Server Update

For eRAD RIS
Version 2.0
Build 43
Update 43.0.5

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1. New Features

New Alert Configuration Values

Two new alert generators have been added to the AlertConfiguration lookup table.

- InactiveReferringOrAddress – If the referring physician associated with the study has become inactive or the "visited at" address has become inactive in the system since the order was created the user will receive an alert from the Schedule Order, Registration and IVT windows.

- InacticeCCPhysicianOrAddress - If the CC physician associated with the study has become inactive or the "visited at" address has become inactive in the system since the order was created the user will receive an alert from the Schedule Order, Registration and IVT windows.

Configurable IVT option for Self-pay

A new system configuration setting of "**SelfPayAppearOnIVTWL**" with a default value of False has been added to control if a study created with Billing Method of Self-Pay has been selected on the Order tab. When set to false the study will be as before and will not appear on the IVT work list. With a value of True, the study will now appear on the IVT work list.

Document Distribution WL Context Menu

The context menu from the Distribution WL and the Distribution History by Date WL now have the option of Patient Folder.
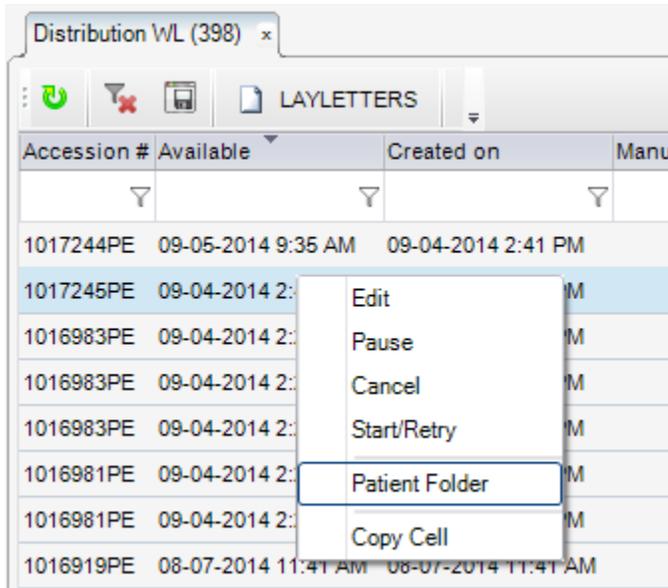

Figure 1.1 – Patient folder context menu added to Distribution WL's

2. Changes to Configuration

Setting Placeholder	Setting	Default	Purpose / Controls Access to
SystemConfig	SelfPayAppearOnIVTWL	False	Determines if Self-Pay insurance bypasses IVT rules (false) or appear on the IVT work list (true) Possible values are true and false
AccessString and UserGroup Permissions	Config.LookupEditor.EligibilityMessage	None	Controls access to the EligibilityMessage lookup table.

3. Defects Resolved

Redmine #	Tracker	Subject	Priority
7474	Bug	Insurance Eligibility - Default value for eligibility_intervention_required_flag was incorrect	Normal
7465	Bug	Stored procedure should return indicator that the user is inactive if the parameter IsInactive is passed to it.	Normal
7463	Bug	Insurance Eligibility - order saved with order filler site for eligibility doesn't perform eligibility check.	Normal
7462	Bug	Insurance Eligibility - Self pay amount to collect is not calculating	Normal
7434	Bug	Replacement MRNs for deleted alternate MRNs are visible in patient search results	Normal
7429	Bug	Cannot create internal ID for external patient (linked)	Urgent
7426	Bug	Document distribution jobs created with 'PRINTER NOT FOUND' message do not go to error status.	Normal
7414	Bug	automatically fail distribution jobs that are attached to inactive addresses.	Normal
7413	Bug	inactive referring addresses on active studies	Normal
7396	Bug	EligibilityMessage lookup requires access string	Normal
7388	Bug	IVT - Self pays are falling to the IVT worklist.	Normal
7383	Bug	Mgt Reports - Technologist Activity by Modality - the format of the values in the dropdown for the technologist is not the same as user dropdowns in other reports.	Normal
7377	Feature	Patient folder context menu option on Distribution worklists	Normal
7374	Bug	Indication grids on tech screen do not take mutiple studies into account	High
7361	Bug	Patient Search - search a second time in new appointment window when first patient has patient portals documents	Normal
7355	Bug	Patient Search second time from Walk-in can throw error	Normal
7343	Bug	Unable to add ICD codes to a second addendum	Normal
7341	Bug	CD Burning - Introduce detection of images still uploading	High
7317	Bug	Wedge will only accept a POST message from Mirth with a size less than 2^18 bytes	High

4. Code Stream
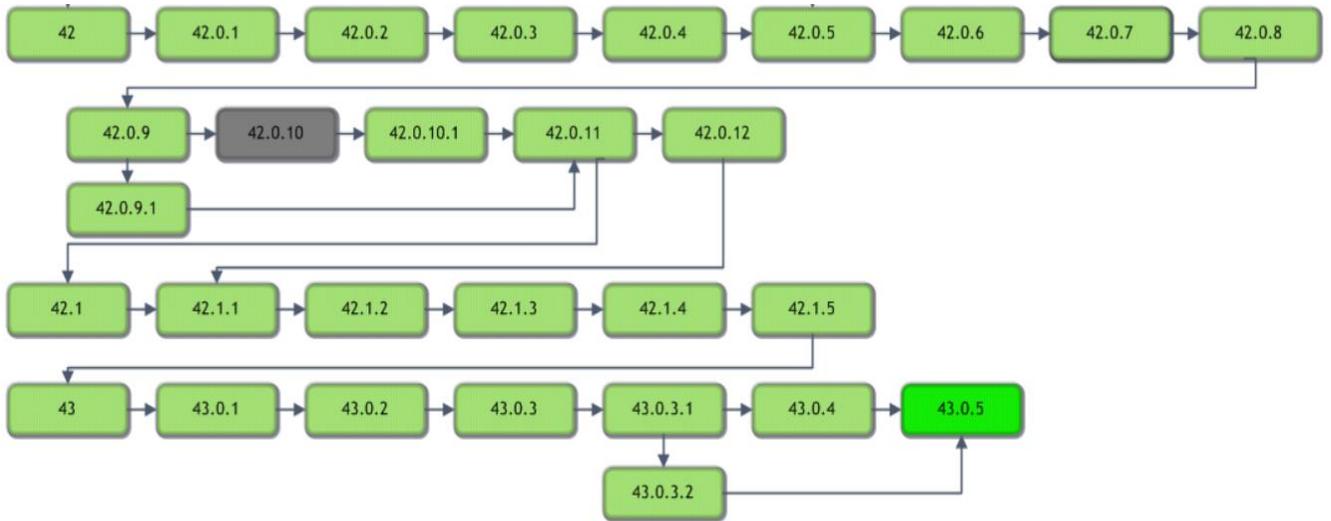
Legend:

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_1.3.43.0.5.24632.zip

2) RIS_Service_Updates contains:

ABCpdf.dll
ABCpdf9-32.dll
ABCpdf9-64.dll
Antlr3.Runtime.dll
CDSJobManager.dll
CDSJobManager.pdb
CdsLib.dll
CdsLib.xml
CdsLib.XmlSerializers.dll
CommonLib.dll
CommonLib.pdb
contents.txt
DDEngine.dll
DDEngine.pdb
DiffPlex.dll
Interop.ANYMODALCAPTURECTRLLib.dll
Interop.FAXCOMEXLib.dll
Microsoft.Practices.EnterpriseLibrary.Caching.dll
Microsoft.Practices.EnterpriseLibrary.Caching.pdb
Microsoft.Practices.EnterpriseLibrary.Common.dll
Microsoft.Practices.EnterpriseLibrary.Common.pdb
Microsoft.Practices.EnterpriseLibrary.Logging.dll
Microsoft.Practices.EnterpriseLibrary.Logging.pdb
Microsoft.Practices.ServiceLocation.dll
Microsoft.Practices.ServiceLocation.pdb
Microsoft.Practices.Unity.dll
Microsoft.Practices.Unity.Interception.dll
Microsoft.Practices.Unity.Interception.pdb
Microsoft.Practices.Unity.pdb
Microsoft.ReportViewer.Common.dll
Microsoft.ReportViewer.WinForms.dll
Microsoft.ReportViewer.WinForms.xml
Newtonsoft.Json.dll
Newtonsoft.Json.xml
NLog.dll
O2S.Components.PDFRender4NET.dll
PDFToImages.exe
Radar.Common.dll
Radar.Common.pdb
Radar.Common.WebClient.dll
Radar.Common.WebClient.pdb
Radar.DirectMessaging.Client.dll
Radar.DirectMessaging.Client.pdb

Radar.DirectMessaging.Model.dll
Radar.DirectMessaging.Model.pdb
rRISServices.exe
rRISServices.pdb
rRISServicesx64.exe
ScheduledTaskManager.dll
ScheduledTaskManager.pdb
ServicesConfigWizard.exe
ServicesConfigWizard.pdb
SignatureApprovalService.exe
SignatureApprovalService.pdb
System.Net.Http.dll
System.Net.Http.Formatting.dll
System.Net.Http.xml
System.Web.Http.dll
System.Web.Http.SelfHost.dll
System.Web.Http.SelfHost.xml
System.Web.Http.WebHost.dll
System.Web.Http.WebHost.xml
System.Web.Http.xml
System.Web.Mvc.dll
System.Web.Mvc.xml
System.Web.Optimization.dll
System.Web.Razor.dll
System.Web.Razor.xml
System.Web.WebPages.Deployment.dll
System.Web.WebPages.Deployment.xml
System.Web.WebPages.dll
System.Web.WebPages.Razor.dll
System.Web.WebPages.Razor.xml
System.Web.WebPages.xml
Tourreau.Gilles.FaxDotNet.dll
Tourreau.Gilles.FaxDotNet.pdb
Tourreau.Gilles.FaxDotNet.xml
WCFService.dll
WCFService.pdb
WCFServiceTests.dll
WCFServiceTests.pdb
WebApi.dll
WebApi.pdb
WebGrease.dll
Wedge.exe
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. <u>Subfolder titled "Stylesheets" which contains:</u>
        - a. CDAToHTMLCompleteReport.xslt
        - b. CDAToHTMLCompleteReportDark.xslt
        - c. CDAToHTMLImpressionSection.xslt
        - d. CDATorRIS.xslt
        - e. CDAToTxt.xslt
        - f. DocumentModelReport.xslt
        - g. DocumentModelReportAsXml.xslt

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

3) SQL Folder contains:
    - B43.0.5.sql

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 43.0.4

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8. eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Notes
42	-	2.42.0.0.21261(3GB)	2.42.0.0.21261	2.42.0.0.21261	2.42.0.0.21187	Full version release
42	1	2.42.0.1.21597	2.42.0.0.21261	2.42.0.1.21597	2.42.0.0.21187	GUI and Web Service updates
42	2	2.42.0.2.21702	2.42.0.0.21261	2.42.0.2.21702	2.42.0.0.21187	GUI and Web Service updates
42	3	2.42.0.2.21806	2.42.0.0.21261	2.42.0.2.21806	2.42.0.0.21187	GUI and Web Service updates
42	4	2.42.0.2.21862	2.42.0.0.21261	2.42.0.2.21806	2.42.0.4.21870	GUI and Database updates
42	5	2.42.0.5.21924	2.42.0.0.21261	2.42.0.2.21806	2.42.0.4.21870	GUI
42	6	2.42.0.5.22009	2.42.0.0.21261	2.42.0.5.22009	2.42.0.4.21870	GUI and Web Service updates
42	7	2.42.0.7.22090	2.42.0.0.21261	2.42.0.6.22009	2.42.0.4.21870	GUI.zip updates
42	8	2.42.0.7.22090	2.42.0.7.22150	2.42.0.6.22009	2.42.0.4.21870	Web Service updates
42	9	2.42.0.9.22203	2.42.0.0.21261	2.42.0.9.22203	2.42.0.4.21870	GUI and Web Service updates
42	9.1	2.42.0.9.22203	2.42.0.0.21261	2.42.0.9.22203	2.42.0.4.21870	Web Service updates
42	10	2.42.0.10.22232	2.42.0.0.21261	2.42.0.9.22203	2.42.0.4.21870	GUI.zip
42	10.1	2.42.0.10.22420	2.42.0.0.21261	2.42.0.9.22203	2.42.0.4.21870	GUI.zip updates
42	11	2.42.0.11.22495a	2.42.0.0.21261	2.42.0.11.22471	2.42.0.11.22527	GUI.zip, Web Service, Database updates. Management Report Deployment
42	12	2.42.0.12.22982	2.42.0.0.21261	2.42.0.12.22982	2.42.0.12.22911	GUI.zip, Web Service, Database updates.
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**

9. Installing

1) Copy and replace the current rRIS…zip file with the rRIS_1.3.43.0.3.24632.zip file provided with this release.
Be sure to make a backup of the ris.exe.config file contained within the current .zip folder.
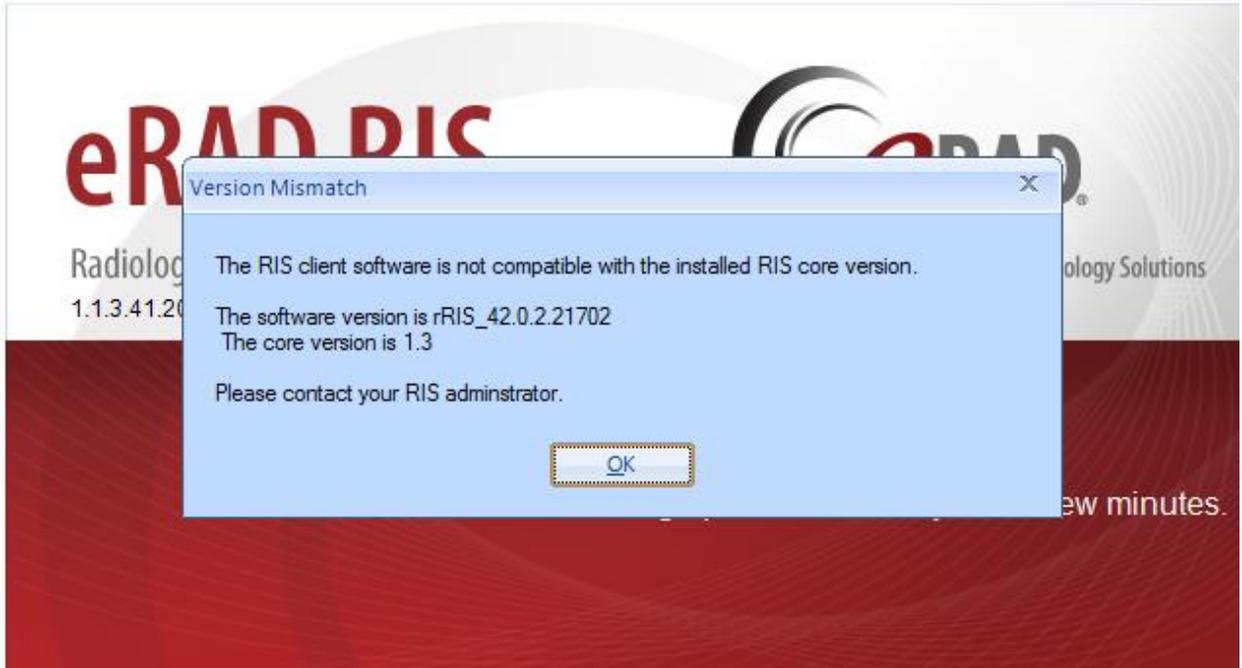
If you receive the Version Mismatch error above the GUI.zip will need to be renamed to add 1.3. to it. The GUI.zip file name change is from rRIS_43.0..3.24632→ rRIS_1.3.43.0.3. 24632
NOTE: the GUI.zip included with this release has already been renamed to include 1.3.

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 B43.0.5.sql file against the eRAD RIS database instance.