



## eRAD RIS

# RELEASE ANNOUNCEMENT

Build 4.2024.034

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### PUBLICATION HISTORY

Revision	Author	Description
March 14, 2024	Kevin Brooks, Michelle Mahabir / Hilary Saltmarsh	<ul style="list-style-type: none"> <li>▪ Commercial release.</li> </ul>

# SUMMARY

## Release Announcement

*This release of eRAD RIS 4.2024.034 introduces an Eligibility Service query performance enhancement.*

## New Features

This release introduces the following features and enhancements:

Category	Redmine #	Subject	Description
Insurance Eligibility	35291	Configurable Eligibility Service query sleep time	This enhancement to Insurance Eligibility introduces configurable settings to manage the aggressiveness of the eligibility service query and prevent the queue from backing up.

SORTED BY CATEGORY AND REDMINE

Refer to the [FEATURE DETAILS](#) section below for configuration and usage information.

# FEATURE DETAILS

## Insurance Eligibility

### Feature #35291 – Configurable Eligibility Service query sleep time

#### Summary

This enhancement to Insurance Eligibility introduces configurable settings to manage the aggressiveness of the eligibility service query and prevent the queue from backing up.

#### Background

Previously, errors in the eligibility query were causing backups in the queue due to overly aggressive default query settings.

#### Feature Description

With this change, polling speed settings for the eligibility service query may now be controlled via new configuration settings.

Two new application settings `EligibilityServiceMaxThread` and `EligibilityServiceIdleSleep` have been introduced to assist in regulating the number of threads and the polling speed for the service.

Additionally, `Max Pool Size` is a new configuration setting to manage the number of connections used for eligibility threads.

Although the default the setting values for `EligibilityServiceMaxThread` and `EligibilityServiceIdleSleep` are equal to the values used previously, those values are not recommended as they may cause database stress.

Based on performance testing, the following settings are recommended:

`EligibilityServiceIdleSleep = 250`

`EligibilityServiceMaxThreads = 100`

`Max Pool Size=1000;`

- Although RIS would never use 1000 connections as each of the eligibility threads only opens one connection, a setting greater than the `EligibilityServiceMaxThreads` value is needed is because startup and backend processes need database connections.



*Updating settings to the above values is strongly recommended, and further adjustments should only be made in consultation with the Service and Development Teams.*

#### Service Team Upgrade Instructions:

The Service Team must complete the following actions to deploy this feature:

#### Web Services

Changes to `connectionstring.config`

- Set `Max Pool Size` = `1000`

## Configuration Instructions

Service Team assistance is required to enable this feature.

### RIS Client

#### Changes to SystemConfig Lookup Table

- Set `EligibilityServiceIdleSleep` = `250`
- Set `EligibilityServiceMaxThreads` = `100`

# VERSION DETAILS

## Code Stream

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

