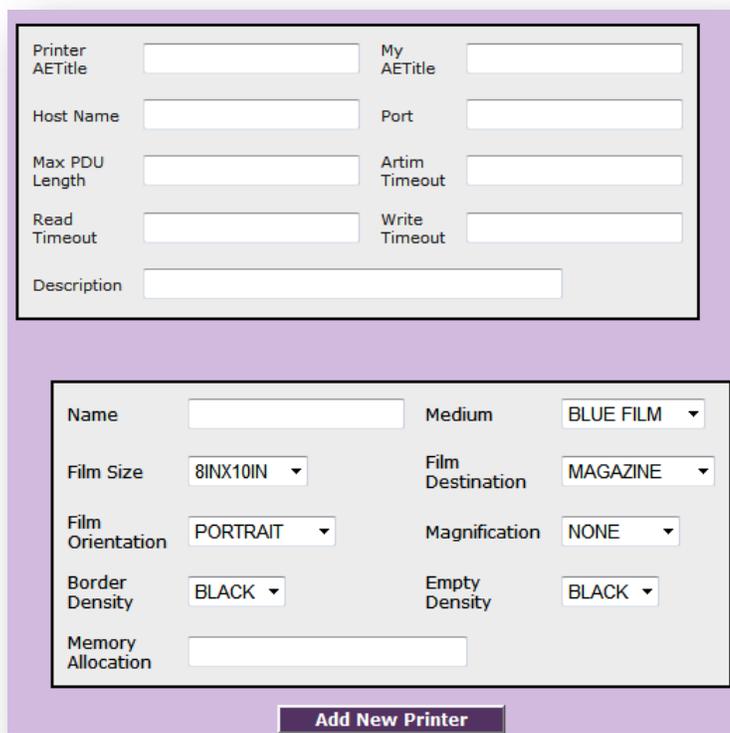


Setting Up a DICOM Printer in Opal-RAD

This document will help you create an entry in Opal-RAD for a DICOM printer based on the most common default values used. However these values are to be superseded by the actual specification from your printer's "Conformance Statement".

To configure a DICOM Printer in Opal-RAD:

1. Log into Opal-RAD (client or Web) as user of the Admin Group.
2. Go to the **Admin** tab
3. From the left side drop-down go under **DICOM** and then select **Printer Settings**.
4. Click on the **Add New** button. The following screen will be displayed



The screenshot shows a web-based form for adding a new DICOM printer. The form is divided into two main sections. The top section contains input fields for: Printer AETitle, My AETitle, Host Name, Port, Max PDU Length, Artim Timeout, Read Timeout, Write Timeout, and a Description field. The bottom section contains dropdown menus for: Name, Medium (set to BLUE FILM), Film Size (set to 8INX10IN), Film Destination (set to MAGAZINE), Film Orientation (set to PORTRAIT), Magnification (set to NONE), Border Density (set to BLACK), Empty Density (set to BLACK), and a Memory Allocation field. At the bottom of the form is a button labeled "Add New Printer".

5. Fill in the proper values on the first section, related to its AETitle, IP address, Port, etc. In order to add a new DICOM Printer to Opal-RAD (the DICOM printer must have been already setup and configure and placed in the same network of Opal-RAD).
 - a. **Printer AETitle**, here you type in the name of the Printer's AETitle (Application Entity title) which the external name as it was created when the printer was configured.
 - b. **My AETitle**, this is the AE name of the Opal-RAD server which could be any name. We will use **OPAL_SRV** as an example.
 - c. **Host Name**, here you will input the I.P. address of the DICOM Printer.
 - d. **Port**, the DICOM port of the printer, usually is **104**.
 - e. **Max PDU Length**, (maximum Protocol Data Unit packet size), should not be 0 or too large, you can default with a value of 60.
 - f. **Artim Timeout**, the time-out waiting for acceptance or rejection response to an Association Open Request, a low value is recommended, such as 30.
 - g. **Read Timeout & Write Timeout** likewise could be set to a low value.
 - h. **Description**, label by which you will select or identify this printer in Opal-RAD.

6. In the Configuration section (second box from image above), you can configure specific settings such as the size of film (according to Printer capabilities and options), orientation (usually PORTRAIT), border density (normally BLACK), medium (usually BLUE), film destination (Magazine or Processor), magnification (usually None) and empty density (normally BLACK).

Note – if the Dicom Printer can be used simultaneously to print different sizes of cassette, i.e.: 8"x11", 11 x 17", etc., you can create a new printer entry with a different configuration type.

Name	<input type="text"/>	Medium	BLUE FILM ▾
Film Size	8INX12IN ▾	Film Destination	MAGAZINE ▾
Film Orientation	PORTRAIT ▾	Magnification	NONE ▾
Border Density	BLACK ▾	Empty Density	BLACK ▾
Memory Allocation	<input type="text"/>		