
Xerox EPS LCDS Filters Client Configuration

This document provides instructions for configuring several host clients for use with the Xerox Enhanced LPR filters (XELF):

AS/400

The following are the recommended parameter settings to define an AS/400 LPR queue to send EBCDIC SCS data to the EPS LCDS XDPE Filter. Use the CRTOUTQ command to specify the following parameters:

CNNTYPE	*IP
RMTSYS	*INTNETADR
Remote Printer Queue	(RMTPRQTQ)
TRANSFORM	*NO
Internet Address	(INTNETADR)

Example:

To send to a queue called 'AS400' on an LPD server with an IP address of 192.168.29.67:

```
CRTOUTQ OUTQ(QUSRSYS/ASCII) RMTSYS(*INTNETADR)
RMTPRQTQ('AS400') AUTOSTRWTR(1) CNNTYPE(*IP)
DESTTYPE(*OTHER) TRANSFORM(*NO)
INTNETADR('192.168.29.67')
```

IP Printway

The following screen prints contain IP Printway options and protocol settings recommend for use with the EPS LCDS MVS Download to EBCDIC IBMONL filter.

Customers printing data streams that do not contain carriage control will have to install an IP Printway user record exit. This exit should be coded to shift records that do not contain carriage control 1 character to the left and to insert a 0x09 into position 0 of the print record.

```
Edit                                     IP PrintWay Options
Command ==> _____

Component name. . . . . PRTXEROX_____
Description . . . . . _____

Retention period:
  Successful. . . . . _____ Failure . . . . . _____
Retry time . . . . . _____
Retry limit. . . . . _____

Connection timeout . 30_____
Response timeout . . 600_____

Exits:
  Begin data set. . . . . _____ End data set. . . . . _____ Record. . . . . _____

Document header . . . . . _____ (extend)
  / Translate document header
Document trailer . . . . . _____ (extend)
  / Translate document trailer

Formatting:
  Transparent data char . _____
  Delete form feed. . . . . 1 1. None 2. Leading 3. Trailing 4. Both
  Carriage control type . 1 1. None 2. Machine 3. ANSI
  / Automatic dataset grouping (extended mode)
  Dataset grouping. . . . . 3 1. None 2. Job 3. Concatenate job
  Line termination. . . . . 25
  _ Omit line termination at EOF

Basic Mode Formatting:
  Formatting. . . . . 1 1. None 2. Standard
  3. Translate only 4. Use FCB
  PostScript header . . . . . _ 1. Add 2. Ignore
  3. Landscape 4. Always landscape
```

IP Printway Options

```

Edit                                     Protocol
Command ==> _____

Component name. . . . . PRTXEROX
Description . _____
Operator security profile
. . . . _____

Protocol . . . . . 1 1. LPR 2. IPP 3. Direct sockets 4. VTAM 5. E-mail
Printer IP address . 13.242.215.179 (extend)
Print queue name . . FILTER (extend)
Port number. . . . . _____
URL. . . . . _____ (extend)
Printer LU name. . . . _____
To addresses
. . . . _____ (more)

LPR Processing Options:
  Mode . . . . . 4 1. Control file first 2. Control file last
                   3. Stream 4. Remote PSF
  _ Optimize copies
  _ Restrict ports
  Z Print banner page
    Banner class. . . . . A
    Banner job name _____ (extend)
  Filename . . . . . _____
  Indent . . . . . _____
  Owner. . . . . _____
  Print function . . . . f
  Title. . . . . _____ (extend)
  Width. . . . . _____
  User options . . . . . _____ (extend)

Direct Sockets Processing Options:
  Printer Job Language (PJI) options:
    _ Record pages printed for accounting
    _ Restart printing after last successful page

VTAM Processing Options:
  Printer logmode. . . . _____
  Checkpoint pages . . . 5
  _ Send as transparent data

E-mail Processing Options:
  CC addresses
  . . . . _____ (more)
  BCC addresses
  . . . . _____ (more)
  From name . . . . _____
  Reply address . _____

```

IP Printway Protocol Options

VPS

The following are the recommended parameter settings for use with the EPS LCDS ASCII CR/LF to ASCII IBMONL Direct Sockets Interface filter.

```
AUTOEJCT=(Y,Y,Y,Y),  
CLASS=A,  
COMMTYPE=(TCPIP,SOK),  
DEST=*,  
FCB=N,  
FFSEQ=0D0C,  
NLSEQ=0D0A,  
PRTXLATE=(Y,VPSSXASC),  
SEPAR=(B,VPSSSEPR,DATASET),  
TCRPORT=nnnn, <-Must match the filter input port  
TCPOPTS=00000020,  
TCPHOST=nn.nnn.nnn.nnn <-Printer IP address
```

The following are the recommended parameter settings for use with the EPS LCDS VPS to EBCDIC IBMONL Direct Sockets Interface filter.

Customers printing data streams that do not contain carriage control will have to install an VPS record user exit. This exit should be coded to shift records that do not contain carriage control 1 character to the left and to insert a 0x09 into position 0 of the print record. This change should be limited for GRPNAME=XLCD jobs.

```
AUTOEJCT=(Y,Y,Y,Y),  
CLASS=A,  
COMMTYPE=(TCPIP,SOK),  
DEST=*,  
FCB=N,  
FFSEQ=0D0C,  
GRPNAME=XLCD, <-Required for record exit  
NLSEQ=0D0A,  
PRTXLATE=(N,VPSSXASC),  
SEPAR=(B,VPSSSEPR,DATASET),  
PRTROPTS=20200000,  
TCRPORT=nnnn, <-Must match the filter input port
```

TCPOPTS=00000020,

TCPHOST=nn.nnn.nnn.nnn <-Printer IP address

XDPE

The following steps must be completed to configure XDPE to transmit jobs to the XELF XDPE filter.

- Create an OS/400 output queue that XDPE will monitor (customer probably has this already).
- Create the printer file for the LCDS application (customer probably has this already).
- Create an XDPE remote output queue, which defines the XELF input queue on EPS, will hold the XDPE job, and will send it to XELF via TCP/IP.
- Start an XDPE Monitor Queue session specifically for the LCDS application spool file to print to the EPS printer.
- Create the LCDS application spool file in the output queue defined in Step 1.
- Start the OS/400 remote writer.

Step 1. Create an OS/400 output queue

This is the queue that XDPE will monitor and where your LCDS job will first reside as a spool file.

Type the CRTOUTQ command and specify its name and library location.

Step 2. Create the printer file for the LCDS application

Using the CRTPRTF command, create the printer file with these parameter values, along with your other site- and job-specific values:

SPOOL	*YES
OUTQ	name you specified for output queue in Step 1
DEVTYPE	*SCS

Step 3. Create an XDPE remote output queue

This queue will hold the XDPE job and send it to XELF via TCP/IP. This queue specifies the XELF input queue.

Using the CRTOUTQ command, create the XDPE remote output queue with these parameter values, along with your other site- and job-specific values:

OUTQ	name and library location of output queue you are creating
RMTSYS	*INTNETADR
RMTprtQ	the name of the input queue to XELF
CNNTYPE	*IP
DESTTYPE	*OTHER
TRANSFORM	*NO
MFRTYPEMDL	blank (or default value tells writer to ignore this)
WSCST/LIB	blank/blank (or default value tells writer to ignore this)
INTNETADR	the IP address of the EPS printer
DESTOPT	'XAIX'
AUT	*CHANGE

Step 4. Start an XDPE Monitor Queue session

Start a Monitor Queue session with these values:

WTR	*NONE
INTERFACE	*NONE
MODEL	*DOCUSP
PRTTYPE	blank
MODE	*XPPM
PROCMODE	*PAGE
WAITTIME	0
DEVCLS	*RMT
RMTOUTQ	the name of the XDPE remote output queue you created in Step 3
WSCST	blank (or default value tells writer to ignore this)

Step 5. Create the LCDS application spool file

Create the LCDS application file and send it to the OS/400 queue you created in Step 1.

Step 6. Start the OS/400 remote writer

Using the STRRMTWTR command, start the OS/400 remote writer with these parameter values, along with your other site- and job-specific values:

OUTQ the name of the XDPE remote output queue you created in Step 3