

exa-PACS • exa-RIS

Feature Summary

Send Annotated Images from the Viewer


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Preparation: Configure an application entity

To prepare to send annotated images, follow the procedure below to configure an application entity (AE) title for that purpose.

Note: An *AE title* is a named configuration for a DICOM application that includes information such as its type, host computer, and port number. The default AE title for Exa PACS/RIS is **EXA_SCP**, or **EXA_MWL** when acting as a worklist source. These default titles are configured by a Konica Minolta installation engineer.

CAUTION: Failure to correctly configure application entities can cause general failure of DICOM communication between Exa PACS/RIS and those entities.

1. On the burger  menu, select **SETUP**.
2. On the **OFFICE** menu, select **DICOM**.
3. On the **AE TITLE** tab, select **ADD**.
4. In the **AE Type** list select **SEND**.
5. Enter the following settings, and then select **SAVE**.

Setting	Description
AE Type	Select one or more transactions that Exa PACS/RIS makes with the AE.
AE Title (Remote)	Type the title of the AE. If an AE title is pre-configured on the device hosting the AE, use the same title.
Ignore Scan Docs (Send)	Select to prevent sending of scanned documents to the AE (only DICOM studies are sent).
My AE Title	Type a title to set the identity of Exa PACS/RIS individually for each DICOM node. In most cases, leave blank to use the default (EXA_SCP for PACS/RIS functions, and EXA_MWL for modality worklist functions).
Host Name	Type the host name or IP address of the AE.
Description	Type a description for easy identification of the AE.
Disable QC2LIVE	Select to disable the automatic transfer of studies from QC to live.
Retries	Type the number of times the system attempts to reconnect with the AE after a communication failure.
Send Single Instance per Study	Select to send one image per study.
Max Concurrent	Type the maximum number of concurrent threads that the system can use for the transaction.

Facility	Select the facility to associate with the AE.
Send Annotations as	Select how to process annotations for sending. Burned in: "Flattens" the image and overlay into a single image. DICOM Overlay: Converts the annotations to a DICOM overlay and sends along with the study. GSPS/PR Object: Converts the annotations to a presentation state and sends along with the study.
Send Unique Image UID from Viewer	Select to generate a new UID for each image (rather than just for the series or study).
Issuer Type	Select the type of issuer of PID: None - DICOM receive and query/retrieve takes place as if no issuer was configured. Static - Select a pre-configured issuer in the Issuer list. Dynamic - Automatically define the issuer based on retrieved results, and allow multiple issuer/alternate ID combinations.
Issuer	When you select an issuer type of Static, select the entity that issues the patient's PID, MRN, or account number. This makes available tracking and correct assignment of account numbers for sending and receiving studies when more than one are available.
AE Flag	Select one of the following services to use to send studies. DICOM: C-MOVE DICOM SSL: C-MOVE, secured HL7: Standard HL7 protocols. OPAL: The Opal Transfer service.
Institution	Type the name of the institution for easier identification.
File Store	Select a file store for storing received data.
Port	Type the port number through which the AE can connect to Exa PACS/RIS (the Exa PACS/RIS listening port).
Require SSL	Select this checkbox if: 1) you selected the DICOM SSL AE flag; and 2) the port number requires an SSL certificate.
Transfer Syntax (Send)	Select the transfer syntax for sending.
Transfer Syntax (Receive)	Select the transfer syntax for storing and receiving.
Vehicle	Select vehicles to which to assign received studies.
SDE Modality	Select if the AE is a dedicated echo ultrasound.
Include Approved Reports	Select to include approved reports when sending as DICOM. Note: When DICOM-sending, the report status (such as Approved or Transcribed) is not included. To include the status, send via Opal.

DICOM - [Menu Icon] [Power Icon]

AE TITLE | FILE STORE | ROUTING RULES | AE SCRIPTS | RECEIVER RULES | MATCHING RULES | HANGING PROTOCOL >

SAVE | PING | DICOM ECHO | BACK

AE Type *
 SEND
 PRINT
 RECEIVE
 QUERY/RETRIEVE

AE Title (Remote) * EXA_SCP Inactive
 Ignore Scan Docs (Send)

My AE Title

Host Name * 127.0.0.1
Description * Teaching Disable QC2LIVE

Retries 0
 Send Single Instance per Study

Max Concurrent 1

Facility * My Company *
Send Annotations as Burned in
Send Unique Image UID
From Viewer

Issuer Type * None Static Dynamic

AE Flag Select
Institution

File Store * Exa Server
Port * 104 Require SSL
Transfer Syntax (Send) JPEG 2000 Image Compression
Transfer Syntax (Receive) JPEG 2000 Image Compression

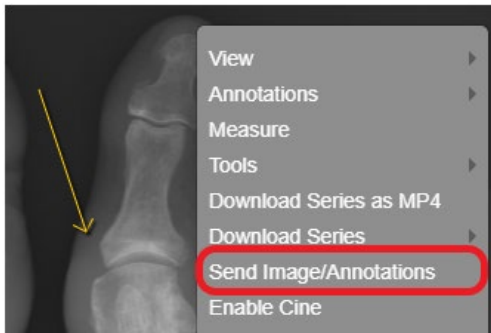
Vehicle

SDE Modality
Include Approved Report

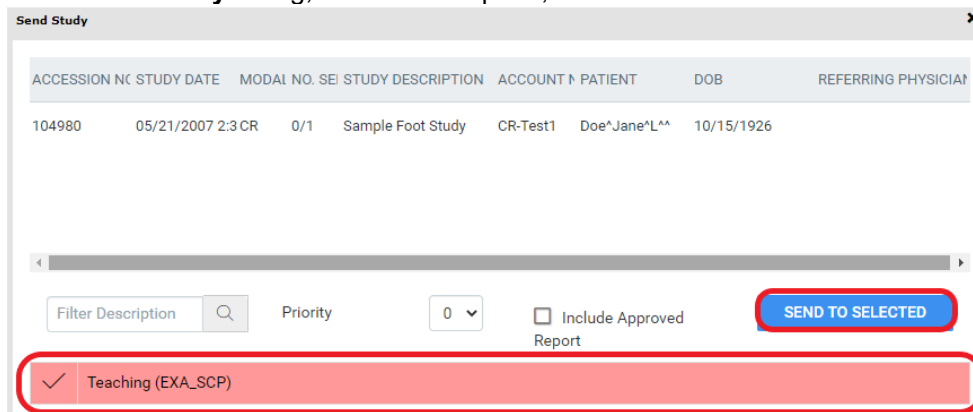
Send an annotated image from the viewer

You can send an annotated image that is open in the viewer to an application entity. The annotations are included with the image according to the method you specify in the **Send Annotations as** setting you configured earlier.

1. Open an image in the viewer.
2. Add annotations and **SAVE**.
3. Right-click the image and select **Send Image/Annotations**.



4. In the **Send Study** dialog, in the bottom pane, select one or more AEs.



5. Select **SEND TO SELECTED**.
6. Optional. In **Viewer Settings**, on the **General** tab, select **Auto Send Annotated Images on Close**. This sends the annotated image back to its original AE.