

Server Update

For eRAD RIS
Version 1.0
Build 40
Update 40.010

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1. New Features

64 Bit Web Service

This server update includes new web service files for the Core RIS service, allowing it to utilize more of the server memory that 32 bit will not allow.

Included are 2 new files.

- rRISServicesx64.exe
- rRISServicesx64.exe.config

The 64 bit version is only to be used for the Core RIS Service. The CDS / SAPS, DD Engine, and Wedge services will continue to use the 32 bit version (rRISServices.exe).

For information on installing the 64 bit service for the Core RIS Service see section 6 of this document.

2. Defects Resolved

Redmine #	Subject	Priority
1899	outofmemory exceptions logged on ris services server	Urgent

2. Package Contents

Files included for this server update:

- 1) GUI ZIP Updates folder contains
 - a) rRIS_1.3.40.17435.zip

- 2) RIS Service Updates folder contains
 - a) CDSJobManager.dll
 - b) CDSJobManager.pdb
 - c) CommonLib.dll
 - d) CommonLib.pdb
 - e) DDEngine.dll
 - f) DDEngine.pdb
 - g) rRISServices.exe
 - h) rRISServices.exe.config**
 - i) rRISServices.pdb
 - j) rRISServicesx64.exe**
 - k) rRISServicesx64.exe.config**
 - l) rRISServices.vshost.exe
 - m) ScheduledTaskManager.dll
 - n) ScheduledTaskManager.pdb
 - o) SignatureApprovalService.exe
 - p) SignatureApprovalService.pdb
 - q) WCFService.dll
 - r) WCFService.pdb
 - s) WebApi.dll
 - t) WebApi.pdb
 - u) Wedge.exe
 - v) Wedge.pdb

3. Intended Audience

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

4. Who is affected

Build 40 installs. This server update must be applied directly to the build 40 core install. Server updates are not cumulative. Any previous server updates must be applied before this one.

5. eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Notes
37	-	1.2.37.12843	1.2.37.12782	1.2.37.12843	1.2.37.12843	Full version release
37	1	1.2.37.13040	1.2.37.13040	1.2.37.13039	1.2.37.13003	Core install, GUI.zip, web service and database updates
37	2	1.2.37.13069	1.2.37.13040	1.2.37.13069	1.2.37.13003	GUI.zip and Web service updates
37	3	1.2.37.13069	1.2.37.13040	1.2.37.13069	1.2.37.13003	WebAPI updated, no version changes
37	4	1.2.37.13171	1.2.37.13040	1.2.37.13165	1.2.37.13171	GUI.zip, web service, and database updates
37	5	1.2.37.13347	1.2.37.13040	1.2.37.12979	1.2.37.12979	Bug was discovered with version numbers, this is why it appears we went backwards in the version number but we did not.
37	6	1.2.37.13665	1.2.37.13040	1.2.37.13580	1.2.37.12979	GUI.zip and Web service updates
37	7	1.2.37.13807	1.2.37.13040	1.2.37.13799	1.2.37.13807	GUI.zip and Web service updates. Also MIRTH mapping changes
37	8	1.2.37.13807	1.2.37.13040	1.2.37.13827	1.2.37.13807	Web service update
37	9	1.2.37.13807	1.2.37.13040	1.2.37.13839	1.2.37.13807	Web service update
37	10	1.2.37.13895	1.2.37.13040	1.2.37.13895	1.2.37.13895	GUI.zip, Web service and database updates
37	11	1.2.37.14161	1.2.37.13040	1.2.37.14161	1.2.37.14161	GUI.zip, Web service, database updates and SQL Management reporting
37	12	1.2.37.14267	1.2.37.13040	1.2.37.14161	1.2.37.14267	GUI.zip, Web service and database updates
37	13	1.2.37.14326	1.2.37.13040	1.2.37.14326	1.2.37.14326	GUI.zip, Web service and database updates
38	-	1.2.38.14486	1.2.38.14486	1.2.38.14486	1.2.38.14486	Full version release
38	1	1.2.38.14748	1.2.38.14748	1.2.38.14748	1.2.38.14748	Core install required
38	2	1.2.38.15182	1.2.38.14748	1.2.38.14748	1.2.38.14748	GUI.zip update only
38	3	1.2.38.15251	1.2.38.14748	1.2.38.14748	1.2.38.14748	GUI.zip update only
38	4	1.2.38.15327	1.2.38.14748	1.2.38.15290	1.2.38.14748	GUI.zip and Web service updates
38	5	1.2.38.15513	1.2.38.14748	1.2.38.15513	1.2.38.15451	GUI.zip, Web service and database updates
38	6	1.2.38.15618	1.2.38.14748	1.2.38.15513	1.2.38.15618	GUI.zip and database updates
38	7	1.2.38.15768	1.2.38.14748	1.2.38.15768	1.2.38.15618	GUI.zip and Web Service updates
39	-	1.3.39.15389	1.3.39.15389	1.3.39.15377	1.3.39.15355	Full version release
39	1	1.3.39.16026	1.3.39.15943	1.3.39.15943	1.3.39.15957	Requires Core Install. GUI.zip, Web Service, and Database updates
40	-	1.3.40.16628	1.3.40.16628	1.3.40.16628	1.3.40.16628	Full version release
40	1	1.3.40.16849	1.3.40.16659	1.3.40.16744	1.3.40.16727	GUI.zip, Web service, database updates and SQL Management reporting
40	2	1.3.40.16868	1.3.40.16659	1.3.40.16868	1.3.40.16727	GUI.zip and Web Service

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40	3	1.3.40.16868	1.3.40.16659	1.3.40.16868	1.3.40.16727	DB updated only
40	4	1.3.40.16967	1.3.40.16659	1.3.40.16932	1.3.40.16961	GUI.zip, Web service, database updates
40	5	1.3.40.17087	1.3.40.16659	1.3.40.17069	1.3.40.17087	GUI.zip, Web service, database updates
40	6	1.3.40.17146	1.3.40.16659	1.3.40.17146	1.3.40.17146	GUI.zip, Web service, database updates
40	7	1.3.40.17268	1.3.40.16659	1.3.40.17268	1.3.40.17259	GUI.zip, Web service, database updates
40	8	1.3.40.17364	1.3.40.16659	1.3.40.17362	1.3.40.17343	GUI.zip, Web service, database updates
40	9	1.3.40.17370	1.3.40.16659	1.3.40.17370	1.3.40.17370	GUI.zip, Web service, database updates
40	10	1.3.40.17435	1.3.40.16659	1.3.40.17435	1.3.40.17370	64 BIT web service. GUI.zip, Webservice.

6. Installing

- 1) Copy and replace the current rRIS...zip file with the rRIS_1.3.40.17435.zip file provided with this release.

Be sure to make a backup of the ris.exe.config file contained within the current .zip folder.

NOTE: If any port changes are made to the rRISServices.exe.config or the rRISServicesx64.exe.config files because of the changes for X64 webservice, make sure these port number changes are also updated in the ris.exe.config file.

- 2) Build 40, patch 10 includes a 64 bit version for RIS Services. Only the Core Services should be configured to run the 64 bit version. The other services such as DD Engine, CDS Manager, SAPS, etc. are not validated to run the 64 bit version at this time. Specifically, the DD Engine needs to run in 32 bit and the 64 bit version will fail.

In this package there are now 2 executable programs for the RISServices, namely rRISService.exe and rRISService64.exe. The rRISService.exe continues to be the 32 bit application. If you were to leave the services configured as is and you deploy the new RIS Services you will be running the 32 bit version.

Similar to the 32 bit version, the 64 bit version, rRISService64.exe has a configuration file called rRISServicesx64.exe.config. The contents of this file is identical to the 32 bit version. Stop each service listed below.

To run the 64 bit version for RIS Services you need to do the following (only the RIS Core Services are validated to use the 64 bit version):

- a. Configure the rRISService64.exe.config by copying the current rRISServices.exe.config to rRISServicesx64.exe.config
- b. Uninstall the RIS Service as “Windows Service”.
- c. Install the RIS Services as “Windows Service” using the rRISServicesx64.exe application
- d. Start the service.
- e. Verify the service is running.

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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:

- i. rRISService
- ii. CDS rRISService
- iii. Wedge rRISService
- iv. DDE rRISService

Restart each service.

REMINDER: After the new 64 bit service is installed for rRISServicesx64.exe, remember to use a domain account for log on of the new service.

