

Xerox EPS LCDS Filters

This document provides instructions for installing and using the Xerox EPS LCDS Filters (XELF). It explains how to:

- Start the XELF GUI
- Add the license and filters
- Test the filters
- Set up LPR and EPS
- Submit jobs

Installing XELF

Step 1. Place the Xerox EPS LCDS Filters software CD in the CD-ROM drive.

Step 2. Open a Terminal window and logon as root. Enter your root password when prompted. Use this Terminal window to complete the remaining steps in the installation.

Step 3. Mount the CD-ROM drive.

Enter: **volcheck**

Step 4. Change to the CD-ROM directory.

Enter: **cd /cdrom/cdrom0**

Step 5. Execute the installation script.

Enter: **./install.sh**

You will receive the following response:

```
Welcome to the Xerox EPS LPR Filters installation program.  
This program will install or upgrade the Xerox EPS LPR Filters  
package on the system.  
Do you want to continue with the installation? [y/n]:y
```

Enter **Y** to complete the installation. You will receive the following response.

```
>> Adding Xerox EPS LPR Filters packages to system...

XRXelf

Processing package instance <XRXelf> from </var/tmp>

Xerox EPS LPR Filter Components
(sparc) Xerox
Xerox Corporation
Using </> as the package base directory.
## Processing package information.
## Processing system information.
    1 package pathname is already properly installed.

Installing Xerox EPS LPR Filter Components as <XRXelf>

## Installing part 1 of 1.
/opt/XRXelf/VER
/opt/XRXelf/lib/license/auth_tool
/opt/XRXelf/main/addfilter.sh
/opt/XRXelf/main/deletefilter.sh
/opt/XRXelf/main/modifyfilter.sh
/opt/XRXelf/main/reconfigure.sh
/opt/XRXelf/model/xelf_imodel.src
/opt/XRXelf/transform/A2Exfrm
/opt/XRXelf/transform/ASCxfrm
/opt/XRXelf/transform/DMxfrm
/opt/XRXelf/transform/EBCxfrm
[ verifying class <none> ]

Installation of <XRXelf> was successful.

The Xerox EPS LPR Filters package was successfully added.
>> The installation is now complete.
```

The software is now installed in the /opt/XRXelf directory.

Opening the XELF window

- Step 1.** Open a Terminal window and logon as root. Enter your root password when prompted.
- Step 2.** Open the XELF window.
Enter: **/opt/XRXelf/startXelfGUI.sh**
- Step 3.** Exit the root logon, so that you can close the Terminal window without the XELF window also closing.

Adding a license

- Step 1.** Open the XELF window.
- Step 2.** Select **Setup->Filter License...**
- Step 3.** In the License String field, enter the 20-character license string you received from Xerox.
- Step 4.** In the Day, Month, and Year fields, enter your license expiration date values.
- Step 5.** Click **OK** to validate and save the license information. Another window will appear stating the license is validated. Click **OK** again.

Managing the filters

This section explains how to add, modify, delete, and test the filters.

Adding a filter

A filter consists of these parts:

- Filter type
- Input queue (from lpr command)
- Output queue (to EPS printer)
- Filter user description



NOTE: You may define multiple input queues that point to the same output queue. An input queue can only be associated with one filter and one output queue.

To set up a filter:

- Step 1.** Open the XELF window.
- Step 2.** At the XELF GUI window, select **Filter->Add...** to display the Add Filter dialog box.

The screenshot shows a dialog box titled "Add New Filter". It contains the following elements:

- Input Mode:** Two radio buttons. The first is labeled "LPR" and is selected. The second is labeled "Direct Socket Interface (DSI)".
- Input Queue:** A text input field.
- Filter Type:** A dropdown menu currently displaying "DMerge Filter".
- Output Queue:** A text input field with a small downward arrow on its right side.
- Comment:** A text input field.
- Buttons:** "OK" and "Cancel" buttons at the bottom right.



NOTE: Do not select Direct Socket Interface (DSI) for the filter's input mode.

- Step 3.** In the Input Queue field, enter the name of the input queue that will receive jobs for filtering. This queue name must be the same as the queue name you enter in the lpr command and cannot be an EPS queue.
- Step 4.** Select an available filter type from the pull-down list.
- Step 5.** In the Output Queue field, enter or select an EPS queue to which filtered jobs will be spooled for printing.
- Step 6.** In the Comment field, enter descriptive comments to identify this filter.
- Step 7.** Click **OK** to complete this task.

Modifying a filter

- Step 1.** Open the XELF window.
- Step 2.** Select an available filter for modifying.
- Step 3.** Select **Filter->Modify...** to display the Modify Filter dialog box.



NOTE: Do not select Direct Socket Interface (DSI) for the filter's input mode.

- Step 4.** Select an available filter type.
- Step 5.** In the Output Queue field, enter or select an EPS queue to which filtered jobs will be spooled for printing.
- Step 6.** Enter descriptive comments to identify this filter.
- Step 7.** Click **OK** to complete this task.

Deleting a filter

- Step 1.** Open the XELF window.
- Step 2.** Select an available filter for deleting.
- Step 3.** Select **Filter->Delete** to display the delete confirmation window and click **OK**.
- Step 4.** Click **OK** again to confirm the deletion.

Testing the filters

- Step 1.** Open the XELF window.
- Step 2.** Select an available filter for testing.
- Step 3.** Select **Filter->Printer Sample Job** to print a sample job using the defined filter.
- Step 4.** Verify that the job was successfully spooled to the printer.

Setting up LPR

After setting up a filter, set up the client to LPR the print data to the input queue defined for the appropriate XELF filter.

Setting up EPS

Complete these activities to set up EPS to receive the filtered data stream:

- Assure the resources needed for the job are in the correct EPS directory.
- Create the EPS queue you specified as output queue in the filter; you will specify Spooling input, print as destination, and LCDS as the Default Format. Specify the initial JDL, JDE, and FRM, and the input resolution.

Loading the resources

Load the needed resources for your LCDS job into this directory on the EPS printer:

/opt/XRXnps/resources/lcds

Creating and customizing the EPS queue

To create the EPS queue to receive the data from the filter:

Step 1. In the EPS Queue Manager, select **New Queue**.

Step 2. In the queue Properties tab:

- Type the name of the queue in the Queue Name field. This must match the Output Queue name you specified in the XELF filter you are going to use.
- In the Input area, select **Spooling**. Select **LCDS** from the Default Format pull-down.
- In the Destination area, select **Print**.
- Leave all other fields with the defaults.

Step 3. In the LCDS tab:

- In the Job area, click the List button for Initial JDL, and select the appropriate JDL you loaded into the /opt/XRXnps/resources/lcds directory.

A window appears requiring a JDE selection.

Select the appropriate JDE from the list provided and click **OK**.

- If there is an initial FRM required, select the List button, choose the form from the list, and click **OK**.
- In the Resolution (dpi) area, select **300**.
- Leave all other fields with the defaults.
- Select **Add**, then **Close**.

Submitting the job

To submit your LCDS data to the EPS printer through the XELF filter, follow these steps:

- Step 1.** Be sure you have done the following:
- Installed and licensed XELF
 - Created the XELF filter
 - Created the EPS queue, naming it the same as the XELF filter Output Queue name.
 - Properly set up the EPS queue for receiving LCDS data.
- Step 2.** Using the `lpr` command, send the job to the filter, specifying the XELF Input queue as the `lpr` queue.
- Your filtered job will appear on the EPS queue.

Uninstalling XELF

- Step 1.** Place the Xerox EPS LCDS Filters software CD in the CD-ROM drive.
- Step 2.** Open a Terminal window and logon as root. Enter your root password when prompted. Use this Terminal window to complete the remaining steps in the installation.
- Step 3.** Mount CD-ROM drive.
Enter: **volcheck**
- Step 4.** Change to the CD-ROM directory.
Enter: **cd /cdrom/cdrom0**
- Step 5.** Execute the uninstall script.
Enter: **./uninstall.sh**

```
Welcome to the Xerox EPS LPR Filters uninstall program.
This program will remove:
- Any Xerox EPS LPR Filters patches
- All installation licenses
- The Xerox EPS LPR Filters packages (application and
configuration files)
Do you want to continue with the uninstall? [y/n]: y
```


Step 6. Enter **Y** to complete the package uninstall.

You will receive the following response:

```
Cleaning up XELF queues and printers.  
Removing XELF printer definition for gw.  
printer "gw" now disabled  
destination "gw" will no longer accept requests  
Restarting lp services...  
Print services stopped.  
Print services started.  
Restoring BSD adaptor...  
Removing package XRXelf  
pkgm: ERROR: unable to open admin file  
</export/home/xrxusr/admin>  
>> The uninstall is now complete.
```

