

Server Update

For eRAD RIS
Version 2.0
Build 44.5
Update 44.5.2

Table of Contents

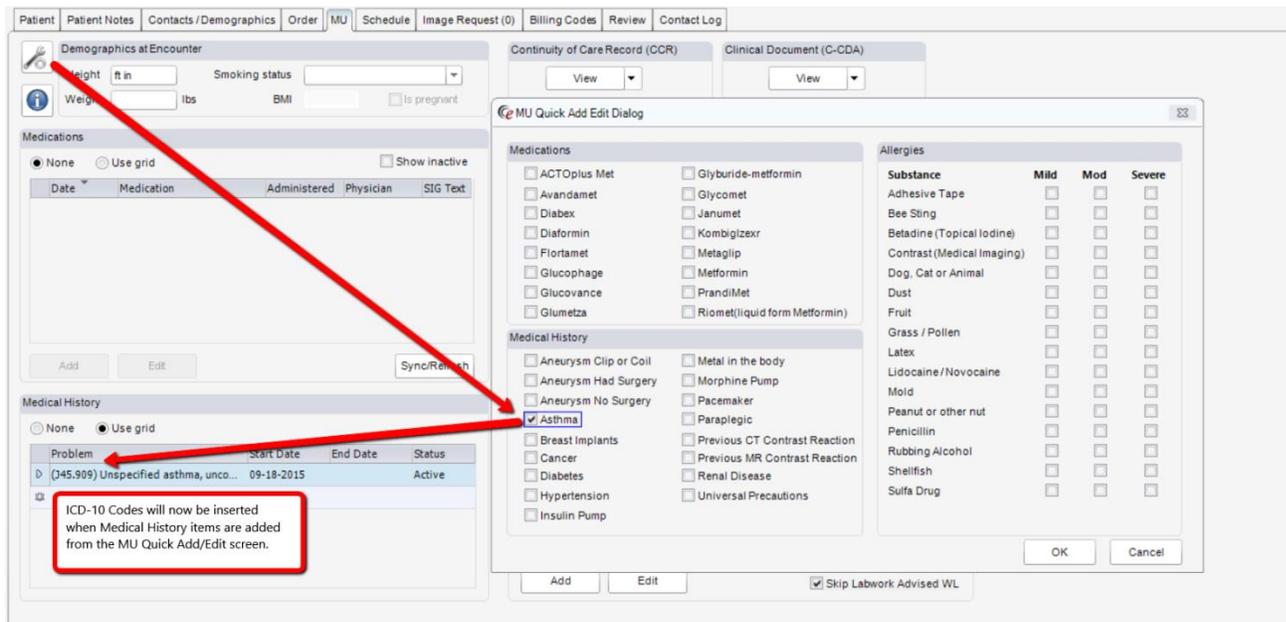
1. Resolved Items.....	3
2. Code Stream.....	4
3. Package Contents.....	5
4. Intended Audience.....	8
5. Who is affected.....	8
6. eRAD RIS Release Version Numbers.....	9
7. Installing.....	10
Client/GUI.....	10
Web Service.....	11
Database Updates.....	15

eRAD RIS Server Update

1. Resolved Items

Please Note:

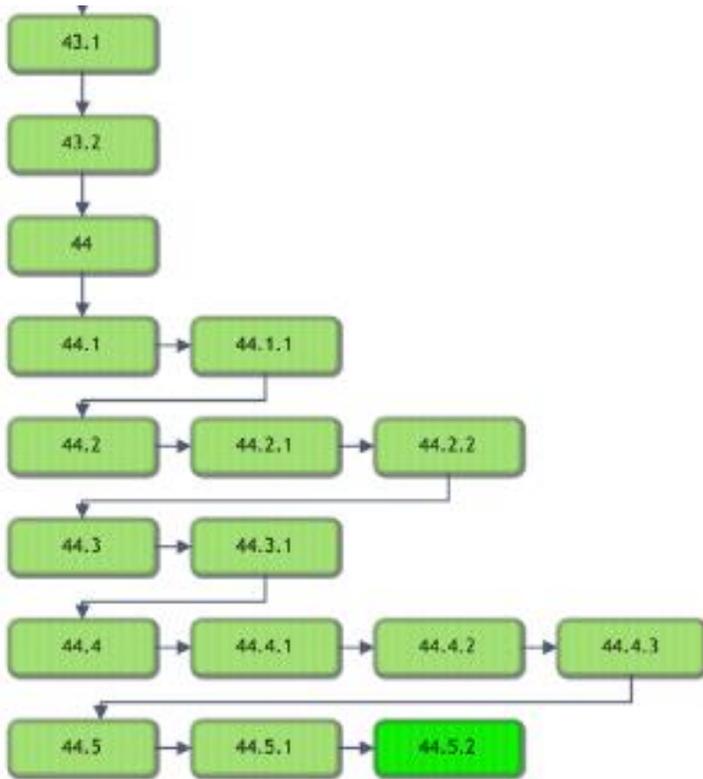
Resolved Items #11581 and #11582 below will impact the functionality of the MU Quick Add/Edit tool. As soon as this update is applied, the MU Quick Add/Edit tool will immediately begin adding any selected Medical History items to the MU grid using ICD-10 codes. This will occur regardless of the ICD-10 Effective Date in the SystemConfiguration settings. As part of the update, a script will convert any existing Medical History that was previously entered for patients using the Quick Add/Edit tool from ICD-9 codes to the equivalent ICD-10 codes. The conversion is based on the CMS General Equivalence Mapping (GEM) table.



Redmine #	Subject	Priority
11636	CCDA to display proper ICD10	Normal
11582	Need to convert historical ICD-9 codes that were added with the Quick Add/Edit tool to ICD-10 codes	Normal
11581	Need the MU Quick Add/Edit tool to begin adding Medical History using ICD-10 codes instead of ICD-9	Normal
9620	MU Quick Add Edit Dialog error when clicking OK - "Column '_problemName' does not belong to table c_patient_problem_list."	Normal

eRAD RIS Server Update

2. Code Stream



Legend:

Light Green = Released software

Gray = Will not be released

Bright Green = Current Release

3. Package Contents

Files included for this server update:

1. **GUI_ZIP_Updates** contains 1 file:

rRIS_1.3.44.5.2.30705

2. **rRISService** folder contains:

- | | |
|---|--|
| 2.1. ABCpdf.dll | 2.43. Radar.Common.WebClient.dll |
| 2.2. ABCpdf9-32.dll | 2.44. Radar.Common.WebClient.pdb |
| 2.3. ABCpdf9-64.dll | 2.45. Radar.DirectMessaging.Client.dll |
| 2.4. Antlr3.Runtime.dll | 2.46. Radar.DirectMessaging.Client.pdb |
| 2.5. CDSJobManager.dll | 2.47. Radar.DirectMessaging.Model.dll |
| 2.6. CDSJobManager.pdb | 2.48. Radar.DirectMessaging.Model.pdb |
| 2.7. CdsLib.dll | 2.49. rRISServices.exe |
| 2.8. CdsLib.xml | 2.50. rRISServices.exe.config |
| 2.9. CdsLib.XmlSerializers.dll | 2.51. rRISServices.pdb |
| 2.10. CommonLib.dll | 2.52. rRISServicesx64.exe |
| 2.11. CommonLib.pdb | 2.53. rRISServicesx64.exe.config |
| 2.12. DDEngine.dll | 2.54. ScheduledTaskManager.dll |
| 2.13. DDEngine.pdb | 2.55. ScheduledTaskManager.pdb |
| 2.14. DiffPlex.dll | 2.56. ServicesConfigWizard.exe |
| 2.15. Interop.FAXCOMEXLib.dll | 2.57. ServicesConfigWizard.pdb |
| 2.16. Microsoft.Practices.EnterpriseLibrary.Caching.dll | 2.58. SignatureApprovalService.exe |
| 2.17. Microsoft.Practices.EnterpriseLibrary.Caching.pdb | 2.59. SignatureApprovalService.pdb |
| 2.18. Microsoft.Practices.EnterpriseLibrary.Common.dll | 2.60. System.Net.Http.dll |
| 2.19. Microsoft.Practices.EnterpriseLibrary.Common.pdb | 2.61. System.Net.Http.Formatting.dll |
| 2.20. Microsoft.Practices.EnterpriseLibrary.Logging.dll | 2.62. System.Web.Http.dll |
| 2.21. Microsoft.Practices.EnterpriseLibrary.Logging.pdb | 2.63. System.Web.Http.SelfHost.dll |
| 2.22. Microsoft.Practices.ServiceLocation.dll | 2.64. System.Web.Http.SelfHost.xml |
| 2.23. Microsoft.Practices.ServiceLocation.pdb | 2.65. System.Web.Http.WebHost.dll |
| 2.24. Microsoft.Practices.Unity.dll | 2.66. System.Web.Http.WebHost.xml |
| 2.25. Microsoft.Practices.Unity.Interception.dll | 2.67. System.Web.Http.xml |
| 2.26. Microsoft.Practices.Unity.Interception.pdb | 2.68. System.Web.Mvc.dll |
| 2.27. Microsoft.Practices.Unity.pdb | 2.69. System.Web.Mvc.xml |
| 2.28. Microsoft.ReportViewer.Common.dll | 2.70. System.Web.Optimization.dll |
| 2.29. Microsoft.ReportViewer.WinForms.dll | 2.71. System.Web.Razor.dll |
| 2.30. Microsoft.ReportViewer.WinForms.xml | 2.72. System.Web.Razor.xml |
| 2.31. Newtonsoft.Json.dll | 2.73. System.Web.WebPages.Deployment.dll |
| 2.32. Newtonsoft.Json.xml | 2.74. System.Web.WebPages.Deployment.xml |
| 2.33. NLog.dll | 2.75. System.Web.WebPages.dll |
| 2.34. O2S.Components.PDFRender4NET.dll | 2.76. System.Web.WebPages.Razor.dll |
| 2.35. PdfSharp.dll | 2.77. System.Web.WebPages.Razor.xml |
| 2.36. PDFToImages.exe | 2.78. System.Web.WebPages.xml |
| 2.37. Radar.Api.Client.dll | 2.79. Tourreau.Gilles.FaxDotNet.dll |
| 2.38. Radar.Api.Client.pdb | 2.80. Tourreau.Gilles.FaxDotNet.pdb |
| 2.39. Radar.Api.Model.dll | 2.81. Tourreau.Gilles.FaxDotNet.xml |
| 2.40. Radar.Api.Model.pdb | 2.82. WCFService.dll |
| 2.41. Radar.Common.dll | 2.83. WCFService.pdb |
| 2.42. Radar.Common.pdb | 2.84. WCFServiceTests.dll |

eRAD RIS Server Update

2.85. WCFServiceTests.pdb
2.86. WebApi.dll
2.87. WebApi.pdb

2.88. WebGrease.dll
2.89. Wedge.exe
2.90. Wedge.pdb

2.1.1 **XSL** folder contains:

2.1.1.1. **Stylesheets** folder contains:

- A. CDAToHTMLCompleteReport.xslt
- B. CDAToHTMLCompleteReportDark.xslt
- C. CDAToHTMLImpressionSection.xslt
- D. CDAToRIS.xslt
- E. CDAToTxt.xslt
- F. DocumentModelReport.xslt
- G. DocumentModelReportAsXml.xslt
- H. **CDA** folder contains:
 - i. C-CDA.xsl
 - ii. eRadStylesheet.xsl
 - iii. generalTemplates.xsl
 - iv. header.xsl
 - v. QRDA.xsl
 - vi. QrdaLevel3_Cypress2.4.0.xsl
 - vii. QrdaLevel3_ViewHtml.xsl
 - viii. sectionAdministeredMedications.xsl
 - ix. sectionAllergies.xsl
 - x. sectionEncounters.xsl
 - xi. sectionFindings.xsl
 - xii. sectionFuncCogStatus.xsl
 - xiii. sectionImmunizations.xsl
 - xiv. sectionInstructions.xsl
 - xv. sectionMedications.xsl
 - xvi. sectionPlanOfCare.xsl
 - xvii. sectionProblemList.xsl
 - xviii. sectionProcedures.xsl
 - xix. sectionQRDAMEasures.xsl
 - xx. sectionQRDAPatientData.xsl
 - xxi. sectionQRDAREporting.xsl
 - xxii. sectionReasonForVisit.xsl
 - xxiii. sectionResults.xsl
 - xxiv. sectionSocialHistory.xsl
 - xxv. sectionVitalSigns.xsl

2.1.2 **Deploy** folder contains 3 files:

- 2.1.2.1. applicationsettings.config
- 2.1.2.2. releaseVersion-connectionstrings.config
- 2.1.2.3. services.config

3. **DB** folder contains 3 subfolders and 1 .txt file:

3.1.1. Common folder contains MU folder and 2 .sql files

- 3.1.1.1. RISMaintenanceJobs.sql
- 3.1.1.2. rRISCoreData.sql
- 3.1.1.3. MU Folder contains 1 sub folder, 1 batch file, 1 .sql file and 1 text file
 - 3.1.1.3.1. ImportDataFileUpgradeDB.bat
 - 3.1.1.3.2. ImportDataFileUpgradeDB.sql
 - 3.1.1.3.3. MUreadme.txt
 - 3.1.1.3.4. Scripts folder contains 9 files
 - 3.1.1.3.4.1. 5-digit Commercial.csv
 - 3.1.1.3.4.2. ICD9CM_SNOMED_MAP_1TO1_201312.txt
 - 3.1.1.3.4.3. ICD9CM_SNOMED_MAP_1TOM_201312.txt
 - 3.1.1.3.4.4. l_hl7_voc_value_code.txt
 - 3.1.1.3.4.5. l_hl7_voc_value_set.txt

eRAD RIS Server Update

- 3.1.1.3.4.6. s_mu_code.txt
- 3.1.1.3.4.7. sct2_Concept_Snapshot_US1000124_20140301.txt
- 3.1.1.3.4.8. sct2_Description_Snapshot-en_US1000124_20140301.txt
- 3.1.1.3.4.9. xder2_iissccRefset_ExtendedMapSnapshot_US1000124_20131220.txt

NOTE: 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.

3.2. **NewInstall** folder contains 4 files

- 3.2.1. B44.0 Base Build.sql
- 3.2.2. Create rRIS User.sql
- 3.2.3. CreateDB.sql
- 3.2.4. LoadDefaultConfiguration.sql

3.3. **Upgrade** folder contains 2 subfolders and 1 batch file

- 3.3.1. RunUpgrade.bat
- 3.3.2. **Log** folder is empty
- 3.3.3. **Scripts** folder contains: 40 files
 - 3.3.3.1. _executeSQL.bat
 - 3.3.3.2. _getCurrentVersion.sql
 - 3.3.3.3. _run_scripts.bat
 - 3.3.3.4. B43.0.1.sql
 - 3.3.3.5. B43.0.12.sql
 - 3.3.3.6. b43.0.12_to_b43.1.0_Schema_Upgrade.sql
 - 3.3.3.7. B43.0.2.sql
 - 3.3.3.8. B43.0.3.0.sql
 - 3.3.3.9. B43.0.3.1.sql
 - 3.3.3.10. B43.0.3.2.sql
 - 3.3.3.11. B43.0.4.sql
 - 3.3.3.12. B43.0.5.sql
 - 3.3.3.13. B43.0.6.sql
 - 3.3.3.14. B43.0.7.sql
 - 3.3.3.15. B43.0.8.sql
 - 3.3.3.16. B43.1.0.sql
 - 3.3.3.17. B44.0.0.25942.sql
 - 3.3.3.18. B44.0.0.25974.sql
 - 3.3.3.19. B44.0.0.26019.sql
 - 3.3.3.20. B44.0.0.26037.sql
 - 3.3.3.21. B44.0.0.26158.sql
 - 3.3.3.22. B44.0.0.26207.sql
 - 3.3.3.23. B44.0.0.26321.sql
 - 3.3.3.24. B44.0.0.26384.sql
 - 3.3.3.25. B44.0.0.26412.sql
 - 3.3.3.26. B44.0.0.26475.sql
 - 3.3.3.27. B44.1.0.26906.sql
 - 3.3.3.28. B44.1.0.27145.sql
 - 3.3.3.29. B44.2.0.27365.sql
 - 3.3.3.30. B44.2.1.27909.sql
 - 3.3.3.31. B44.3.0.28076.sql
 - 3.3.3.32. B44.3.0.28111.sql
 - 3.3.3.33. B44.3.0.28127.sql
 - 3.3.3.34. B44.3.0.28138.sql
 - 3.3.3.35. B44.4.0.28609.sql
 - 3.3.3.36. B44.4.0.28676.sql
 - 3.3.3.37. B44.5.0.29775.sql
 - 3.3.3.38. B44.5.0.29835.sql
 - 3.3.3.39. B44.5.0.29935.sql
 - 3.3.3.40. B44.5.0.29976.sql
 - 3.3.3.41. B44.5.1.30449.sql
 - 3.3.3.42. B44.5.2.30554.sql

eRAD RIS Server Update

4. Intended Audience

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

5. Who is affected

Build 44.5 installs. This server update must be applied to 44.5

eRAD RIS Server Update

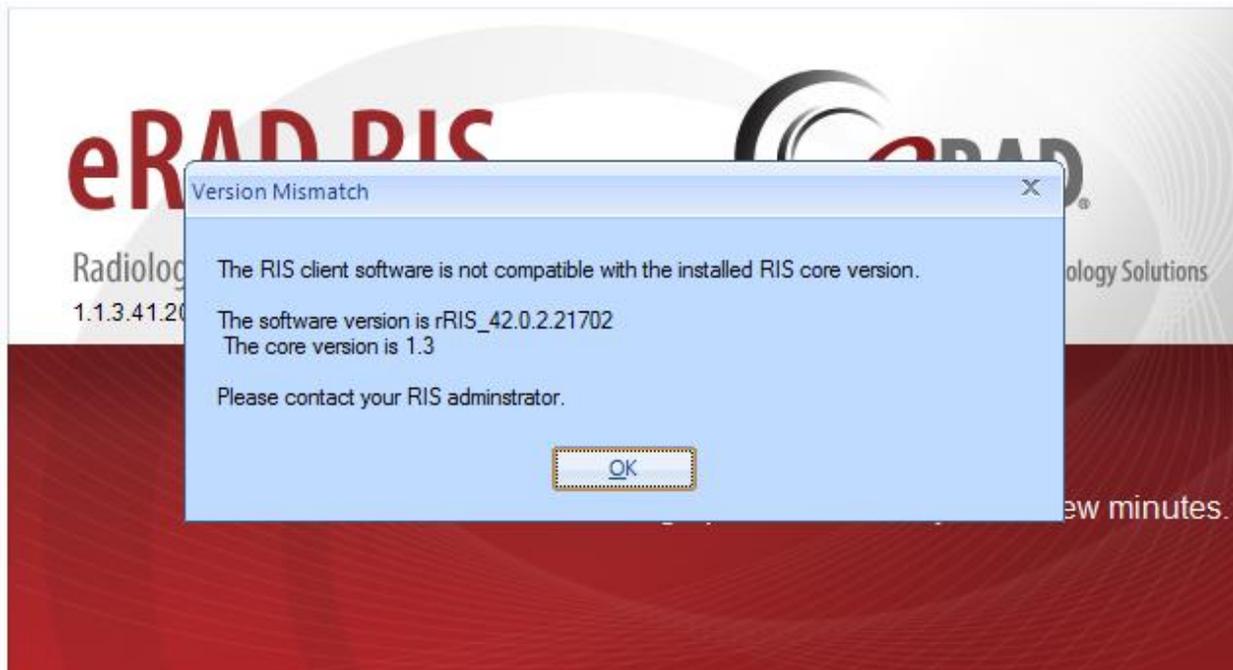
6. eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Notes
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	2.43.0.4.24632(3GB)	2.43.0.0.23171	2.43.0.4.24632	2.43.0.4.24560	GUI.zip, Web Service and DB updates
43	6	2.43.0.4.24(3GB)	2.43.0.0.23171	2.43.0.4.24	2.43.0.4.24	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
43	9	2.43.0.9.25477(3GB)	2.43.0.0.23171	2.43.0.9.25477	2.43.0.8.25425	GUI.zip and Web Service
43	10	2.43.0.9.25477(3GB)	2.43.0.0.23171	2.43.0.10.25477	2.43.0.8.25425	Web Service
43	11	2.43.0.11.25512(3GB)	2.43.0.0.23171	2.43.0.11.25512	2.43.0.8.25425	GUI.zip and Web Service
43	12	2.43.0.12.25554(3GB)	2.43.0.0.23171	2.43.0.12.25554	2.43.0.12.25536	GUI.zip Web Service and DB Updates
43	13	2.43.0.12.25610(3GB)	2.43.0.0.23171	2.43.0.12.25610	2.43.0.12.25536	GUI.zip and Web Service
43	14	2.43.0.14.25644(3GB)	2.43.0.0.23171	2.43.0.13.25610	2.43.0.12.25536	GUI.zip
43.1	-	2.43.1.0.25850(3GB)	2.43.0.0.23171	2.43.1.0.25850	2.43.1.0.25771	GUI.zip Web Service and DB Updates
43.2	-	2.43.2.0.26864(3GB)	2.43.0.0.23171	2.43.2.0.26864	2.43.1.0.25771	GUI.zip and Web Service
44	-	2.44.0.0.26570(3GB)	2.44.0.0.26405	2.44.0.0.26570	2.44.0.0.26475	Full Version Release
44.1	-	2.44.0.0.26984(3GB)	2.44.0.0.26405	2.44.0.0.26984	2.44.0.0.26906	Gui.zip, Web Service, and DB
44.1	1	2.44.1.1.27093(3GB)	2.44.0.0.26405	2.44.1.0.26984	2.44.1.0.26906	Gui.zip
44.2		2.44.2.0.27410(3GB)	2.44.0.0.26405	2.44.2.0.27410	2.44.2.0.27365	Gui.zip, Web Service, and DB
44.2	1	2.44.2.1.27959(3GB)	2.44.0.0.26405	2.44.2.1.27959	2.44.2.1.27909	Gui.zip, Web Service, and DB
44.2	2	2.44.2.1.27959(3GB)	2.44.0.0.26405	2.44.2.2.28094	2.44.2.1.27909	Web Service
44.3	-	2.44.3.0.28292	2.44.0.0.26405	2.44.3.0.28277	2.44.3.0.28138	Gui.zip, Web Service, and DB
44.3	1	2.44.3.1.28535(3GB)	2.44.0.0.26405	2.44.3.1.28535	2.44.3.0.28138	Gui.zip and Web Service
44.4	-	2.44.4.0.28762(3GB)	2.44.0.0.26405	2.44.4.0.28762	2.44.4.0.28676	Gui.zip, Web Server, DB, Management Report Deployment
44.4	1	2.44.4.1.28953(3GB)	2.44.0.0.26405	2.44.4.1.28953	2.44.4.0.28676	Gui.zip and Web Service
44.4	2	2.44.4.2.29327(3GB)	2.44.0.0.26405	2.44.4.2.29327	2.44.4.0.28676	Gui.zip and Web Service
44.4	3	2.44.4.2.29722(3GB)	2.44.0.0.26405	2.44.4.2.29327	2.44.4.0.28676	Gui.zip and Web Service
44.5	-	2.44.5.0.30022(3GB)	2.44.0.0.26405	2.44.5.0.30022	2.44.5.0.29976	Gui.zip, Web Server, DB
44.5	1	2.44.5.1.30451(3GB)	2.44.0.0.26405	2.44.5.1.30451	2.44.5.1.30449	Gui.zip, Web Server, DB
44.5	2	2.44.5.2.30705(3GB)	2.44.0.0.26405	2.44.5.1.30705	2.44.5.1.30554	Gui.zip, Web Server, DB

7. Installing

Client/GUI

- 1) Copy and replace the current rRIS...zip file with the rRIS_1.3.44.5.2.30705.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_44.5.2.30705 → rRIS_1.3.44.5.2.30705

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)

eRAD RIS Server Update

Web Service

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 88 files in the rRISService folder and 2 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).

Services Configuration Wizard

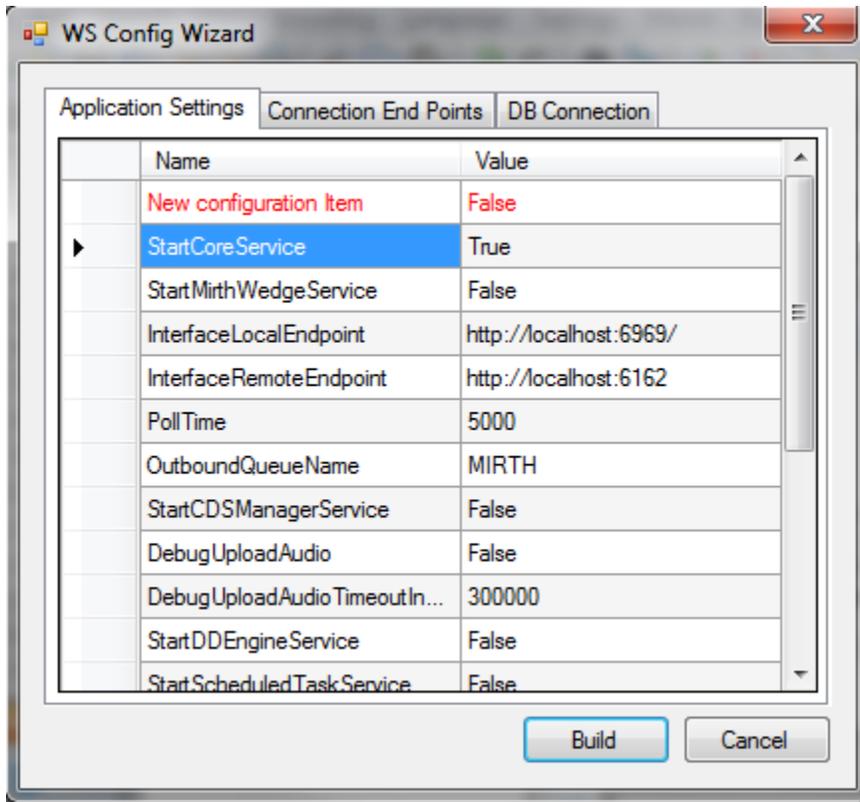
With the release of 42 to decrease the chance of losing configuration setting and missing new configuration options, we will no longer include the configuration files in the release in the main set of files, but they will now exist in a “deploy” folder, which will contain the three site configurable config files; applicationsettings, connectionstrings, 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.

NOTE: the rRISServices.exe.config file is also included in the deploy folder. If this file has changes it **will not** update your current file in the Web Service directory. Any changes to this file will require a manual update of the rRISServices.exe.config and rRISServicesx64.exe.config files.

eRAD RIS Server Update



eRAD RIS Server Update

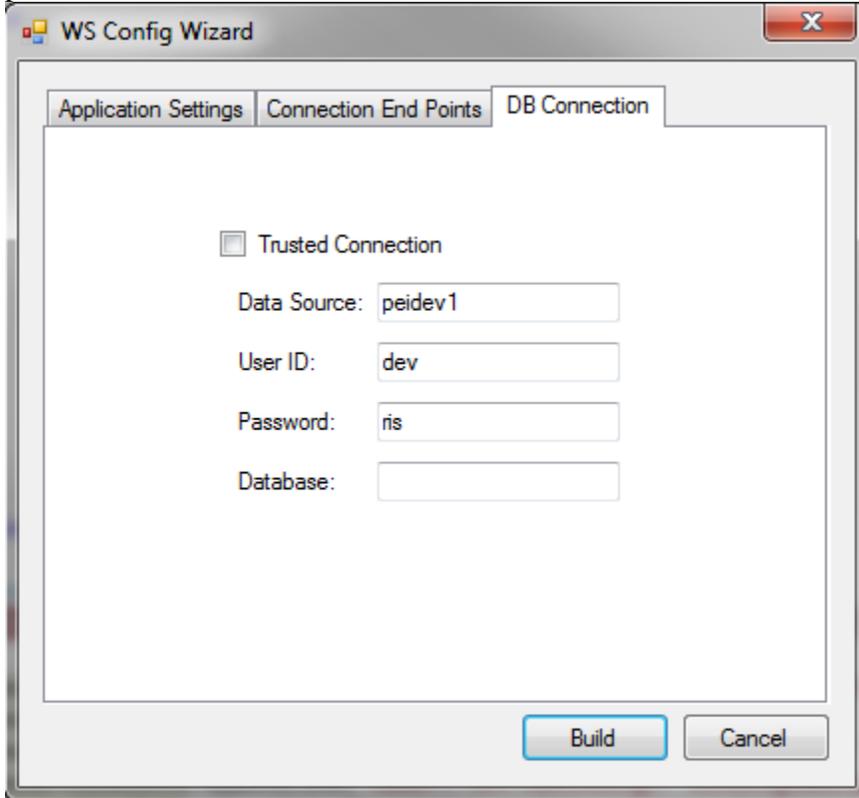
Connection End Points: will display the existing configuration, if the value is left blank then that entry will not be created, in the case of “Study Service” or “CDS Service” if both http and net.tcp were not provided then that endpoint will not be created at all.

The screenshot shows a 'WS Config Wizard' dialog box with the 'Connection End Points' tab selected. The dialog is divided into three sections: 'Study Service', 'Notify Service', and 'CDS Service'. Each section contains two rows of configuration fields. The 'Study Service' section has 'http://' with 'localhost:8040' and '/rRIS/' and 'net.tcp://' with 'localhost:8041' and '/rRIS/'. The 'Notify Service' section has 'net.tcp://' with 'localhost:7095' and '/rRIS/'. The 'CDS Service' section has 'http://' with 'localhost:7092' and '/rRIS/' and 'net.tcp://' with 'localhost:7093' and '/rRIS/'. At the bottom of the dialog are 'Build' and 'Cancel' buttons.

Service	Protocol	Host:Port	Path
Study Service	http://	localhost:8040	/rRIS/
	net.tcp://	localhost:8041	/rRIS/
Notify Service	net.tcp://	localhost:7095	/rRIS/
CDS Service	http://	localhost:7092	/rRIS/
	net.tcp://	localhost:7093	/rRIS/

eRAD RIS Server Update

DB Connection: will display the existing configuration, if the Connection is to be used as a trusted connection, then the user ID and password will become disabled and will not be used, and will rely on the provided database value, When not using the trusted connection, The Database value is not needed but can be used to force a specific database connection as long as the provided user has access to that database.



It is always good practice to do a compare of the .config files.

- 1) Stop each service listed below. Copy the files from the RIS Service Updates folder to the directory for each rRISService.

rRISService directories include:

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

Restart each service.

eRAD RIS Server Update

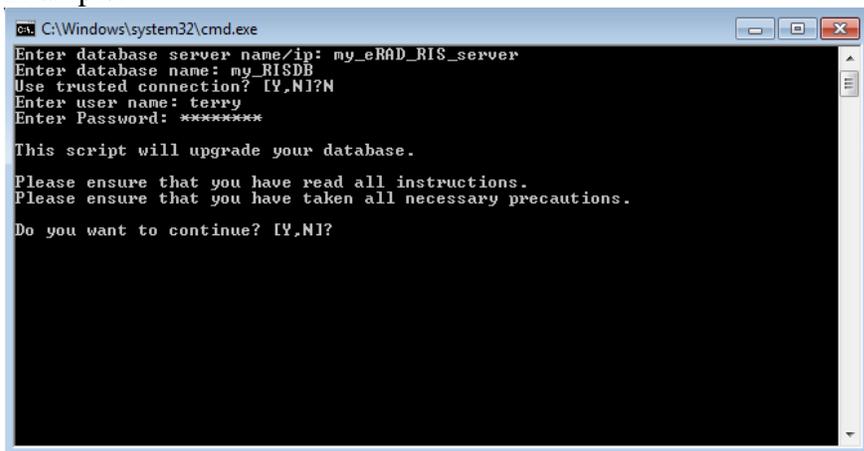
Database Updates

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.
- 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:



```
C:\Windows\system32\cmd.exe
Enter database server name/ip: my_eRAD_RIS_server
Enter database name: my_RISDB
Use trusted connection? [Y,N]?N
Enter user name: ferryy
Enter Password: *****

This script will upgrade your database.

Please ensure that you have read all instructions.
Please ensure that you have taken all necessary precautions.

Do you want to continue? [Y,N]?
```

- 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
- 6) In the Common folder there is a subfolder of MU. The MU folder contains updates to lookups relevant for MU as well as updates for Zip Code table to add the County. Copy the

eRAD RIS Server Update

MU folder to the database server before running the batch file. There is a readme file contained in the MU folder. The details have also been included below

- a) The mu bulk install process must be run from a path on the database server!
 - b) Copy Files ImportDataFileUpgradeDB.bat and ImportDataFileUpgradeDB.sql from upgrade folder to a location on the database server(This location will be referred to as the "Script Folder Path".)
 - c) Copy Folder scripts and Source files from the upgrade folder to "Script Folder Path"Note source files must be inside the scripts folder
 - d) Run bat file
 - i) Enter Script Folder path [C:\Temp\SNOMED]:
 - ii) Enter database server name/ip: [ie peidev1]
 - iii) Enter database name: [ie rRIS_MU]
 - iv) Use a trusted connection to log on to SQL Server:
"N" means you will have to enter db [username] [password]
"Y" means you have a trusted connection and will not have to enter [username][password]
 - v) Do you wish to load SNOMED concept codes?
"N" no files will be loaded into the l_snomed_concept table
"Y" yes means l_snomed_concept table will be truncated and reloaded with the latest US concept codes
Source File [sct2_Concept_Snapshot_US1000124_20140301.txt]
 - vi) Do you wish to load SNOMED descriptions codes?
"N" no files will be loaded into the l_snomed_description table
"Y" yes means the l_snomed_description table will be truncated and reloaded with the latest US description codes
Source File [sct2_Description_Snapshot-en_US1000124_20140301.txt]
 - vii) Do you wish to load ICD9 to SNOMED mappings codes?
"N" no files will be loaded into the l_snomed_icd9_map table
"Y" yes means the l_snomed_icd9_map table will be truncated and reloaded with the latest US ICD9 to SNOMED mapping codes
Source File [ICD9CM_SNOMED_MAP_1TO1_201312.txt and ICD9CM_SNOMED_MAP_1TOM_201312.txt]
 - viii) Do you wish to load ICD10 to SNOMED mappings codes?
"N" no files will be loaded into the l_snomed_icd10_map table
"Y" yes means the l_snomed_icd10_map table will be truncated and reloaded with the latest US ICD10 to SNOMED mapping codes
Source File [xder2_iisssccRefset_ExtendedMapSnapshot_US1000124_20131220.txt]
 - ix) Do you wish to load US zip codes?
"N" no files will be loaded into the z_zipCodesWithCounty table
"Y" yes means the z_zipCodesWithCounty table will be truncated and reloaded with the latest US zip codes
Source File [5-digit Commercial.csv]
-

eRAD RIS Server Update

Note: the following files should be loaded once only with B43!

x) Do you wish to load CMS codes?

"N" no files will be loaded into the s_mu_code table

"Y" yes means the s_mu_code table will be truncated and reloaded with the latest CMS codes

Source File [s_mu_code.txt]

xi) Do you wish to load HL7 support sets for CCDA?

"N" no files will be loaded into the l_hl7v3_voc_value_set table

"Y" yes means the l_hl7v3_voc_value_set table will be truncated and reloaded with the latest hl7v3_voc_value_set codes

Source File [l_hl7_voc_value_set.txt]

xii) Do you wish to load HL7 support codes for CCDA?

"N" no files will be loaded into the l_hl7v3_voc_value_code table

"Y" yes means the l_hl7v3_voc_value_code table will be truncated and reloaded with the latest l_hl7v3_voc_value_code codes

Source File [l_hl7_voc_value_code.txt]