Server Update

For eRAD RIS
Version 1.0
Build 41
Update 41.1.002

Table of Contents

1. Defects Resolved

Redmine #	Subject	Priority
5778	Mammo follow-up orders no longer included in the list of outstanding orders when scheduling	Urgent
5776	Error after login: nullable object must have a value	High
5773	Parameter is not valid error while loading thumbnail images in document viewer	High
5772	Patient Folder - can't sort relevance or relevant flag	High
4978	User is able to schedule to a closed room	High
5775	null reference error when opening administration / management reports	Normal
5774	foreign key error when adding follow-up / contact log entries	Normal
5344	Playback with bouncing ball, preventing word selection with double click.	Normal

2. Code Stream

eRad RIS – source code evolution

```
40.018 ──> 40.019 ──> 40.020 ──> 40.021 ──> 40.022
 │           │          │           │           │
* Includes  Was not    * Add new
M*Model     released.   M*Model
DLLs (782)  Content in  DLLs (788)
            40.020
```

40.018 → 41.001 → 41.002 → 41.002S canFix
40.020 → 41.003 → 41.004 → 41.005 → 41.006
41.002S canFix → 41.002.1

41.1 → 41.1.001 → 41.1.002

* Retrofit (b42) VR enhances back to b41.1 release

42.0 → Go-forward releases & features
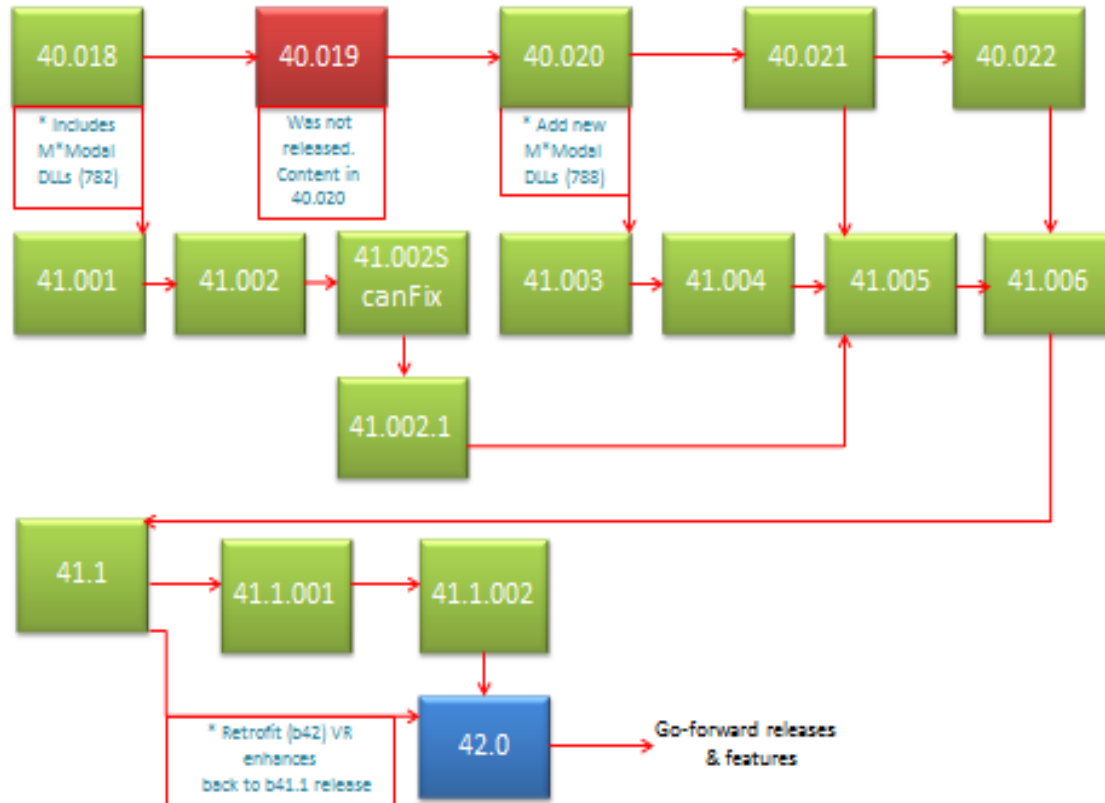
Legend:

Green = Released software

Red = Will not be released

Blue = Future release

3. Package Contents

Files included for this server update:

1) GUI ZIP Updates folder contains
   a) rRIS_1.3.41.21162 (3GB).zip

2) SQL folder contains:
   a) B41_1_002.sql

3) RIS_Service_Updates
   a) ABCpdf.dll
   b) ABCpdf9-32.dll
   c) ABCpdf9-64.dll
   d) CDSJobManager.dll
   e) CDSJobManager.pdb
   f) CdsLib.dll
   g) CdsLib.xml
   h) CdsLib.XmlSerializers.dll
   i) CommonLib.dll
   j) CommonLib.pdb
   k) DDEngine.dll
   l) DDEngine.pdb
   m) Interop.FAXCOMEXLib.dll
   n) Microsoft.Practices.EnterpriseLibrary.Caching.dll
   o) Microsoft.Practices.EnterpriseLibrary.Caching.pdb
   p) Microsoft.Practices.EnterpriseLibrary.Common.dll
   q) Microsoft.Practices.EnterpriseLibrary.Common.pdb
   r) Microsoft.Practices.EnterpriseLibrary.Logging.dll
   s) Microsoft.Practices.EnterpriseLibrary.Logging.pdb
   t) Microsoft.Practices.ServiceLocation.dll
   u) Microsoft.Practices.ServiceLocation.pdb
   v) Microsoft.Practices.Unity.dll
   w) Microsoft.Practices.Unity.Interception.dll
   x) Microsoft.Practices.Unity.Interception.pdb
   y) Microsoft.Practices.Unity.pdb
   z) Microsoft.ReportViewer.Common.dll
   aa) Microsoft.ReportViewer.Common.pdb
   bb) Microsoft.ReportViewer.WinForms.xml
   cc) Newtonsoft.Json.dll
   dd) Newtonsoft.Json.xml
   ee) Ninject.dll
   ff) Ninject.Web.Common.dll
   gg) Ninject.Web.Common.xml
   hh) Ninject.xml
   ii) O2S.Components.PDFRender4NET.dll
   jj) PDFToImages.exe
   kk) rRISServices.exe
   ll) rRISServices.pdb
   mm) rRISServicesx64.exe
   nn) ScheduledTaskManager.dll
   oo) ScheduledTaskManager.pdb
   pp) ServicesConfigWizard.exe
   qq) ServicesConfigWizard.pdb
   rr) SignatureApprovalService.exe
   ss) SignatureApprovalService.pdb
   tt) System.Net.Http.dll
   uu) System.Net.Http.Formatting.dll
   vv) System.Net.Http.Formatting.xml
   ww) System.Net.Http.WebRequest.dll
   xx) System.Net.Http.WebRequest.xml
   yy) System.Net.Http.xml
   zz) System.Web.dll
   aaa) System.Web.Helpers.dll
   bbb) System.Web.Helpers.xml
   ccc) System.Web.Http.dll
   ddd) System.Web.Http.SelfHost.dll
   eee) System.Web.Http.SelfHost.xml
   fff) System.Web.Http.WebHost.dll
   ggg) System.Web.Http.WebHost.xml
   hhh) System.Web.Http.xml
   iii) System.Web.Mvc.dll
   jjj) System.Web.Mvc.xml
   kkk) System.Web.Optimization.dll
   lll) System.Web.Providers.dll
   mmm) System.Web.Razor.dll
   nnn) System.Web.Razor.xml

ooo)	System.Web.WebPages.Deployment.dll	www)	Tourreau.Gilles.FaxDotNet.xml
ppp)	System.Web.WebPages.Deployment.xml	xxx)	WCFService.dll
qqq)	System.Web.WebPages.dll	yyy)	WCFService.pdb
rrr)	System.Web.WebPages.Razor.dll	zzz)	WebApi.dll
sss)	System.Web.WebPages.Razor.xml	aaaa)	WebApi.pdb
ttt)	System.Web.WebPages.xml	bbbb)	Wedge.exe
uuu)	Tourreau.Gilles.FaxDotNet.dll	cccc)	Wedge.pdb
vvv)	Tourreau.Gilles.FaxDotNet.pdb		

4. Intended Audience

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

5. Who is affected

Build 41.1 installs. This server update must be applied directly to the build 41.1 core install. Server updates are not cumulative. Any previous server updates must be applied before this one.

6. eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Notes
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.
40	11	1.3.40.17435	1.3.40.16659	1.3.40.17525	1.3.40.17370	Web service update
40	12	1.3.40.17685	1.3.40.16659	1.3.40.17685	1.3.40.17648	GUI.zip, Web service, database updates
40	13	1.3.40.17776	1.3.40.16659	1.3.40.17776	1.3.40.17648	GUI.zip, Web service
40	14	1.3.40.18063(3GB)	1.3.40.16659	1.3.40.18063	1.3.40.18063	GUI.zip, Web service, database updates
40	14.1	1.3.40.18063(3GB)	1.3.40.16659	1.3.40.18107	1.3.40.18063	Web service
40	15	1.3.40.18127(3GB)	1.3.40.16659	1.3.40.18127	1.3.40.18127	GUI.zip, Web service, database updates
40	16	1.1.3.40.18585 (3GB)	1.3.40.16659	1.3.40.18585	1.3.40.18646	GUI.zip, Web service, database updates
40	16.1	1.3.40.18705 (3GB)	1.3.40.16659	1.3.40.18585	1.3.40.18646	GUI.zip
40	17	1.3.40.18780 (3GB)	1.3.40.18756	1.3.40.18756	1.3.40.18646	**Core install required** for Radiologist User Group. GUI.zip, Core setup, and Web Service updates
40	18	1.3.40.19253(3GB)	1.3.40.18756	1.3.40.18756	1.3.40.19253	GUI.zip, Web Service and database updates
40	19	1.3.40.19909(3GB)	1.3.40.18756	1.3.40.19878	1.3.40.19253	GUI.zip, Web Service
40	20	1.3.40.20086(3GB)	1.3.40.18756	1.3.40.19878	1.3.40.19253	Gui.zip and Recognizer
40	21	1.3.40.20703(3GB)	1.3.40.18756	1.3.40.19878	1.3.40.19253	Gui.zip
40	22	1.3.40.20898(3GB)	1.3.40.18756	1.3.40.19878	1.3.40.19253	Gui.zip
41	-	1.3.41.19135(3GB)	1.3.41.19135	1.3.41.19135	1.3.41.19135	Full version release
41	1	1.3.41.19356(3GB)	1.3.41.19135	1.3.41.19346	1.3.41.19346	GUI.zip, Web Service and database updates
41	2	1.3.41.19620(3GB)	1.3.41.19135	1.3.41.19620	1.3.41.19346	GUI.zip and Web Service
41	2sf	1.3.41.19620SF(3G)	1.3.41.19135	1.3.41.19620	1.3.41.19346	GUI.zip
41	2.1	1.3.41.20622(3GB)	1.3.41.19135	1.3.41.20617	1.3.41.19346	GUI.zip and Web Service
41	3	1.3.41.20171(3GB)	1.3.41.19135	1.3.41.20171	1.3.41.19346	GUI.zip , Web Service and Recognizer
41	4	1.3.41.20285(3GB)	1.3.41.19135	1.3.41.20171	1.3.41.19346	GUI.zip
41	5	1.3.41.20809(3GB)	1.3.41.20708	1.3.41.20792	1.3.41.20738	GUI.zip, Core install, Web Service and database updates
41	6	1.3.41.20912(3GB)	1.3.41.20708	1.3.41.20792	1.3.41.20738	GUI.zip
41.1	-	1.3.41.20918(3GB)	1.3.41.20791	1.3.41.20918	1.3.41.20739	GUI.zip, Core install, Web Service and DB updates, Help files
41.1	1	1.3.41.20987(3GB)	1.3.41.20791	1.3.41.20918	1.3.41.20739	GUI.zip
41.1	2	1.3.41.21162(3GB)	1.3.41.20791	1.3.41.21162	1.3.41.21150	GUI.zip, Web Service and DB updates,

7. Installing

1) Copy and replace the current rRIS…zip file with the rRIS_1.3.41.21162.zip file provided with this release.
   Be sure to make a backup of the ris.exe.config file contained within the current .zip folder.

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 B41_1_002.sql file against the eRAD RIS database instance.