



eRAD RIS

RELEASE ANNOUNCEMENT

Build 4.2024.116

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PUBLICATION HISTORY

Revision	Author	Description
November 15, 2024	Kevin Brooks, Michelle Mahabir / Hilary Saltmarsh	<ul style="list-style-type: none"> ▪ Commercial release.

SUMMARY

Release Announcement

This release of ERAD RIS 4.2024.116 introduces numerous performance enhancements but has no customer-facing changes.

New Features

This release introduces the following features and enhancements:

Category	Redmine #	Subject	Description
Performance	35316	Service-Only Feature Utilize updated SQL String Split Function	This is a service-only change with no customer-facing functionality.

Refer to the FEATURE DETAILS section below for configuration and usage information.

Resolved Issues

This release resolves the following issues:

Category	Redmine #	Subject
DB	35347	Resolved DB issue by minimizing calls to the c_split table, leading to improved system efficiency.
DB	35349	Resolved DB issue that resulted in system timeouts when attempting to access linked studies.
DB	36013	Resolved DB issue by adding missing index to the c_auto_cert_response table.
Document Distribution	35351	Resolved Document Distribution issue that caused excessive polling request to the worklist.
Performance	35362	Updates Performance by added indexes to optimize efficiency and reduce CPU usage.
Person Management	35352	Resolved Person Management issue that resulted in search timeouts when processing broad or non-specific search parameters.

SORTED BY CATEGORY AND REDMINE

New Known Limitations

The following significant limitations have been identified and should be communicated to affected users:

- **BUG #36114 PERFORMANCE ISSUES USING REPORT TOGETHER PROCEDURE PLANS (FROM #35969)**
 - **Issue:** Procedure plans that have the report together flag (which assigns a linked id to procedures in the plan) are taking a long time to complete transactions on systems with high volumes of records.
 - **Impact:** Response times of several minutes have been observed when performing scheduling, rescheduling, arriving, perform exam and other actions on report together procedures. Systems with lower record volumes may experience little to no issues.
 - **Workaround:** No known workaround. A fix is planned for a future release. Note that this is a pre-existing issue that was also observed in prior releases.



Carefully review all Known Limitations identified here and in the release notes of all other versions being applied and communicate relevant items to all those affected.

FEATURE DETAILS

Performance

Service-Only Feature #35316 – Utilize updated SQL String Split Function

Summary

This database enhancement optimizes performance of SQL queries by utilizing the newer `STRING_SPLIT` function.

Previously, database queries utilized the `c_Split` SQL function rather than the newer, more performant, SQL Server 2016+ native `STRING_SPLIT` function.

With this change, a new `SQLEnableNativeStringSplit` System Configuration option enables this performance enhancement.

Configuration Instructions

System Administrators must complete the following actions to enable this feature:

RIS Client

Changes to SystemConfig Lookup Table

- Enable this feature by setting `SQLEnableNativeStringSplit` to `True`.



Please Report any issues to the Development Team if disabling due to incompatibilities.

The following related settings were added or updated:

Setting	Default	Purpose
<code>SQLEnableNativeStringSplit</code>	Value=Boolean, Default=[FALSE]	When [True], the SQL Server 2016+ native <code>STRING_SPLIT</code> function is enabled. When [FALSE], legacy <code>c_Split</code> is used instead. Updated by #35316. Updated by #35316

VERSION DETAILS

Code Stream

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

