



eRAD RIS

# RELEASE ANNOUNCEMENT

Build 4.2025.048

UPDATED SEPTEMBER 16, 2025

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## PUBLICATION HISTORY

Revision	Author	Description
September 16, 2025	Michelle Mahabir/ Kevin Brooks	▪ Commercial release.

# SUMMARY

## Release Announcement

*This release of ERAD RIS 4.2025.048 introduces a PACS V9 caching optimization performance enhancement.*

## New Features

This release introduces the following features and enhancements:

Category	Redmine #	Subject	Description
PACS	36243	PACS V9 Caching Optimization	<p>This enhancement to PACS adds a server-level status polling solution to retrieve PACS V9 statuses for studies and relevant priors, ensuring more efficient performance and preventing redundant requests during heavy PACS activity periods.</p> <p>There are no user-facing changes.</p>

SORTED BY CATEGORY AND REDMINE

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

# FEATURE DETAILS

## PACS

### Feature #36243 – PACS V9 Caching Optimization

#### Summary

This enhancement to PACS adds a server-level status polling solution to retrieve PACS V9 statuses for studies and relevant priors, ensuring more efficient performance and preventing redundant requests during heavy PACS activity periods.

There are no user-facing changes.

#### Background

Previously, cooked studies were being re-queried too frequently creating redundant requests and adding unnecessary overhead.

#### Feature Description

With this change, RIS now supports targeted and limited polling with configurable maximum studies per request. It automatically calculates how to distribute requests over time based on study list size, balancing system load while ensuring timely updates.

Caching requests are now timestamped, and status re-checks are delayed until after a configurable timeout interval via a new `PACSV9PrepareStudyDuplicateRequestDelay` configuration setting. This will prevent redundant requests during periods of heavy PACS activity and further reduce system strain.

Caching is now limited to two pages, reducing payload and enhancing performance.

#### Configuration Instructions

No System Administrator actions are necessary to enable this feature; however, optional configuration is available.

#### RIS Client

##### Changes to SystemConfig Lookup Table

- Optionally, adjust system configurations for your installation.
  - The default value leaves existing system behavior unchanged.

The following related settings were added or updated:

Setting	Default	Purpose
PACSV9CookedStudyQueryDelayInMinutes	60	(Value=Minutes as Integer) – Target number of minutes after which a cooked study will query its status to confirm it remains cooked. Updated by #33222
PACSV9MaximumStudiesPerPrepareStudyCall	500	(Value= Integer) – Maximum number of studies to include per batch of Prepare Study calls. Updated by #36243
PACSV9PollingIntervalInSecondsForCookedStudies	30	(Value=Minutes as Integer) – Number of seconds between each call to the PACS V9 server to retrieve cooked statuses. Updated by #36243

Setting	Default	Purpose
PACSV9PrepareStudyDuplicateRequestDelay	120	(Value=Minutes as Integer) – Number of seconds before a prepare study request is reissued if the study hasn't transitioned to the cooked status. Updated by #36243
PACSV9TargetStudiesPerPrepareStudyCall	100	(Value=Minutes as Integer) -Target number of studies to include per batch of Prepare Study calls. Updated by #36243

# VERSION DETAILS

## Code Stream

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

