exa-PACS · exa-RIS

Feature Summary

Relevant Priors, Viewer Settings, Routing Rules

About relevant priors in Exa PACS/RIS

Relevant priors settings allow you to auto-open only priors that are "relevant" to the current study based on study description, appointment type, or body part. You can configure relevant prior settings in routing rules for sending priors with studies or in viewer settings. The locations of these settings are:

- **Routing rules**
  Setup > **DICOM** > **Routing Rules**

- **Viewer Settings**
  Viewer Settings > **Modality** > [Specific modality] > **Prior Options**.

Relevant prior settings in routing rules

When you create a routing rule to send studies you can add "relevant prior logic" (based on regular expressions and "contains" logic) to define which priors are relevant (which priors to send along with the study). After selecting the relevant priors options (see below), a table appears for entering your relevant prior logic. To use this table, refer to the following examples.

- To send only priors of a specific body part or description, type the body part or description in the corresponding columns of the table. For example, to only open images of the knee, in the **Main Study Description** cell, type "Knee".
- To send priors of specific modalities, select the modality in dropdowns. Leaving it blank applies to all modalities. Generally, the preference is to pull priors based on relevant description for other modalities.
- To send priors for more than one item, you can type each item on its own row of the table. You can also specify multiple items on one line by delimiting them with a bar.
- Use wildcards and regular expressions. For example, to specify studies of the left knee having specific laterality, you can type the following.

  KNEE*(LEFT|LT|BI)

- The above regular expression means: Study description contains KNEE, followed by zero or more characters, followed by LEFT, LT, or BI.
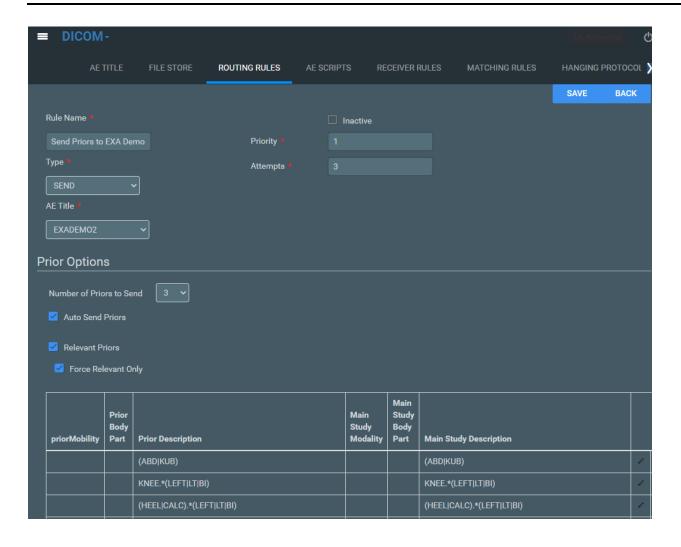
Relevant priors options

The following options are available.

☑ **Number of Priors to Send:** Maximum number of priors to send to the destination system.

☑ **Auto Send Priors**: Automatically sends priors based on modality.

☑ **Relevant Priors:** Sends relevant priors as defined by the user's relevant prior logic in the table, and also sends all priors for the modality, as usual.

☑ **Force Relevant Only:** Sends only the user-defined relevant priors.

Note: Auto Send Priors auto-sends the same modality regardless of study description or body part. This is due to these fields being custom for each site.

DICOM

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

SAVE   BACK

Rule Name *

Send Priors to EXA Demo

Priority *   1

Type *

SEND

Attempts *   3

AE Title *

EXADEMO2

☐ Inactive

Prior Options

Number of Priors to Send   3

☑ Auto Send Priors

☑ Relevant Priors

☑ Force Relevant Only

priorMobility	Prior Body Part	Prior Description	Main Study Modality	Main Study Body Part	Main Study Description	
		(ABD|KUB)			(ABD|KUB)	✎
		KNEE.*(LEFT|LT|BI)			KNEE.*(LEFT|LT|BI)	✎
		(HEEL|CALC).*(LEFT|LT|BI)			(HEEL|CALC).*(LEFT|LT|BI)	✎

Default relevant prior list:

```
(CHEST|THORAX|CH 2 VIEWS|CXR|PCXR|LUNG|CARDIAC|HEART|CORONARY)
(CERVICAL|CRV|C-SPINE|C SPINE|CSP|NECK)
(THORACIC|T-SPINE|T SPINE|TSP)
(LUMBAR|L-SPINE|L SPINE|LSP)
(ABDOMEN|ABD|KUB|ABDOMINAL|RETROPERITONEUM|KIDNEY|KIDNEYS|RENAL)
(PELVIS|HIP|SI JOINT).*(1 OR 2 VIEWS|LEFT|LT|RIGHT|RT|BI)
(KNEE|PATELLA).*(LEFT|LT|BI)
(KNEE|PATELLA).*(RIGHT|RT|BI)
(CLAVICLE|SCAPULA|SHOULDER|AC JOINT|SC JOINT).*(LEFT|LT|BI)
(CLAVICLE|SCAPULA|SHOULDER|AC JOINT|SC JOINT).*(RIGHT|RT|BI)
(HEAD/BRAIN|BRAIN|CRANIAL|BRN|HEAD|MANDIBLE|FACIAL|NASAL|SINUS|TEMPORAL|ORB)
LOWER EXT.*(LEFT|LT|BI)
UPPER EXT.*(LEFT|LT|BI)
LOWER EXT.*(RIGHT|RT|BI)
UPPER EXT.*(RIGHT|RT|BI)
ANKLE.*(RIGHT|RT|BI)
ANKLE.*(LEFT|LT|BI)
FOOT.*(RIGHT|RT|BI)
FOOT.*(LEFT|LT|BI)
HAND.*(RIGHT|RT|BI)
```

```
HAND.*(LEFT|LT|BI)
ELBOW.*(LEFT|LT|BI)
ELBOW.*(RIGHT|RT|BI)
WRIST.*(RIGHT|RT|BI)
WRIST.*(LEFT|LT|BI)
(TIB/FIB|TIB FIB|TIBFIB).*(RIGHT|RT|BI)
(TIB/FIB|TIB FIB|TIBFIB).*(LEFT|LT|BI)
HUMERUS.*(LEFT|LT|BI)
HUMERUS.*(RIGHT|RT|BI)
FOREARM.*(LEFT|LT|BI)
FOREARM.*(RIGHT|RT|BI)
FINGERS.*(RIGHT|RT|BI)
FINGERS.*(LEFT|LT|BI)
FEMUR.*(RIGHT|RT|BI)
FEMUR.*(LEFT|LT|BI)
FOOT.*(LEFT|LT|BI)
FOOT.*(RIGHT|RT|BI)
TOES.*(LEFT|LT|BI)
TOES.*(RIGHT|RT|BI)
(OS CALCIS|CALC).*(LEFT|LT|BI)
(OS CALCIS|CALC).*(RIGHT|RT|BI)
(PET|PT&CT)
(OBSTETRICAL|OB|TRIMESTER)
(ARTERIAL DUPLEX BILATERAL LOWER|LEFT LOWER EXTREMITY ARTERIES|RIGHT LOWER
EXTREMITY ARTERIES)
(BILATERAL UPPER EXTREMITY ARTERIES|RIGHT UPPER EXTREMITY ARTERIES|LEFT UPPER
EXTREMITY ARTERIES)
LOWER EXTREMITY ARTERIES.*(LEFT|LT|BI)
LOWER EXTREMITY ARTERIES.*(RIGHT|RT|BI)
UPPER EXTREMITY ARTERIES.*(LEFT|LT|BI)
UPPER EXTREMITY ARTERIES.*(RIGHT|RT|BI)
AXILLA.*(LEFT|LT|BI)
AXILLA.* (RIGHT|RT|BI)
(BREAST|MAM)
(BREAST|MAM).* (RIGHT|RT|BI)
(BREAST|MAM).* (LEFT|LT|BI)
INGUINAL.*(LEFT|LT|BI)
INGUINAL.* (RIGHT|RT|BI)
(PELVIS|PEL|PERINEUM|PELVIC|OB|OBSTETRICAL|TRIMESTER)
(SCROTUM|TESTIS|TESTICULAR)
(NECK|THYROID|CERVICAL|CAROTID)
VENOUS DUPLEX.*(BILATERAL LOWER|LEFT LOWER)
VENOUS DUPLEX.*(BILATERAL LOWER|RIGHT LOWER)
VENOUS DUPLEX.*(BILATERAL UPPER|RIGHT UPPER)
VENOUS DUPLEX.*(BILATERAL UPPER|LEFT UPPER)
```

Relevant prior settings in modality settings

When you select Relevant Priors (see options below) in the Modality area of the viewer settings, a table appears for entering relevant prior logic that determines which relevant priors to open. To use this table, refer to the following examples.

- To open only priors of a specific modality, body part, or description, type the criterion in the corresponding columns of the table. For example, to only open images of the knee, in the **Main Study Description** cell, type "Knee".

- To open priors for more than one item, you can type each item on its own row of the table. You can also specify multiple items on one line by delimiting with a bar. For example, to open mammograms and ultrasounds, in the **Modality** cell, type MG|US.

- Use wildcards and regular expressions. For example, to specify CTs of the left knee having specific laterality, you can type the following.

    KNEE*(LEFT|LT|BI)

- **Note**: The above regular expression means: Study description contains KNEE in the study description, followed by zero or more characters, followed by LEFT, LT, or BI.

Relevant priors options

The following options are available.

    ☑ **Auto Open Prior**: Automatically opens priors based on modality.

    ☑ **Relevant Priors:** Opens user-defined relevant priors, and also opens all priors for the modality, as usual.

    Auto Open Prior count: When automatically opening priors, opens only the selected number of studies.

    ☑ **Force Relevant Only:** Opens only user-defined relevant priors.

    ☑ **Prioritize Current Modality First:** When opening relevant priors, display same-modality priors first.

Note: Auto Open Priors auto-opens priors of the same modality regardless of study description or body part. This is due to these fields being custom for each site.

In an attempt to streamline the process, there are defaults built under the "radtest" user in most servers.
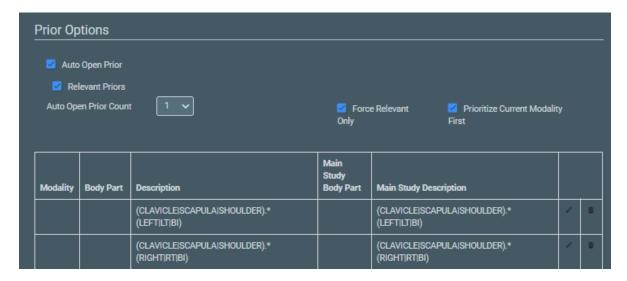
Example 1

The following relevant prior logic auto-opens only CT Chest studies.

Example 2

The following relevant prior logic opens all shoulders when looking at a CT shoulder but opens CT priors first. The laterality of the prior and main study should match (e.g. Right shoulder = Right shoulder).

CT:

```
(CHEST|THORAX|CH 2 VIEWS|CXR|PCXR|LUNG|CARDIAC|HEART|CORONARY)
(CERVICAL|CRV|C-SPINE|C SPINE|CSP|NECK)
(THORACIC|T-SPINE|T SPINE|TSP)
(LUMBAR|L-SPINE|L SPINE|LSP)
(ABD|KUB|CAP)
(PELVIS|HIP).*(1 OR 2 VIEWS|LEFT|LT|RIGHT|RT|BI)
KNEE.*(LEFT|LT|BI)
KNEE.*(RIGHT|RT|BI)
(CLAVICLE|SCAPULA|SHOULDER|AC JOINT|SC JOINT).*(LEFT|LT|BI)
(CLAVICLE|SCAPULA|SHOULDER|AC JOINT|SC JOINT).*(RIGHT|RT|BI)
(HEAD/BRAIN|BRAIN|BRN|HEAD|MANDIBLE|FACIAL|NASAL|SINUS|TEMPORAL|ORB)
LOWER EXT.*(LEFT|LT|BI)
UPPER EXT.*(LEFT|LT|BI)
LOWER EXT.*(RIGHT|RT|BI)
```

```
UPPER EXT.*(RIGHT|RT|BI)
ANKLE.*(RIGHT|RT|BI)
ANKLE.*(LEFT|LT|BI)
FOOT.*(RIGHT|RT|BI)
FOOT.*(LEFT|LT|BI)
HAND.*(RIGHT|RT|BI)
HAND.*(LEFT|LT|BI)
ELBOW.*(LEFT|LT|BI)
ELBOW.*(RIGHT|RT|BI)
WRIST.*(RIGHT|RT|BI)
WRIST.*(LEFT|LT|BI)
(TIB/FIB|TIB FIB|TIBFIB).*(RIGHT|RT|BI)
(TIB/FIB|TIB FIB|TIBFIB).*(LEFT|LT|BI)
(PET|PT&CT)
```

MR:

```
(CHEST|THORAX|CH 2 VIEWS|CXR|PCXR|LUNG|CARDIAC|HEART|CORONARY)
(CERVICAL|CRV|C-SPINE|C SPINE|CSP|NECK)
(THORACIC|T-SPINE|T SPINE|TSP)
(LUMBAR|L-SPINE|L SPINE|LSP)
(ABD|KUB|CAP)
(PELVIS|HIP).*(1 OR 2 VIEWS|LEFT|LT|RIGHT|RT|BI)
KNEE.*(LEFT|LT|BI)
KNEE.*(RIGHT|RT|BI)
(CLAVICLE|SCAPULA|SHOULDER|AC JOINT|SC JOINT).*(LEFT|LT|BI)
(CLAVICLE|SCAPULA|SHOULDER|AC JOINT|SC JOINT).*(RIGHT|RT|BI)
(HEAD/BRAIN|BRAIN|BRN|HEAD|MANDIBLE|FACIAL|NASAL|SINUS|TEMPORAL|ORB)
(BREAST|MAM)
LOWER EXT.*(LEFT|LT|BI)
UPPER EXT.*(LEFT|LT|BI)
LOWER EXT.*(RIGHT|RT|BI)
UPPER EXT.*(RIGHT|RT|BI)
ANKLE.*(RIGHT|RT|BI)
ANKLE.*(LEFT|LT|BI)
FOOT.*(RIGHT|RT|BI)
FOOT.*(LEFT|LT|BI)
HAND.*(RIGHT|RT|BI)
HAND.*(LEFT|LT|BI)
ELBOW.*(LEFT|LT|BI)
ELBOW.*(RIGHT|RT|BI)
WRIST.*(RIGHT|RT|BI)
WRIST.*(LEFT|LT|BI)
(TIB/FIB|TIB FIB|TIBFIB).*(RIGHT|RT|BI)
(TIB/FIB|TIB FIB|TIBFIB).*(LEFT|LT|BI)
```

US:

```
(HEAD|CRANIAL)
(OBSTETRICAL|OB|TRIMESTER)
(ARTERIAL DUPLEX BILATERAL LOWER|LEFT LOWER EXTREMITY ARTERIES|RIGHT LOWER
EXTREMITY ARTERIES)
(ABDOMEN|ABD|ABDOMINAL|RETROPERITONEUM|KIDNEY|KIDNEYS|RENAL)
TEMPORAL ARTERY
(BILATERAL UPPER EXTREMITY ARTERIES|RIGHT UPPER EXTREMITY ARTERIES|LEFT UPPER
EXTREMITY ARTERIES)
LOWER EXTREMITY ARTERIES.*(LEFT|LT|BI)
```

```
LOWER EXTREMITY ARTERIES.*(RIGHT|RT|BI)
UPPER EXTREMITY ARTERIES.*(LEFT|LT|BI)
UPPER EXTREMITY ARTERIES.*(RIGHT|RT|BI)
(CHEST|THORAX|CH 2 VIEWS|CXR|PCXR|LUNG|CARDIAC|HEART|CORONARY)
AXILLA.*(LEFT|LT|BI)
AXILLA.* (RIGHT|RT|BI)
(BREAST|MAM).*(RIGHT|RT|BI)
(BREAST|MAM).*(LEFT|LT|BI)
INGUINAL.*(LEFT|LT|BI)
INGUINAL.*(RIGHT|RT|BI)
(PELVIS|PEL|PERINEUM|PELVIC|OB|OBSTETRICAL|TRIMESTER)
(SCROTUM|TESTIS|TESTICULAR)
(NECK|THYROID|CERVICAL|CAROTID)
VENOUS DUPLEX.*(BILATERAL LOWER|LEFT LOWER)
VENOUS DUPLEX.*(BILATERAL LOWER|RIGHT LOWER)
VENOUS DUPLEX.*(BILATERAL UPPER|RIGHT UPPER)
VENOUS DUPLEX.*(BILATERAL UPPER|LEFT UPPER)
```

CR/DX:

```
(CHEST|THORAX|CH 2 VIEWS|CXR|PCXR|LUNG|CARDIAC|HEART|CORONARY)
(CERVICAL|CRV|C-SPINE|C SPINE|CSP|NECK)
(THORACIC|T-SPINE|T SPINE|TSP)
(LUMBAR|L-SPINE|L SPINE|LSP)
(ABD|KUB|CAP)
(PELVIS|HIP|SI JOINT).*(1 OR 2 VIEWS|LEFT|LT|RIGHT|RT|BI)
(KNEE|PATELLA).*(LEFT|LT|BI)
(KNEE|PATELLA).*(RIGHT|RT|BI)
(CLAVICLE|SCAPULA|SHOULDER|AC JOINT|SC JOINT).*(LEFT|LT|BI)
(CLAVICLE|SCAPULA|SHOULDER|AC JOINT|SC JOINT).*(RIGHT|RT|BI)
(HEAD/BRAIN|BRAIN|BRN|HEAD|MANDIBLE|FACIAL|NASAL|SINUS|TEMPORAL|ORB)
LOWER EXT.*(LEFT|LT|BI)
UPPER EXT.*(LEFT|LT|BI)
LOWER EXT.*(RIGHT|RT|BI)
UPPER EXT.*(RIGHT|RT|BI)
ANKLE.*(RIGHT|RT|BI)
ANKLE.*(LEFT|LT|BI)
FOOT.*(RIGHT|RT|BI)
FOOT.*(LEFT|LT|BI)
HAND.*(RIGHT|RT|BI)
HAND.*(LEFT|LT|BI)
ELBOW.*(LEFT|LT|BI)
ELBOW.*(RIGHT|RT|BI)
WRIST.*(RIGHT|RT|BI)
WRIST.*(LEFT|LT|BI)
(TIB/FIB|TIB FIB|TIBFIB).*(RIGHT|RT|BI)
(TIB/FIB|TIB FIB|TIBFIB).*(LEFT|LT|BI)
HUMERUS.*(LEFT|LT|BI)
HUMERUS.*(RIGHT|RT|BI)
FOREARM.*(LEFT|LT|BI)
FOREARM.*(RIGHT|RT|BI)
FINGERS.*(RIGHT|RT|BI)
FINGERS.*(LEFT|LT|BI)
FEMUR.*(RIGHT|RT|BI)
FEMUR.*(LEFT|LT|BI)
FOOT.*(LEFT|LT|BI)
FOOT.*(RIGHT|RT|BI)
```

```
TOES.*(LEFT|LT|BI)
TOES.*(RIGHT|RT|BI)
(OS CALCIS|CALC).*(LEFT|LT|BI)
(OS CALCIS|CALC).*(RIGHT|RT|BI)
```