Configuring

Defining PCLOut printer devices

PCLOut printer devices represent Printer Command Language (PCL) printers. They print jobs that are submitted in AFP format and converted to PCL format.

You cannot use the RICOH ProcessDirector actions **Jump** and **Continue** with jobs that are submitted to PCLOut printers. You can only use the **Stop** action on a job that is printing on a PCLOut printer if you request the action while the Print Services Facility (PSF) printer driver is transforming the job to PCL.
To define a PCLOut printer device:

1. Click the **Administration** tab.
2. In the left pane, click **Devices ⇒ Printers**.
3. Click **Add ⇒ PCLOut Printer**.
4. On the **General** tab, fill in values for all the required fields.
5. On the **Scheduling** tab, set values for the properties that you want to use to schedule jobs to this printer. If you leave values blank, they match any value that is set in the corresponding job scheduling properties.
   For example, set these properties to schedule jobs based on media, output bins, and punching and stapling functions of the printer:
   - **Media supported**
     If you choose specific media, only jobs that use that media can be scheduled to this printer. If you choose **Ready media objects**, only jobs that require the media that is currently loaded in the printer can be scheduled to the printer. If you choose **All media**, all jobs can be scheduled to the printer, regardless of what media is actually loaded.
   - **Output bins available**
     Any output bin that can be installed on the printer is considered available, although on some printers you cannot install all the output bins at the same time.
   - **Punch capable**
   - **Staple capable**
6. On the **SNMP** tab, make sure that the **Use SNMP** and **Get tray information from printer** properties are set to **Yes**.
7. On the remaining tabs, fill in values for any of the optional fields:
   1. The default is that the printer driver reports status information in the language that you selected when you installed the RICOH ProcessDirector server. To receive messages from this printer in a different language, set the **Printer language** property appropriately.
   2. If you want the printer to print duplex jobs, set the **Duplex** property to **Yes**. PCLOut printers do not honor duplex settings specified in the **Duplex** job property.
8. Click **OK**.
9. Configure the media settings for the printer.
   1. From the **Printers** panel, select the new printer.
   2. Click **Actions ⇒ Show Trays**.
   3. Select each tray individually and click **Set tray media**. Choose the media loaded in that tray and click **OK**.
      If the Media does not exist, you can create it.
10. Create a print queue with the same name as the PCLOut printer.
    - **On a Red Hat-derived operating system:**

      Note:
      - Make sure you meet these pre-requisites:
        - You have configured CUPS.
        - You have permissions in CUPS to manage printers.

      1. Log in as the root user.
      2. Use a browser and access `https://hostname:631/admin/`, where *hostname* is the host name or IP address.
      3. Click **Add printer**.
      4. Go to **Other Network Printers** and select **LPD/LPR Host or Printer**.
      5. In the connection field, type the hostname or IP address of the system where the LPD input device is defined. For example:
         `lpd://hostname/queue`

         where *hostname* is the host name or IP address and *queue* is the queue name.

6. Click **Continue**.
7. In the **Add Printer** dialog, enter the name, description, and location of the printer.
8. Click **Continue** to select the printer make and model.
9. Click **Add Printer**.
10. Set the default options in the next dialog and click **Set Default Options**.

- **On a Linux SLES 12.0 system:**
  1. Log in to the operating system as the root user.
  2. Start YaST.
  3. Click **Hardware ⇒ Printer**. With **Printer Configurations** highlighted, click **Add**. Click **Connection Wizard**, and then select **Line Printer Daemon (LPD) Protocol**.
  4. In the **IP Address or Host Name** field, type the host name or IP address of the physical printer.
  5. Type `PASS` in the **Queue Name** field. Select the printer manufacturer, and click **OK**.
  6. In the **Set Arbitrary Name** field, type the name of the PCLOut printer. This name must be unique on this Linux system. Although printer names are case-sensitive, Linux does not allow you to define multiple printer names that are alike except for case. For example, you cannot define one printer device called `OfficePrinter` and another called `officeprinter`.
  7. Select a printer driver, then click **OK**.

Examples of the Printer command property

You can set the **Printer command** property of a PCLOut printer called `officeprinter` to either of these commands.

```
lpr -P officeprinter
lprafp -pofficeprinter
```

Note:
- PCLOut printers do not support RICOH ProcessDirector symbols such as `${Job.Name}` in the PCLOut printer command.

Parent topic: Defining printer objects