Customer Release Notes

eRAD PACS
Version 8.0
Viewer Build 90

Release Date January 12, 2023

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New Features and Enhancements

1. **Ping the Service when IPC communication times out**

   When a request issued by the viewer to the cache manager service does not respond within the timeout period, the viewer first pings the service to determine if it is running. Only when the ping fails does the viewer report the lost connection. Otherwise, the viewer continues to wait for the response message.

2. **Log slow disk operation**

   Additional logging has been added when deleting compressed objects from the cache to uncover causes for slow responses.

Resolved Issues

1. **Unsafe thread container initialization**

   The process for initializing large studies with many objects was not thread-safe, causing the viewer to crash when multiple threads attempted to initialize the same container. This has been resolved.

2. **Modality LUT data is not cleared**

   An uninitialized modality LUT structure in the viewer could cause the viewer to crash if the image object defined a modality LUT. This has been resolved.

3. **EPConnect.dll is not updated automatically after Viewer exit**

   The connection termination request was sent to the wrong thread. As a result, the service did not restart between sessions, leaving the previous one active. This has been resolved.

4. **Empty rescale slope attribute results in a black image**

   A change in the DICOM library resulted in a different return code when the viewer extracted the rescale slope value from the object. As a result, a default value wasn't applied when no value was present, causing all pixel values to set to black. This has been resolved.

5. **Unable to append a study to an open session**

   A recent change eliminated a required thumbnail panel refresh. As a result, some series or images failed to appear in the thumbnail panel after appending a study to an active viewer session. This has been resolved.