

1. Study received to DCM4CHEE and is set with Expiration Date (30 days), the Study Expiration Exported ID is indicated:

Study Receive Date Time	(7777,1020)	DT	20250529082808.899+0300
Study Update Date Time	(7777,1021)	DT	20250529082808.907+0300
Study Access Date Time	(7777,1022)	DT	20250529082808.907+0300
Study Expiration Date	(7777,1023)	DA	20250628
Storage IDs of Study	(7777,1028)	LO	fs1
Study Size in KB	(7777,1029)	UL	2018
Study Size Bytes	(7777,102A)	US	462
Study Expiration Exporter ID	(7777,102C)	LO	CopyToNearlineStorage
Study Modified Date Time	(7777,102D)	DT	20250529082808.899+0300

2. I manually change the Expire date to the past and choose correct Exporter:

Set expired date for the study.
Set exporter if you want to export on expiration date too.

Expired Date : 20250528

Exporter : Copy To Nearline Storage

Freeze Expiration Date : Freeze Expiration Date

Protect Study :

CANCEL SAVE

3. In the logs we can see that Exporter was SCHEDULED and later COMPLETED:

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2025-05-29 16:39:07,015 INFO [org.dcm4chee.arc.export.mgt.impl.ExportManagerEJB] (EE-ManagedScheduledExecutorService-default-Thread-3) Create Task{taskID=513, deviceName='dcm4chee-arc', queueName='Nearline Storage Export', type=EXPORT, status=SCHEDULED, scheduledTime=Thu May 29 16:39:07 EEST 2025, numberOfFailures=0, exporterID=CopyToNearlineStorage, studyInstanceUID=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023, seriesInstanceUID=*, sopInstanceUID=*, localAET=DCM4CHEE}
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2025-05-29 16:39:48,301 INFO [org.dcm4chee.arc.qmgt.impl.TaskScheduler] (EE-ManagedExecutorService-default-Thread-532) Start processing Task{taskID=513, deviceName='dcm4chee-arc', queueName='Nearline Storage Export', type=EXPORT, status=IN PROCESS, scheduledTime=2025-05-29 16:39:07.0, numberOfFailures=0, exporterID=CopyToNearlineStorage, studyInstanceUID=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023, seriesInstanceUID=*, sopInstanceUID=*, localAET=DCM4CHEE}
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2025-05-29 16:39:48,347 INFO [org.dcm4chee.arc.store.impl.StoreServiceEJB] (EE-ManagedExecutorService-default-Thread-532) DCM4CHEE: Create Location[pk=478, systemID=nearline, path=2025/05/29/870A980B/81986649/DC3E7BDE, tsuid=1.2.840.10008.1.2.4.50, size=1961844, status=OK, objectType=DICOM_FILE]

2025-05-29 16:39:48,354 INFO [org.dcm4chee.arc.store.impl.StoreServiceEJB] (EE-ManagedExecutorService-default-Thread-532) DCM4CHEE: Create Location[pk=479, systemID=nearline, path=2025/05/29/870A980B/81986649/6057A89F, tsuid=1.2.840.10008.1.2.4.50, size=56618, status=OK, objectType=DICOM_FILE]

2025-05-29 16:39:48,358 INFO [org.dcm4chee.arc.store.impl.StoreServiceEJB] (EE-ManagedExecutorService-default-Thread-532) Associate Study[uid=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023] with Storage[id:nearline]

2025-05-29 16:39:48,363 INFO [org.dcm4chee.arc.delete.impl.DeletionServiceEJB] (EE-ManagedExecutorService-default-Thread-532) Update Storage IDs of Study[pk=80, uid=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023] from [fs1, nearline] to nearline

2025-05-29 16:39:48,398 INFO [org.dcm4chee.arc.delete.impl.PurgeStorageScheduler] (EE-ManagedExecutorService-default-Thread-532) Successfully marked objects of Study[pk=80, uid=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023] at Storage[id=fs1, uri=file:///storage/fs1/] for deletion

2025-05-29 16:39:48,399 INFO [org.dcm4chee.arc.qmgt.impl.TaskManagerEJB] (EE-ManagedExecutorService-default-Thread-532) Finished processing of Task{taskID=513, deviceName='dcm4chee-arc', queueName='Nearline Storage Export', type=EXPORT, status=COMPLETED, scheduledTime=2025-05-29 16:39:07.0, numberOfFailures=0, exporterID=CopyToNearlineStorage, studyInstanceUID=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023, seriesInstanceUID=*, sopInstanceUID=*, localAET=DCM4CHEE}

4. After move from fs1 to nearline refreshed the DCM4CHEE ui2 to confirm that the study moved to nearline:

Study Receive Date Time	(7777,1020)	DT	20250529082808.899+0300
Study Update Date Time	(7777,1021)	DT	20250529163728.914+0300
Study Access Date Time	(7777,1022)	DT	20250529163728.914+0300
Study Expiration Date	(7777,1023)	DA	20250528
Storage IDs of Study	(7777,1028)	LO	nearline
Study Size in KB	(7777,1029)	UL	2018
Study Size Bytes	(7777,102A)	US	462
Study Expiration State	(7777,102B)	CS	EXPORT_SCHEDULED
Study Expiration Exporter ID	(7777,102C)	LO	CopyToNearlineStorage
Study Modified Date Time	(7777,102D)	DT	20250529082808.899+0300

5. After a minute or so the study is deleted from fs1 successfully:

2025-05-29 16:40:37,259 INFO [org.dcm4chee.arc.delete.impl.PurgeStorageScheduler] (EE-ManagedExecutorService-default-Thread-537) Start deletion on Storage[id=fs1, uri=file:///storage/fs1/]

2025-05-29 16:40:37,259 INFO [org.dcm4chee.arc.delete.impl.PurgeStorageScheduler] (EE-ManagedExecutorService-default-Thread-538) Start deletion on Storage[id=nearline, uri=file:///storage/longterm/]

2025-05-29 16:40:37,261 INFO [org.dcm4chee.arc.delete.impl.PurgeStorageScheduler] (EE-ManagedExecutorService-default-Thread-538) Finished deletion on Storage[id=nearline, uri=file:///storage/longterm/]

2025-05-29 16:40:37,267 INFO [org.dcm4chee.arc.delete.impl.PurgeStorageScheduler] (EE-ManagedExecutorService-default-Thread-537) Start deleting 2 objects from Storage[id=fs1, uri=file:///storage/fs1/]

2025-05-29 16:40:37,278 INFO [org.dcm4chee.arc.delete.impl.PurgeStorageScheduler] (EE-ManagedExecutorService-default-Thread-537) Finished deleting 2 (skipped=0, failed=0) objects from Storage[id=fs1, uri=file:///storage/fs1/]

2025-05-29 16:40:37,278 INFO [org.dcm4chee.arc.delete.impl.PurgeStorageScheduler] (EE-ManagedExecutorService-default-Thread-537) Finished deletion on Storage[id=fs1, uri=file:///storage/fs1/]

6. However after few more minutes RejectExpiredStudiesScheduler.execute() starts and it marks this study for rejection and rejects it. Meaning that the study is removed from DCM4CHEE ui2 and cannot be accessible.

2025-05-29 16:42:07,034 INFO [org.dcm4chee.arc.delete.impl.RejectExpiredStudiesScheduler] (EE-ManagedScheduledExecutorService-default-Thread-4) start RejectExpiredStudiesScheduler.execute()

2025-05-29 16:42:07,056 INFO [org.dcm4chee.arc.delete.impl.RejectionServiceImpl] (EE-ManagedScheduledExecutorService-default-Thread-4) Start rejection of 2 instances of Study[UID=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023], Series[UID=null], SOPInstance[UID=null].

2025-05-29 16:42:07,081 INFO [org.dcm4chee.arc.store.impl.StoreServiceEJB] (EE-ManagedScheduledExecutorService-default-Thread-4) DCM4CHEE: RejectedInstance[pk=169, time=Thu May 29 16:42:07 EEST 2025, code=(113039, DCM, "Data Retention Policy Expired")] of Instance[uid=1.3.6.1.4.1.44316.3.300.3.20250529082807.1.893523771408888119260, class=1.2.840.10008.5.1.4.1.1.7] of Series[uid=1.3.6.1.4.1.44316.3.300.2.20250529082807.1.214682610355013250802] of Study[uid=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023]

2025-05-29 16:42:07,087 INFO [org.dcm4chee.arc.store.impl.StoreServiceEJB] (EE-ManagedScheduledExecutorService-default-Thread-4) DCM4CHEE: RejectedInstance[pk=170, time=Thu May 29 16:42:07 EEST 2025, code=(113039, DCM, "Data Retention Policy Expired")] of Instance[uid=1.3.6.1.4.1.44316.3.300.2.481141788790574306649, class=1.2.840.10008.5.1.4.1.1.7] of Series[uid=1.3.6.1.4.1.44316.3.300.2.20250529082807.1.214682610355013250802] of Study[uid=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023]

2025-05-29 16:42:07,124 INFO [org.dcm4chee.arc.store.impl.StoreServiceEJB] (EE-ManagedScheduledExecutorService-default-Thread-4) DCM4CHEE: Create Series[pk=135, uid=2.25.123843291283006381351146707019826749620, no=0, mod=K0]

2025-05-29 16:42:07,125 INFO [org.dcm4chee.arc.store.impl.StoreServiceEJB] (EE-ManagedScheduledExecutorService-default-Thread-4) DCM4CHEE: Create Instance[pk=423, uid=2.25.192798480743103275741570127392524598022, class=1.2.840.10008.5.1.4.1.1.88.59, no=0]

2025-05-29 16:42:07,125 INFO [org.dcm4chee.arc.store.impl.StoreServiceEJB] (EE-ManagedScheduledExecutorService-default-Thread-4) DCM4CHEE: Create Location[pk=480, systemID=fs1, path=2025/05/29/870A980B/7DC79149/A5056E02, tsuid=1.2.840.10008.1.2.1, size=1810, status=OK, objectType=DICOM_FILE]

2025-05-29 16:42:07,149 INFO [org.dcm4chee.arc.store.impl.StoreServiceImpl] (EE-ManagedScheduledExecutorService-default-Thread-4) DCM4CHEE: Updated DB in 92 ms

2025-05-29 16:42:07,172 INFO [org.dcm4chee.arc.delete.impl.RejectionServiceImpl] (EE-ManagedScheduledExecutorService-default-Thread-4) Rejection of 2 instances of Study[UID=1.3.6.1.4.1.44316.3.300.1.20250529082807.90.51252895866550117023], Series[UID=null], SOPInstance[UID=null] completed.

2025-05-29 16:42:07,175 INFO [org.dcm4chee.arc.delete.impl.RejectExpiredStudiesScheduler] (EE-ManagedScheduledExecutorService-default-Thread-4) finished RejectExpiredStudiesScheduler.execute()