Xerox EPS LCDS Filters – Upgrade Guide

This document provides instructions for installing the Xerox EPS LCDS Filters on a new printer at an existing filter customer site. It explains how to:

- Backup the filters from an existing printer

- Transfer the backup file to the new printer

- Restore (install) the filters on the new printer

- Install the software license key on the new printer

- Recreate the FFPS queues if the host name changes after the queues have been defined or restored from a backup.

Obtaining the filter license for the new printer

To obtain the filter license for the new printer contact DDS at either:

Michael Kean   Michael.Kean@xerox,com   407 468-8443

Nigel Forbes   Nigel.Forbes@xerox.com   407 906-9201

Note: DDS are unable to create new license entries in the XCLS database. Please do not contact DDS until you have received the FFPS licenses from XDSS

EPS Filters software backup from an existing printer

The EPS LCDS Filter software and filter definitions are not included in a FFPS backup. To backup the filter software and the queue & sockets port definitions:

Step 1:   Open a Terminal window and log in as root. Enter your root password when prompted. Use this terminal window to complete the remaining steps in the installation.

Step 2:   Issue the command "cd /opt/XRXelf/"

Step 3:   Issue the command "./backup.sh"

Step 4:   Respond as required to the prompts.

```
 # cd /opt/XRXelf
 # ./backup.sh

  Backing up the Xerox EPS LPR Filters to
/tmp/xelfbackup

 a /opt/XRXelf/ 0K
 a /opt/XRXelf/COPYRIGHT 1K
 a /opt/XRXelf/VER 1K
    (Some backup messages are not shown in this
figure)
  a /etc/init.d/xelfstart 1K
```

```
  a /etc/init.d/xelfstop 1K

  Backup of the Xerox EPS LPR Filters
successfully completed

  **** Copy the files contained in the directory
/tmp/xelfbackup to a CD/DVD ****

  **** Please refer to the EPS LCDS Filters User
Guide for information on restoring the filters
software ****
  #
```

Transfer the backup files to the new printer

The backup files are written to the directory "/tmp/xelfbackup" and will contain three files:

```
license.dat   restore.sh   XFBK.tar
```

Transfer these three files to the new printer via FTP, CD or USB Flash drive.

Note: The license.dat file will contain the license string for the old printer. It is not necessary to copy this file to the new printer.

Transfer via FTP

The new printer must have FTP enabled and be configured on the network. You will need the IP address of the new printer, as well as the "sa" account password.

Transferring via FTP:

1. Open a terminal window and change to the backup directory "cd /tmp/xelfbackup"

2. Connect via FTP to the new printer "ftp <new printer ip address>"

3. When prompted log on as "sa" with the correct password

4. Create a new directory on the target printer: "mkdir xelfrestore"

5. Change to the new target directory: "cd xelfrestore"

6. Ensure the transmission mode is binary: "bin"

7. Turn off prompting for multiple files: "prompt"

8. Use the "mput" command to send all files to the target printer: "mput *"

9. After the three files have been transferred, use the "quit" command to exit from the FTP session.

The following example shows the transferring of files to a new printer with an IP address of 13.242.215.182. Input typed by the analyst is shown in red.

```
dds4112% cd /tmp/xelfbackup
dds4112% ftp 13.242.215.182
```

```
Connected to 13.242.215.182.
220-
220-
220 XRX8378671d FTP server ready.
Name (13.242.215.182:sa): sa
331 Password required for sa.
Password: ********
230 User sa logged in.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> prompt
Interactive mode off.
ftp> mkdir xelfrestore
257 "/export/home/sa/xelfrestore" new directory
created.
ftp> cd xelfrestore
250 CWD command successful.
ftp> mput *
200 PORT command successful.
150 Opening BINARY mode data connection for
XFBK.tar.
226 Transfer complete.
local: XFBK.tar remote: XFBK.tar
132786176 bytes sent in 2.6 seconds (49144.68
Kbytes/s)
200 PORT command successful.
150 Opening BINARY mode data connection for
license.dat.
226 Transfer complete.
local: license.dat remote: license.dat
85 bytes sent in 0.00038 seconds (218.28
Kbytes/s)
200 PORT command successful.
150 Opening BINARY mode data connection for
restore.sh.
226 Transfer complete.
local: restore.sh remote: restore.sh
9959 bytes sent in 0.08 seconds (121.83 Kbytes/s)
ftp> quit
421 Timeout (900 seconds): closing control
connection.
```

Restore the filter software on the new printer:

The following steps are made on the new printer.

1. Open a Terminal window and log in as root. Enter your root password when prompted. Use this terminal window to complete the remaining steps in this section.

2. Make the files executable by issuing the chmod command: "chmod 755 *".

3. Issue the command "./restore.sh"

4. Respond as required to the prompts.

```
# cd /xelfrestore
# chmod 755 *
```

```
# ./restore.sh

Restoring Xerox EPS LPR Filters
x /opt/XRXelf, 0 bytes, 0 tape blocks
x /opt/XRXelf/COPYRIGHT, 134 bytes, 1 tape blocks
x /opt/XRXelf/VER, 40 bytes, 1 tape blocks

    (Some restore messages are not shown in this
figure)

Restoring the DSI filters

Please wait for processing to complete...

Server config file =
/opt/XRXelf/configuration/6001.dsi.config
Server config file =
/opt/XRXelf/configuration/6002.dsi.config

Xerox EPS LPR Filters Restore successfully
completed
#
```

Note: "UX:lpstat: ERROR:" messages may be displayed during the restore. These error conditions should be corrected by the restore script after all of the LPR queues have been established. The script will display the final status of the LPR queues at the end of the restore. This status should be "accepting input".

Installing the software license key

Step 1:   Start the GUI.

Enter: **/opt/XRXelf/sxg.sh**

Step 2:   Select **Setup->Filter License** to display the license dialog box.

Step 3:   Enter the 20-character license string provided by Xerox in the License String field.
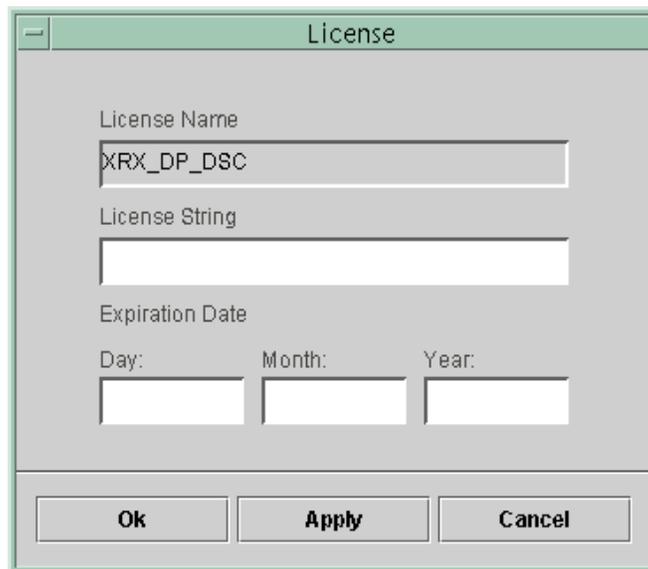
Step 4: Enter the license expiration date in the Day, Month, and Year fields.

Step 5: Click **OK** to validate and save the license information.

The filter installation is now complete and you can now send some jobs to the printer for testing.

FreeFlow Print Server Host Name Change

If the host name of the FreeFlow Print Server is changed AFTER the print queues are defined, the FreeFlow Print Server queues will still be associated with the old name and the filter will not be able to send data to them. This will cause jobs to be transmitted by the host to the filters but nothing will appear on the FreeFlow Print Server queue.

To resolve this issue, the FreeFlow Print Server queues must be deleted and redefined to pick up the new host name.

The easiest way to do this is to COPY a queue to a temporary name, DELETE the original queue, then COPY the temporary queue back to the original name.

Recommended Action

Once the filter has been successfully tested and configured correctly, it is strongly recommended that you run the backup script on the new printer and copy the files to a CD. Label the CD as a recovery CD and keep it somewhere safe at the customer location. This can save invaluable time if the printer needs to be scraped and the filters re-installed.

Contact Information

If you encounter any problems or have any questions regarding the filter installation process, please contact:

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Nigel Forbes	Nigel.Forbes@xerox.com	407 473-8235