Upload Diagnostic Templates** folder contains 1 subfolder
 - 4.6.1. **SubReports** folder is empty
- 4.7. **Upload Forms** folder contains 1 subfolder.
 - 4.7.1. **SubReports** folder is empty
- 4.8. **eRADDeployReports.bat** - batch file for deploying reports to report server for eRAD customers
- 4.9. **RadnetDeployReports.bat** - batch file for deploying reports to report sever for RadNet
- 4.10. **Adding reports for Deployment.docx** document to assist in added a report to the install process when deploying the reports.

6. Intended Audience

This document is created by the RIS Development team for the RadNet/eRAD RIS Implementation teams.

7. Who is affected

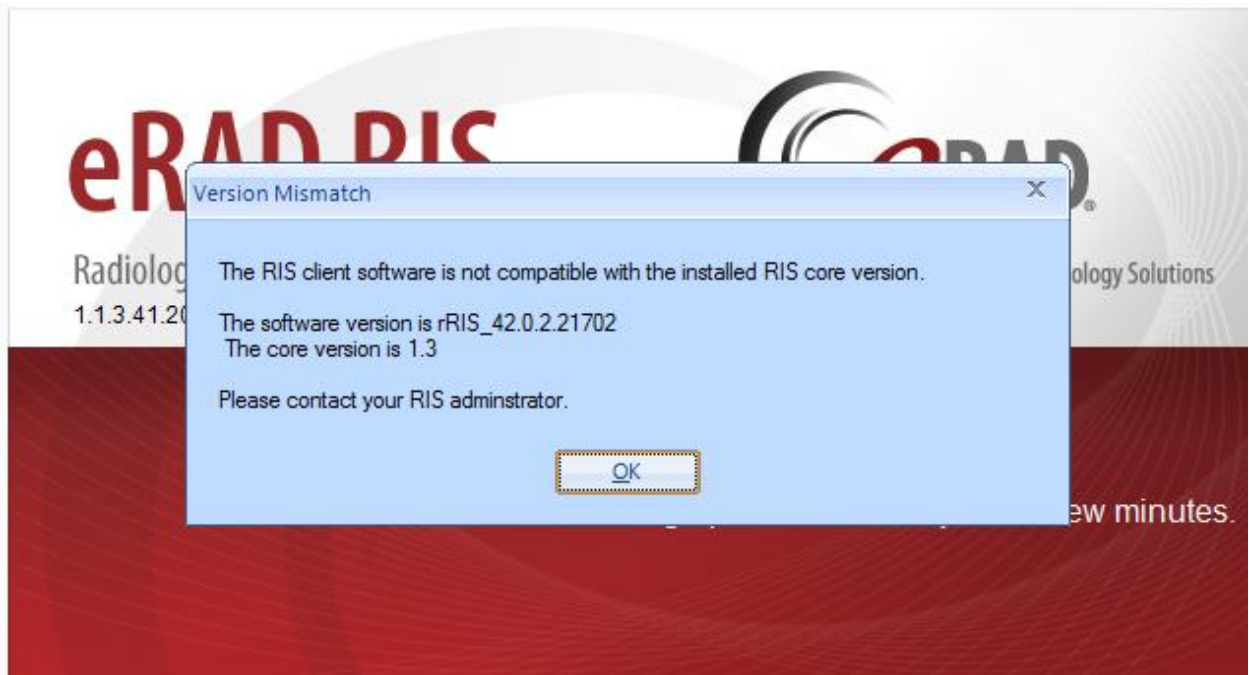
Build 43 installs. Server updates are not cumulative. This server update must be applied to 43.0.7

8. eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Notes
42.1	-	2.42.1.0.22744(3GB)	2.42.0.0.21261	2.42.1.0.22744	2.42.1.0.22736	GUI.zip, Web Service, DB updates and Management Report Deployment
42.1	1	2.42.1.1.2296(3GB)	2.42.0.0.21261	2.42.1.1.22963	2.42.1.1.22864	GUI.zip, Web Service, DB updates
42.1	2	2.42.1.2.23007(3GB)	2.42.0.0.21261	2.42.1.2.23007	2.42.1.2.23007	GUI.zip, Web Service, DB updates
42.1	3	2.42.1.2.23237(3GB)	2.42.0.0.21261	2.42.1.2.23237	2.42.1.2.23007	GUI.zip, Web Services
42.1	4	2.42.1.4.23348(3GB)	2.42.0.0.21261	2.42.1.4.23348	2.42.1.2.23007	GUI.zip, Web Services
42.1	5	2.42.1.5.23406(3GB)	2.42.0.0.21261	2.42.1.5.23406	2.42.1.2.23007	GUI.zip, Web Services
43	-	2.43.0.0.23715(3GB)	2.43.0.0.23171	2.43.0.0.23715	2.43.0.0.23743	Full Version Release
43	1	2.43.0.1.23798(3GB)	2.43.0.0.23171	2.43.0.1.23798	2.43.0.1.23770	GUI.zip, Web Service, DB updates
43	2	2.43.0.2.24017(3GB)	2.43.0.0.23171	2.43.0.2.24017	2.43.0.2.24023	GUI.zip, Web Service, DB updates and Management Report Deployment
43	3	2.43.0.3.24298(3GB)	2.43.0.0.23171	2.43.0.3.24298	2.43.0.3.24283	GUI.zip, Web Service, DB updates and Management Report Deployment
43	3.1	2.43.0.3.24450(3GB)	2.43.0.0.23171	2.43.0.3.24298	2.43.0.3.24421	GUI.zip and DB updates
43	3.2	2.43.0.3.24450(3GB)	2.43.0.0.23171	2.43.0.3.24298	2.43.0.3.24421a	DB updates
43	4	2.43.0.4.24447(3GB)	2.43.0.0.23171	2.43.0.4.24447	2.43.0.4.24442	GUI.zip, Web Service, DB updates and Management Report Deployment
43	5	2.43.0.5.24632(3GB)	2.43.0.0.23171	2.43.0.5.24632	2.43.0.5.24560	GUI.zip, Web Service and DB updates
43	6	2.43.0.6.24914(3GB)	2.43.0.0.23171	2.43.0.6.24914	2.43.0.6.24914	GUI.zip, Web Service and DB updates
43	6.1	2.43.0.6.24937(3GB)	2.43.0.0.23171	2.43.0.6.24937	2.43.0.6.24914	GUI.zip, Web Service
43	6.2	2.43.0.6.24970(3GB)	2.43.0.0.23171	2.43.0.6.24970	2.43.0.6.24914	GUI.zip, Web Service
43	7	2.43.0.7.25258(3GB)	2.43.0.0.23171	2.43.0.7.25258	2.43.0.7.25226	GUI.zip, Web Service, DB updates and Management Report Deployment
43	8	2.43.0.8.25440(3GB)	2.43.0.0.23171	2.43.0.8.25440	2.43.0.8.25425	GUI.zip, Web Service, DB updates and Management Report Deployment

9. Installing

- 1) Copy and replace the current rRIS...zip file with the rRIS_1.3.43.0.8.25440.zip file provided with this release.
Be sure to make a backup of the ris.exe.config file contained within the current .zip folder.



If you receive the Version Mismatch error above the GUI.zip will need to be renamed to add 1.3. to it. The GUI.zip file name change is from rRIS_43.0.8.25440 → rRIS_1.3.43.0.8.25440

NOTE: the GUI.zip included with this release has already been renamed to include 1.3.

This is required for installs that have not reached build 42. Because the software installed on your local workstation is a pre-42 build it detects a version mismatch in the software naming and won't allow the newest build to be launched (it is looking for 1.3. in the name). Once the workstation(s) have reached a build of 42 we will no longer need to add "1.3." to the GUI.zip name. Also note that a core install will not resolve this issue below.

NOTE: If your upgrade is coming from 40.016.1 or prior a core install will be required. Versions (builds) of 40.017 and greater do not require a core install as long as you are at least at 40.017 (Core Version 1.3.40.18756)

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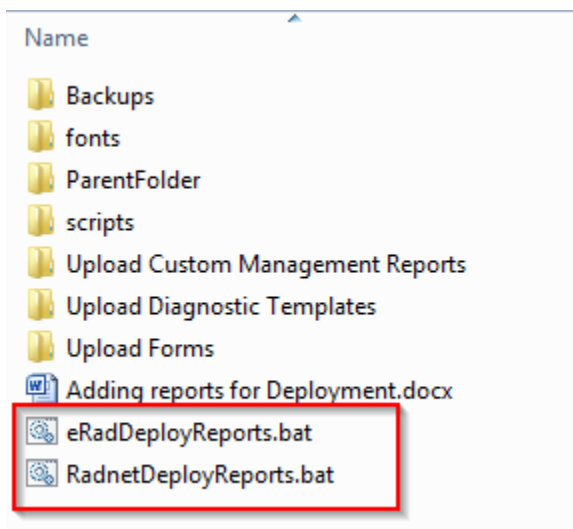
- 2) Stop each service listed below. Copy the files from the RIS Service Updates folder to the directory for each rRISService. Be sure to make backup of all files, but especially the rRISServices.exe.config and rRISServices.vshost.exe.config files.

rRISService directories include:

- a) *rRISService*
- b) *CDS rRISService*
- c) *Wedge rRISService*
- d) *DDE rRISService*

Restart each service.

- 3) Run the B43.0.8.sql file against the eRAD RIS database instance.
- 4) Management Reports Deployment / SSRSDeployment - There are 2 utilities called **RadnetDeployReports.bat** and **eRadDeployReports.bat** that will deploy the reports to a SQL Server Report Service. This utility is found in the **Build X\SSRSDeployment** folder. Below are the steps on how to use this utility. The purpose for the 2 .bat files are the RadNet one deploys a few extra reports specific to RadNet.



1. Launch the DeployReports.bat file.
2. **Enter report server name [default:<computer_name>]:**
 - a. A script will run against the server and return a list of all the root folders on that report server
**By Default this will pull the computer_name environmental variable from the machine running the script. I suggest running this from the report server for performance anyway.
3. **Enter root folder to deploy reports [default: production]:**

- a. This will create a new root if the name you give doesn't exist, or it will simply publish below the root of the folder if it does already exist. We typically will use "production" for the installation folder. Note: The script forces the root name to be lowercase.
**Default is suggested to be production, but you may need to change it based on the environment you are deploying to. Ie: testserver might be called something else.
4. **Do you wish to create a backup of the existing reports?:**
 - a. This will create a file backup of the report directory specified in the same directory deploy.bat is being run from inside a folder called Backups where it will create a folder based on datetime of backup. Ie: 04172014_110605 (MMDDYYYY_HHMISS).
5. **Do you wish to deploy core management reports?**
 - a. If you enter "y", it will redeploy the core management reports
6. **Do you wish to upload Forms?**
 - a. If you enter "y", the script will deploy any .rdl files into the installations Forms folder that you have previously saved into the script folder called "Upload Forms" including the folder below it called SubReports.
7. **Do you wish to upload Diagnostic Templates?**
 - a. If you enter "y", the script will deploy any .rdl files into the installations Diagnostic Templates folder that you have previously saved into the script folder called "Upload Diagnostic Templates" including the folder below it called SubReports.
8. **Do you wish to upload Custom Management Reports?**
 - a. Entering "Y" will copy any .rdl files you've copied under the deployment folder called Upload Custom Management Reports onto the server under Management Reports\Custom\Uploads directory
9. **Do you wish to create a datasource?**
 - a. If you select "y" you will get prompted for more information about the datasource you wish to create. You only need to create a datasource, if this is a new installation. No need to do this if you are upgrading an existing installation. The datasource gets created in the root of the folder from step 3. The datasource will be called RISDataSource.

If you chose to create a datasource, the following steps will be requested to complete the connection string.

1. **Enter database server name:**
 - a. This is the name of the physical database server
ex. MYSERVER-1
2. **Enter database name:**
 - a. This is the name of the database on the database server
ex. rRIS_Site

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3. **Enter report schema user name:** ex. The account that the datasource will use to connect to the database ie: SA. (For security reasons “sa” is not recommended)
4. **Enter report schema password:**

The results of deployment will be written to log.txt in the same folder as the DeployReports.bat file.