



eRAD RIS

CUSTOMER & SERVICE RELEASE NOTES

Hotfix Build v3.2022.1.17.4.2

UPDATED JUNE 9, 2022



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Publication History

Revision	Author	Description
June 6, 2022	Kevin Brooks / Hilary Saltmarsh	<ul style="list-style-type: none"> Commercial release.
June 9, 2022	Kevin Brooks	<ul style="list-style-type: none"> Deploy package contents updated to address a Schedule Search timezone web services issue with #32186.

SUMMARY

Intended Audience

The intended audience for this CUSTOMER RELEASE NOTES document is the RIS Administration team for all eRAD RIS customers.

This document describes the purpose, configuration, and operation of new features made available with this release, identifies issues resolved in the release, and highlights any unresolved known limitations.

This information should be used by all customers to determine how these changes affect their organization's workflow, and to plan their organization's upgrade strategy for eRAD RIS.



There is no separate SERVICE RELEASE NOTES edition of this document.

Who Is Affected

This hotfix release of ERAD RIS v3.2022.1.17.4.2 introduces a new Custom Details column to the Inbound Document Worklist and resolves an urgent Scheduling performance issue and several other urgent defects.

This version is recommended to be applied on ERAD RIS v3.2022.1.17.4 and ERAD RIS v3.2022.1.17.4.1 installations.



Please carefully review these release notes even if your system will not be upgraded immediately, to identify and communicate any issues that may affect your organization.

NEW SETTINGS

Summary of all settings that were added, updated, or removed.

RIS

Changes to SysConfig

The following related settings were added or updated:

Setting	Default	Purpose
AppointmentSearchTimeout	Value=Seconds as Integer, Default=[60]	Maximum number of seconds to search for timeslots during an appointment search. Added in v3.2022.1.17.4.2 #32186

NEW FEATURES

Scheduling

Feature #32186 - Configurable appointment search database query timeout

Summary

This enhancement to Scheduling introduces a new system configuration setting to tune database query performance when performing appointment searches.

Previously, a service call timeout on the client side when performing an appointment search could result in excessive delays, sometimes exceeding 15 minutes.

With this change, the amount of time before database services aborts an appointment search can now be configured via a new `AppointmentSearchTimeout` System Configuration setting.

Additionally, logging has been improved to help troubleshoot slow appointment search issues.

Configuration Instructions

System Administrators must complete the following actions with the guidance of the Service Team:

RIS Client

Changes to RIS SystemConfig Lookup Table Settings

- With the guidance of the Service Team, adjust `AppointmentSearchTimeout` to tune appointment search performance for your installation.

The following related settings were added or updated:

Setting	Default	Purpose
AppointmentSearchTimeout	Value=Seconds as Integer, Default=[60]	Maximum number of seconds to search for timeslots during an appointment search. Added in v3.2022.1.17.4.2 #32186

Worklists

Feature #32204 - Add a searchable Custom Details column to the Inbound Document Worklist

Summary

This enhancement to Worklists adds a new column to the Inbound Document Worklist that will be populated with custom values. While this column can be used for sorting and filtering, the values are not editable and are only viewable from the Inbound Document Worklist.

Date Received	Age in H...	Site	Prac...	Document T...	Scan Type	Custom Details
04-05-2022 01:44 PM	1196	LU	ADV	Secure PIC	Insurance	These are my custom details...
04-05-2022 04:39 PM	1193	LU	ADV	Secure PIC	Worksheet	These are my custom details...
04-05-2022 04:41 PM	1193	LU	ADV	Secure PIC	Drivers Lic	These are my custom details...
04-05-2022 04:42 PM	1193	LU	ADV	Secure PIC	Worksheet	net.c... These are my custom details...
04-05-2022 04:44 PM	1193	LU	ADV	Secure PIC	Drivers Lic	net.c... These are my custom details...

CUSTOMERS MAY REQUEST THE NEW COLUMN BE POPULATED WITH THEIR CHOICE OF VALUES.

Previously, workflows that required custom values to appear on worklists required a RIS update to have a new column added.

With this change, a new generic `Custom Details` column that supports strings is available to be populated, with the assistance of the Service Team, with any values needed up to 200 characters in length. Values will be updated via custom SQL update queries or stored procedures, so no RIS update will be required to adjust how this new column is populated in the future.



Known Limitation - Values in the Custom Details column are display-only and cannot be added or edited via the RIS UI.

Configuration Instructions

System Administrators must complete the following actions to enable this feature and Service Team assistance is required for some actions:

Database

The new column must be explicitly populated with desired values:

- With the assistance of the Service Team, prepare a SQL script or stored procedure that will populate the worklist column with desired values and a mechanism to run the script as necessary.
- The database index must be updated each time data is added to this column. The following sample script will force a rebuild of the index:

```
declare @WorklistName varchar(50) = 'InboundDocumentWL';

--Clear out the WL
delete from c_worklist_item_x_worklist where wl_name = @WorklistName;

--Rebuild the WL
exec c_WL2_InitialWLLoad_By_WL @WorklistName;

--Wait until c_async_job clears out
select * from c_async_job
```



Known Limitation - If the worklist is not invalidated and rebuilt after data is updated, values in the Custom Details column will not appear in the worklist until a user first clicks on the affected row.

RESOLVED ISSUES AND KNOWN LIMITATIONS

Resolved Issues

This release resolves the following issues:

Redmine #	Subject
32195 (Backport from 31911)	Resolved Thick Client GUI issue where procedure entry type ahead was not recognizing valid procedures.
32196 (Backport from 31533)	Enhanced Scheduling performance when using the Search By Distance feature by optimizing calls to the GoogleAPI.
32212 (Backport from 31558)	Resolved Scanning issue where documentViewer was causing a memory leak.

New Known Limitations

The following new known limitations were identified with this release.

- **FEATURE #32204 - ADD A SEARCHABLE CUSTOM DETAILS COLUMN TO THE INBOUND DOCUMENT WORKLIST**
 - Values in the Custom Details column are display-only and cannot be added or edited via the RIS UI.
 - When values in the Custom Details column are updated (by the Service Team via SQL script or stored procedure), the worklist must be invalidated and rebuilt to ensure values in the Custom Details column are correctly displayed on the Inbound Document Worklist.

VERSION DETAILS

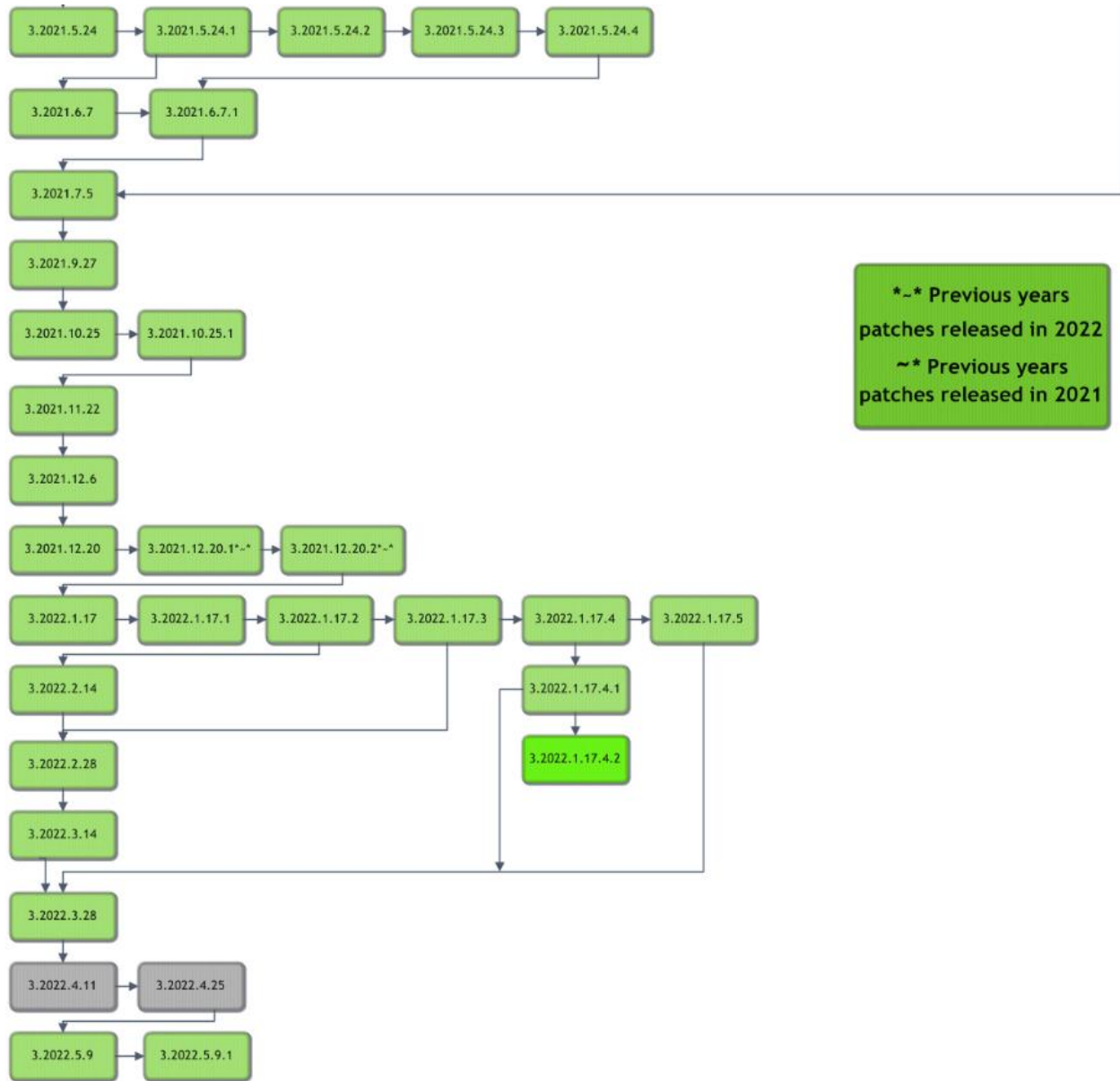
Package Contents

The release package includes the following folders:

_Documentation	06/08/2022 8:47 AM
_ReleaseNotes	06/09/2022 9:18 AM
Client Application	06/08/2022 8:45 AM
DB	06/08/2022 8:46 AM
External WebAPI	06/08/2022 8:46 AM
Identity Service	06/08/2022 8:46 AM
Management Reports	06/08/2022 8:46 AM
PACS Citrix Bridge	06/08/2022 8:47 AM
RIS Service	06/08/2022 8:46 AM
Service Tools	06/08/2022 8:48 AM
Web Digital Forms	06/08/2022 8:46 AM
Web Patient Connect	06/08/2022 8:47 AM

Code Stream

The following source code branches have been merged into this release:



- Previous years patches released in 2022
 ~* Previous years patches released in 2021

LEGEND:

- Light Green = Previously Released software
- Gray = Internal version, non-release version
- Bright Green = Current Release

eRAD RIS Release Version Numbers

The following table details the version identifiers for components in this release:

Build	Patch	UI Version	Core Version	WS Version	DB Version	Digital Forms	Patient Portal	UM Portal	Provider Portal	Notes
2021.5.24	-	3.21.5.24(3GB)	3.21.5.24	3.21.5.24	3.21.5.24.002842120	3.21.5.24	3.21.5.24.0.1205	3.21.5.24.0.1205	3.21.5.24.0.1205	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	1	3.21.5.24.1(3GB)	3.21.5.24.1	3.21.5.24.1	3.21.5.24.102880695	3.21.5.24.1	3.21.5.24.1.1224	3.21.5.24.1.1224	3.21.5.24.1.1224	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	2	3.21.5.24.2(3GB)	3.21.5.24.2	3.21.5.24.2	3.21.5.24.2029323248	3.21.5.24.2	3.21.5.24.0.1244	3.21.5.24.0.1244	3.21.5.24.0.1244	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	3	3.21.5.24.3(3GB)	3.21.5.24.3	3.21.5.24.3	3.21.5.24.302932869	3.21.5.24.3	3.21.5.24.0.1252	3.21.5.24.0.1252	3.21.5.24.0.1252	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.5.24	4	3.21.5.24.4(3GB)	3.21.5.24.4	3.21.5.24.4	3.21.5.24.402961496	3.21.5.24.4	3.21.5.24.0.1260	3.21.5.24.0.1260	3.21.5.24.0.1260	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.6.7	-	3.21.6.7(3GB)	3.21.6.7	3.21.6.7	3.21.6.7.002898418	3.21.6.7	3.21.6.7.0.1234	3.21.6.7.0.1234	3.21.6.7.0.1234	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.6.7	1	3.21.6.7.1(3GB)	3.21.6.7.1	3.21.6.7.1	3.21.6.7.102961651	3.21.6.7.1	3.21.6.7.1.1262	3.21.6.7.1.1262	3.21.6.7.1.1262	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.7.5	-	3.21.7.5(3GB)	3.21.7.5	3.21.7.5	3.21.07.5.002970391	3.21.7.5	3.21.7.5.0.1266	3.21.7.5.0.1266	3.21.7.5.0.1266	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.9.27	-	3.21.9.27(3GB)	3.21.9.27	3.21.9.27	3.21.9.27.003025038	3.21.9.27	3.21.9.27.0.1280	3.21.9.27.0.1280	3.21.9.27.0.1280	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.10.25	-	3.21.10.25(3GB)	3.21.10.25	3.21.10.25	3.21.10.25.003071251	3.21.10.25	3.21.10.25.0.1317	3.21.10.25.0.1317	3.21.10.25.0.1317	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.10.25	1	3.21.10.25.1(3GB)		3.21.10.25.1		3.21.10.25.1				Portals
2021.11.22	-	3.21.11.22(3GB)	3.21.11.22	3.21.11.22	3.21.11.22.003102803	3.21.11.22	3.21.11.22.0.1346	3.21.11.22.0.1346	3.21.11.22.0.1346	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.12.6	-	3.21.12.6(3GB)	3.21.12.6	3.21.12.6	3.21.12.6.003112661	3.21.12.6	3.21.12.6.0.1352	3.21.12.6.0.1352	3.21.12.6.0.1352	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.12.20	-	3.21.12.20(3GB)	3.21.12.20	3.21.12.20	3.21.12.20.003133170	3.21.12.20	3.21.12.20.0.1360	3.21.12.20.0.1360	3.21.12.20.0.1360	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.12.20	1	3.21.12.20.1(3GB)	3.21.12.20.1	3.21.12.20.1	3.21.12.20.103170667	3.21.12.20.1	3.21.12.20.1.1366	3.21.12.20.1.1366	3.21.12.20.1.1366	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.12.20	2	3.21.12.20.2(3GB)	3.21.12.20.2							GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.1.17	-	3.22.1.17(3GB)	3.22.1.17	3.22.1.17	3.22.1.17.003185028	3.22.1.17	3.22.1.17.0.1382	3.22.1.17.0.1382	3.22.1.17.0.1382	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.1.17	1	3.22.1.17.1(3GB)	3.22.1.17.1	3.22.1.17.1		3.22.1.17.1				GUI and Web Services
2022.1.17	2	3.22.1.17.2(3GB)	3.22.1.17.2							GUI only
2022.1.17	3	3.22.1.17.3(3GB)	3.22.1.17.3	3.22.1.17.3						GUI and Web Services only
2022.1.17	4	3.22.1.17.4(3GB)	3.22.1.17.4							GUI only
2022.1.17	4.1	3.22.1.17.4.1(3GB)	3.22.1.17.4.1							GUI only
2022.1.17	4.2	3.22.1.17.4.2(3GB)	3.22.1.17.4.2	3.22.1.17.4.2	3.22.1.17.4.203367866					GUI only, Web Services and DB
2022.1.17	5	3.22.1.17.5(3GB)	3.22.1.17.5	3.22.1.17.5						GUI and Web Service
2022.2.14	-	3.22.2.14(3GB)	3.22.2.14	3.22.2.14	3.22.2.14.003205179	3.22.2.14	3.22.2.14.0.1394	3.22.2.14.0.1394	3.22.2.14.0.1394	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.2.28	-	3.22.2.28(3GB)	3.22.2.28	3.22.2.28	3.22.2.28.003233569	3.22.2.28	3.22.2.28.0.1403	3.22.2.28.0.1403	3.22.2.28.0.1403	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.3.14	-	3.22.3.14(3GB)	3.22.3.14	3.22.3.14	3.22.3.14.003266996	3.22.3.14	3.22.3.14.0.1410	3.22.3.14.0.1410	3.22.3.14.0.1410	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.3.28	-	3.22.3.28(3GB)	3.22.3.28	3.22.3.28	3.22.3.28.003295497	3.22.3.28	3.22.3.28.0.1428	3.22.3.28.0.1428	3.22.3.28.0.1428	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.4.11	-	3.22.4.11(3GB)	3.22.4.11	3.22.4.11	3.22.4.11.003266062	3.22.4.11	3.22.4.11.0.1436	3.22.4.11.0.1436	3.22.4.11.0.1436	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.4.25	-	3.22.4.25(3GB)	3.22.4.25	3.22.4.25	3.22.4.25.003341901	3.22.4.25	3.22.4.25.0.1441	3.22.4.25.0.1441	3.22.4.25.0.1441	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.5.9	-	3.22.5.9(3GB)	3.22.5.9	3.22.5.9	3.22.5.9.003343130	3.22.5.9	3.22.5.9.0.1450	3.22.5.9.0.1450	3.22.5.9.0.1450	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.5.9	1	3.22.5.9(3GB)	3.22.5.9							GUI Only