Server Update

For eRAD RIS
Version 2.0
Build 2.2016.2
Update 2.2016.2.2

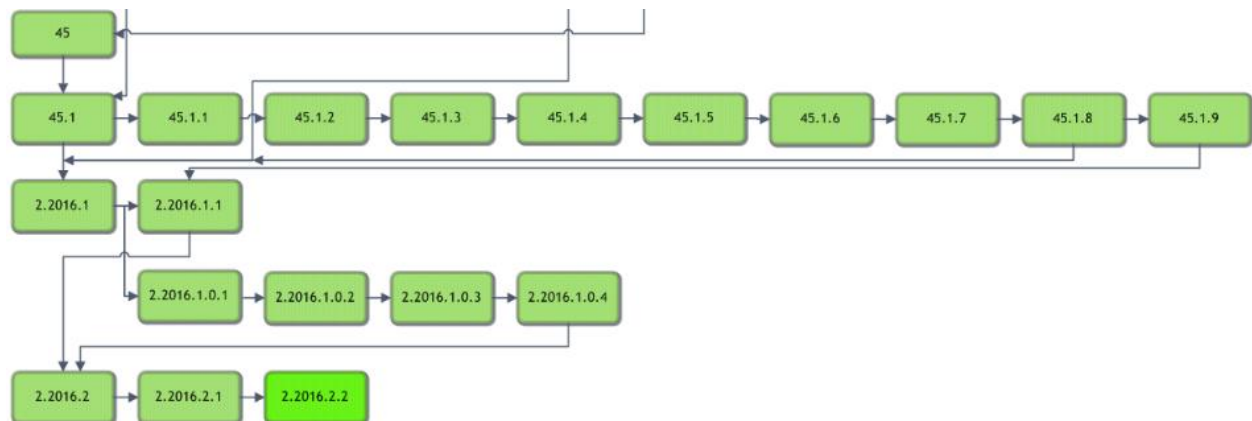**eRAD RIS Server Update**

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eRAD RIS Server Update

Resolved Items

Redmine #	Subject
14054	A query scan documents is significantly increasing CPU time on DB
14046	Insurance Eligibility - IsInsuranceUsingEligbleAPI null reference error
14031	Saved study data is not displaying on several controls and screens (BI-RADS, Exam Summary, Mammo Drawing)
14026	Carestream PACS integration is not closing studies
14078	Adding a new practice causes site(s) from existing practice to be moved
14085	PACS over Citrix - RIS Crashes when you attempt to open images from mini patient folder in dictation window

Code Stream

Legend:

Light Green = Previously Released software

Bright Green = Current Release

Package Contents

_Documentation	06/23/2016 11:10 AM
_ReleaseNotes	03/26/2012 11:02 AM
DB	06/23/2016 11:07 AM
PACS Citrix Bridge	06/23/2016 11:09 AM
ThickClient	06/23/2016 11:04 AM
RISServerMasterCert.pfx	03/31/2016 1:38 PM

Intended Audience

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

Who is affected

Build 2016.2 installs. This server update must be applied to 2016.2

eRAD RIS Server Update

eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Notes
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	2.44.2.3.0.28138	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, SSRS 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
45	-	2.45.0.0.29559(3GB)	2.45.0.0.26107	2.45.0.0.29559	2.45.0.0.29558	Full Version Release
45.1	-	2.45.1.0.30774(3GB)	2.45.0.0.26107	2.45.1.0.30774	2.45.1.0.30738	Gui.zip, Web Service, DB, SQLReporting, Questionnaire, Citrix support
45.1	1	2.45.1.1.31175(3GB)	2.45.0.0.26107	2.45.1.1.31175	2.45.1.1.31174	Gui.zip, Web Service, DB, SQLReporting, Questionnaire
45.1	2	2.45.1.1.31175(3GB)	2.45.0.0.26107	2.45.1.2.31378	2.45.1.1.31174	Web Service and Citrix Bridge
45.1	3	2.45.1.3.31452(3GB)	2.45.0.0.26107	2.45.1.3.31452	2.45.1.3.31369	GUI.zip, Web Service, DB, Questionnaire and Citrix Bridge
45.1	4	2.45.1.4.31621(3GB)	2.45.0.0.26107	2.45.1.4.31621	2.45.1.4.31599	GUI.zip, Web Service, DB, Questionnaire and Citrix Bridge
45.1	5	2.45.1.5.31773(3GB)	2.45.0.0.26107	2.45.1.5.31773	2.45.1.5.31771	GUI.zip, Web Service, DB, Questionnaire
45.1	6	2.45.1.6.32070(3GB)	2.45.0.0.26107	2.45.1.6.32070	2.45.1.6.31936	GUI.zip, Web Service, DB, Questionnaire, Citrix Bridge
45.1	7	2.45.1.6.32070(3GB)	2.45.0.0.26107	2.45.1.6.32070	2.45.1.6.31936	Web Service for Wedge only. Version number of Wedge is 45.1.6.32614
45.1	8	2.45.1.8.33254(3GB)	2.45.0.0.26107	2.45.1.6.32070	2.45.1.6.31936	GUI.zip
45.1	9	2.45.1.9.33573(3GB)	2.45.0.0.26107	2.45.1.6.32070	2.45.1.6.31936	GUI.zip
2016.1	-	2.16.1.0.33419 (3GB)	2.16.1.0.33079	2.16.1.0.33419	2.16.1.0.33416	GUI.zip, Web Service, DB, Management Reports, Questionnaire and Citrix Bridge
2016.1	1	2.16.1.1.33672 (3GB)	2.16.1.0.33079	2.16.1.0.33419	2.16.1.0.33416	GUI.zip
2016.1	.0.1	2.16.1.0.1 (3GB)	2.16.1.0.33079	2.16.1.0.33419	2.16.1.0.33416	GUI.zip (This is not included in 2016.1.1, version directly above)
2016.1	.0.2	2.16.1.0.1 (3GB)	2.16.1.0.33079	2.16.1.0.2	2.16.1.0.33416	Wedge Web Services only
2016.1	.0.3	2.16.1.0.3 (3GB)	2.16.1.0.33079	2.16.1.0.3	2.16.1.0.3.00128918	GUI.zip, Web Services and DB
2016.1	.0.4	2.16.1.0.4 (3GB)	2.16.1.0.33079	2.16.1.0.4	2.16.1.0.3.00128918	GUI.zip, Web Services
2016.2	-	2.16.2.0 (3GB)	2.16.2.0	2.16.2.0	2.16.2.0.00172540	Full Version Release - GUI.zip, Web Service, DB, Management Reports, Questionnaire and Citrix Bridge
2016.2	1	2.16.2.1 (3GB)	2.16.2.0	2.16.2.0	2.16.2.0.00172540	GUI.zip and Citrix Bridge
2016.2	**2**	**2.16.2.2 (3GB)**	**2.16.2.0**	**2.16.2.0**	**2.16.2.2.00243102**	**GUI.zip, DB and Citrix Bridge**

eRAD RIS Server Update

Installing

Client/GUI

1) Copy and replace the current rRIS…zip file with the eRAD_rRIS_2016.2.2.zip file provided with this release.
   Be sure to make a backup of the ris.exe.config file contained within the current .zip folder.
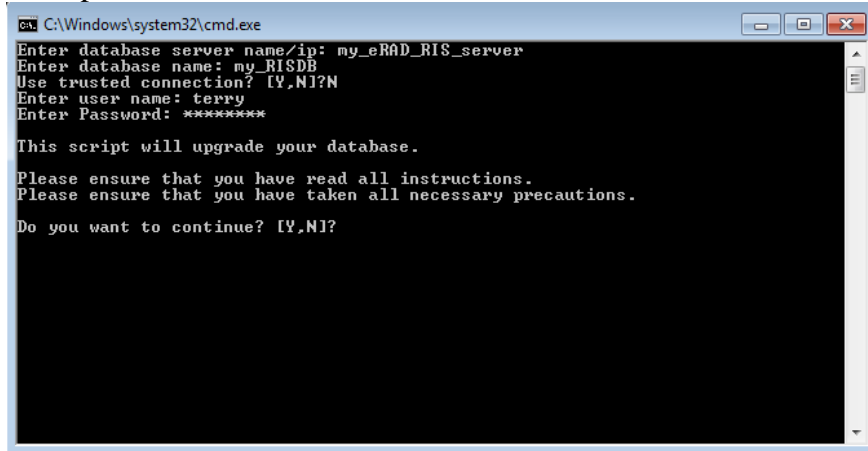
Database Updates

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: terry
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 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]

****
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]

Citrix Bridge Installer
Copy and replace the eRAD RIS Citrix Bridge Installer.exe. Run the Installer on each workstation that will be using Citrix Bridge.