Customer Release Notes

eRAD PACS
Version 8.0
Server Build 21

Release Date January 22, 2021

Table of Contents

New Features and Enhancements

1. **Standalone Media Creation Server (MCS)**

    A separate component dedicated to creating DICOM media is available. This component can run locally or on a separate server with dedicated resources, relieving a PACS server of resource conflicts at sites with heavy DICOM media creation needs. Options include the original (embedded) media creation services, local media creation services running as a standalone component and remote media creation services. The current default is the original embedded solution. A remote media creation services device requires a dedicated MCS license. See Media Creation Server

2. **Purge matching objects**

    The purge action configuration curtain allows selecting specific series and objects to delete. Supported criteria include the attachment type, conversion type, modality, series description and SOP Class. See Delete Actions (Configure Purge)

3. **Move list management to database**

    UPGRADE NOTICE: Worklist definitions data moved to database. To improve action processing and prefetch performance, saved worklist definitions (layouts, filters, etc.) have been moved from files to the database. Support and group worklist definitions, as well as any user worklist definition linked to an active Action, are moved to the database at the first system startup. All remaining worklist definitions are moved in batches over time by a scheduled task (details are logged), or immediately when a user logs in the first time after upgrading.

4. **Invalidate cached copy if object pixel data has changed**

    DEPENDENCY NOTICE: This feature requires viewer-8.0.52 and eRAD Desktop Apps 8.0.26. When a third party device resends an image using the same instance UID, the viewer might need to update the data in its cache. To make the decision, the viewer must know the time the object was last updated, but that requires effort on the server. So, sending this timestamp to the viewer in the herpa data is optional. The server can be configured to always send this timestamp value (default), send it only if the viewer requests it, or never send it.

Resolved Issues

1. **ISO files produced with Media Creation Service are incomplete**
    An inherited page size limit used when collecting the objects for an ISO file truncated the list, resulting in missing objects on the media. This has been resolved.

2. **Fall back to view-mode when user has approve but not report edit rights**
    An incorrect permission check permitted users with the right to approve a report to open it for editing even when they had no report editing permission, displaying an error warning in the process. This has been resolved.

3. **Retired database field SONR from version 8 PACS**
    If a retired database field, Scheduled Order Number, contained data, attachment uploaded to orders would fail. This has been resolved.

4. **Index on the FOLDER field lost**
    The database index has been restored to the study table's FOLDER field, and a default statistics file has been added.

5. **Print friendly report view omits key images**
    An issue with the way calls were made to a handler prevented some functions from completing, including the one displaying key images and another hiding the image size selector on a print-friendly report. This has been resolved.

6. **Factory default formatting rules for 3rd party SR objects are missing**
    Support for displaying content from third party SR objects on a report page or panel has been ported to v8.

7. **LDAP authentication restriction**
    Restrictions have been applied to disable LDAP's support for password-less login attempts.

8. **Study with multiple PS objects fail in MCS**
    Studies with presentation states created by the eRAD viewer encountered an error when the MCS converted those objects to DICOM-compliant PS objects and copied them to the output folder. This has been resolved.

9. **Enhance image tagging to consider viewer compatibility**

The image tagging solution the viewer uses to request the server reprocess an image object interfered with displaying annotations on key images and presentation states in some versions of the viewer. The solution was to disable tagging unless the viewer version indicates it supports the feature.