



# Customer Release Notes

eRAD PACS  
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## New Features and Enhancements

**1. Design and implement "Meta" storage repository**

DICOM data is stored in a separate (meta) repository from processed data.

**2. Add ability to track actual repo location via callback/event notifications**

The repo handler supports a callback interface used to track resource locations without needing to use the locate function.

**3. Web service's ForwardStudy operation should handle partial (series/object) forwards**

The web services Forward command supports forwarding individual series and objects from the same study to a defined target. See web services manual for details.

**4. Update ServerSettingsConst hierarchy to be enum based**

Structural changes applied to improve the handling of server settings.

**5. Report templates are not exported/imported**

Report templates are included in the user export and import tools.

**6. Repository handler should do the auto-resolution even if above the fullLimit**

The repository handler automatically consolidates studies split between multiple partitions even when the full limit threshold has been exceeded, except when the physical limit has been exceeded. The physical limit is defined by the configuration setting `hardFullLimit`. The built-in default is 99.9%. This can be overridden in `repository.cfg`.

**7. Make the rights setting color more visible when using dark mode**

The background color of the individual rights fields when using the dark theme has been modified to make the setting indicator more visible.

**8. Return error code by `dotcom.ReCollect` when recollecting dotcom configuration fails**

The command line tool to recollect dotcom information includes options to include a return code when the operation encounters an error or warning.

**9. Back-end script for `repo.jsp` and `validate.jsp` needed**

The `repo.jsp` and `validate.jsp` scripts have been updated to dynamically generate a system session for use in automation tools.

**10. Log import user and user conversion into an upgrade log file**

Log entries for importing user accounts and for user conversion (during upgrade) are consolidated into dedicated log files, `~/var/log/UserExport`, `~/var/log/UserImport` and `~/var/log/UserConversion`.

**11. Add "generic title+label" option to report template editor**

A generic report template type has been added to support adding Dcstudy fields to a report view or report edit template. See the eRAD Layout XML Customization manual for details.

**12. Change the default of warnmoveTime for the data/dicom.repository**

The default for the warnMoveTime changed to five hours for data repositories. For all other repositories, the default remains two days.

**13. Admin GUI feature to review and delete nuked study files**

Nuked study files support study data which is used to populate a new web page for reviewing and deleting these files. The Study Cleanup page is available to users with Support rights from the Admin menu. The page is empty by default. Enter criteria to display a list of up to 5,000 nuked studies. The tools are consistent with those on the Worklist page. When cleaning studies that exist on child servers, start with the child before cleaning up the parent. Cleanup requests and results are logged in the forever log.

**14. Create viewer profile backup file after editing profile from the desktop viewer**

When the user updates their viewer settings, the existing profile file is saved as a backup so it can be restored later, if necessary. These backup files are propagated throughout the dotcom.

**15. Default "apply to current content" to no in v8 action lists**

The default for the Apply to Current Content setting for all actions has changed to "No". Existing actions are not affected as long as they remain enabled. Once disabled, the new default shall be used when re-enabled, unless manually overridden during setup.

**16. Baseline server code base on v8.0**

eRAD PACS version 8 medsrv build 49, asroot 8.0.1 and platform-7.9.0 make up the starting code base for eRAD PACS v9.0. Modifications have been applied to account for labeling (eRAD PACS v9.0) and packaging (RPMs, etc.)

## Resolved Issues

**1. Static user login broken**

Static user passwords failed to account for the updated hash format.

**2. Change password throws an error**

Updating the password hash format missed a few places, including the Change Password page.

**3. SQLException during action run clears done table**

Improper handling of a return code resulted in clearing the action history file when a database query encountered an anomaly or simply failed to complete.

**4. Timestamp on note incorrect if time is 12:XX:XX**

Parsing the date-time values in patient folder notes assumed a 12-hour clock rather than a 24-hour clock.

**5. CWL does not allow merging a study to an order**

Correcting a study to an order might fail because orders don't have an owner hub, which is required to determine where the combined study resides. As a result, manual corrections from the GUI reported a failure to the user.

**6. Late corrects don't update data if the correcting device is not the study owner**

A missing RMI call caused the server correcting a late-arriving order to a study to not update the study data with the order data if the correcting server was not the study owner.

**7. Hermes java VM remains after ~/etc/rc stop**

If the shutdown process encountered an exception, which could be legitimate depending on the timing/sequencing, it could exit before terminating hermes.

**8. Cannot forward from patient folder**

Back-end support for forwarding studies from the patient folder was incomplete, resulting in no action when the button was clicked.

**9. Slow query log entries use ms instead of seconds**

The query time reported in a slow query log entry was in seconds but tagged as being in milliseconds.

**10. User with empty password cannot be edited**

User accounts with empty passwords, which is not a valid state, could not be corrected because the missing password was not handled and caused an error when editing.

**11. Task collapsing doesn't work for retry tasks**

Duplicate tasks that weren't collapsed were not returned to the duplicate task map, causing them to remain in the retry queue until executed. Under certain conditions, the retry queue could grow large with unnecessary duplicate tasks.

**12. Handle non-dll filenames for plugins**

While looking for plugin license files, the system failed to recognize plugins that were not distributed as DLL files.

**13. Notify action error message**

Identifying the email address offered as the default when configuring a Notify action failed for internally-defined accounts, such as the system account. In this case, the default comes up empty, requiring the user to explicitly declare the email recipient.

**14. Tasks filter window allows user to go to another web page without closing**

If the tasks page's filter panel was open when the user called up a different web page, the filter panel was not closed and remained on the screen.

**15. Session type changed on apache**

Viewer sessions were not recognized after restarting Apache, causing the cached data fields (eg, Percent Loaded) to report no data until the user logged out and back in.

**16. QueryQualifier doesn't properly handle PDOB quick filter**

Searching a worklist using a date value in the quick filter field that would result in a query qualifier exception returned an error message and no data because the date filter was improperly encoded in the database search request.

**17. CompressDataTask should not use static path**

The compress data action used a static pathname to the study rather than using the repository's location finder. If the study was moved from its original location, the compress action could not locate it and therefore failed to process the data.

**18. Can't break stuck system lock from the worklist GUI**

A system lock failed to be released because of a missing constructor. The constructor has been added to avoid the stuck lock. Also, when a user attempted to break the system lock, which is not permitted, the user received no explanation of why the lock remained. Now the user is informed he has no permissions to break a system lock.

**19. Webviewer does not start if custom http port is used**

When using a custom port to launch the web viewer, the server would mishandle parsing the URL to locate the host name, causing the request to fail.

**20. Custom plugin doesn't work with new license**

The plugin licensing enhancements failed to recognize custom plugin modules because the new naming rules were not applied correctly to custom plugin file names.

**21. epws createUser broken when using PasswordOptions parameter**

When using the web services command to create a user and including the password option tag but specifying no options, the request would fail because the server could not parse the empty string from the request.

**22. Delete report with addendum**

The delete button was not available from the patient folder if the study contained more than one report object (i.e., there was an addendum to the main report).