



Customer Release Notes

eRAD PACS
Version 8.0
Viewer Build 94
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New Features and Enhancements

1. Support X-Ray XRF Positioner Module

When the scanner includes an estimated detector magnification factor, distance source to patient, or distance source to detector value and the imager pixel spacing value in an image object, the viewer will apply them when calculating linear distances if the ***Use Estimated Radiographic Magnification Factor*** setting in the *Options/Images/Pixel Spacing* panel is enabled. This setting is **enabled** by default. When not defined by the scanner, the defined pixel spacing values are used.

2. Hungarian localization update up to viewer-8.0.90

The viewer's resource file has been updated to include Hungarian-language text as of viewer build 8.0.90/7.2.290.

Resolved Issues

1. Concurrently prefetching and opening the same study can result in crash

When a prefetch thread is running at the same time the viewer is closing the study containing the object being prefetched, the close thread could delete the cache group which causes the cache manager to crash. This has been resolved.

2. Persistent dictation with Speechmike doesn't always work as expected

If the user received a popup notice while in the persistent recording state, the viewer could become stuck in that state after the popup clears and the user releases the record button. This has been resolved.

3. Stream study table managing crashes viewer

After the viewer stored the study UID in the stream server table, it incorrectly removed it when the session closed rather than when the study container was removed. If the viewer attempted to access the study referenced by the study container, it could crash.

4. Viewer opened studies from prefetch list won't prefetch

If the viewer opened a study that was partially prefetched, it was possible under certain conditions that some objects would not be fully downloaded, resulting in low quality images. This has been resolved.

5. File mapping error handling can hang viewer

When a cache mapping error occurred, the viewer's error-handling process failed to release all the locks, causing the viewer to hang. This has been resolved.

6. Thumbnail panel update when loading can cause crashes

When the viewer is running very slowly, for example, when a misconfigured antivirus solution is running, decompression, thumbnail creation and saving is delayed. As the viewer continues downloading the remaining compressed thumbnail data, the packets could get out-of-sync and some data can get released before it is used, causing the viewer to crash. This has been resolved.

7. Viewer cannot access cache file mapping of multiple redirected studies

When opening a cached study from a multiply-redirected server (eg, from a consolidation server for data resident on a grandchild server), the user might receive an invalid study message because the access right object(s) were not yet created. This has been resolved.

8. Login and logout can crash if the connection is broken

The viewer failed to handle an exception, likely the result of a broken network connection, when logging in and out of a server, resulting in a viewer crash. This has been resolved.

9. Stream table crash

The viewer failed to confirm a streaming task record still existed before attempting to access it. This has been resolved.

10. File mapping error after interrupted herpa loading causes crash

The handshake between the cache manager and the viewer (specifically the study pump) could fail if the study pump is blocked but the pump manager removes a study from the list. The cache manager could remove the references after the study closes, but the viewer might attempt to use them when it opens the same study again. This has been resolved.