



# VPS/LCDS

*Drive and manage Xerox LCDS output over TCP/IP*

**VPS/LCDS routes LCDS print jobs directly from the JES spool on the z/OS host to Xerox® printers and servers over TCP/IP networks. The product provides a high performance alternative to channel extenders and requires no changes to mainframe applications or JCL.**

## **Move existing LCDS & Metacode applications to TCP/IP without expensive hardware**

Many organizations have legacy applications that generate Xerox LCDS output. However, these companies hit a roadblock when they try to drive these printers over their TCP/IP network. Converting the printers to TCP/IP often requires modifying applications or changing JCL. For many companies, printing LCDS output involves the use of channel extender hardware often resulting in substantial maintenance and connectivity costs for the dedicated environment.

## **VPS/LCDS enables companies to:**

- Replace outdated Bus/Tag LCDS printers with newer TCP/IP-capable models
- Eliminate the need for channel extenders and SNA/RJE hardware while increasing performance
- Extend the usefulness of legacy LCDS applications
- Control LCDS, AFP, and line-data printers from a single point of control

**Example:** A large university medical center wanted to replace channel-attached Xerox LPS hardware with newer Xerox EPS printers. The organization desired to leverage their existing TCP/IP network instead of using the online channel option or RJE workstations. By implementing VPS/LCDS, they were able to improve access to their LCDS printers, avoid the cost of proprietary hardware connectivity options, and manage their production Xerox printers as easily as their other network printing devices.

## **Extend VPS® flexibility to the world of Xerox production printing**

VPS/LCDS works with LRS' base VTAM Printer Support (VPS) solution and its TCP/IP extension. This enables companies to take advantage of the special document processing options built into VPS. For example, using VPS printer command keywords or VPS exits, companies can insert DJDE commands that invoke Xerox resources without making JCL changes. This decreases the workload on IT staff and gives companies the flexibility to fully utilize the capabilities of their LCDS printing hardware.

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**Example:** A major airline wanted to convert their channel-attached Xerox printers to TCP/IP network printers. They also wanted to eliminate the need for some JES exits used to insert DJDE commands into the data stream. Using VPS/LCDS and a VPS User Exit 14, they were able to deploy several large Xerox printers in their TCP/IP network and eliminate all DJDE-related JES exits.

## VPS/LCDS Technical Highlights

The LRS® Enterprise Output Server provides capture and delivery of many data streams. Using VPS/LCDS, organizations can leverage investments in Xerox data streams, LCDS hardware, and TCP/IP networks.

### VPS/LCDS:

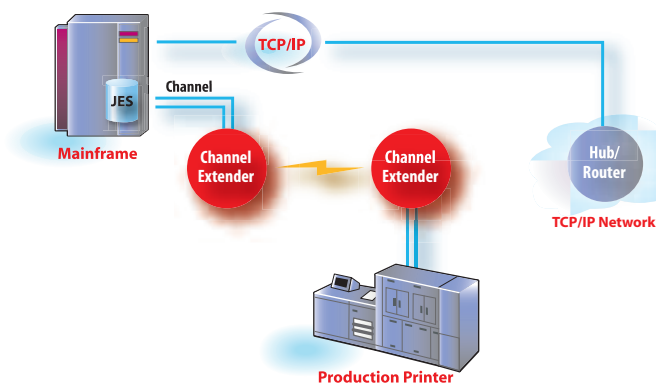
- Supports both LPR/LPD and TCP/IP sockets connections
- Maintains the integrity of LCDS output, ensuring print jobs arrive at the printer with LCDS commands intact
- Converts ASA character control to machine control as necessary, or adds carriage control if the print job has none
- Sends a Forms Control Buffer to the printer if necessary
- Passes length values to the Xerox printer, ensuring that the printer can correctly interpret each line of incoming LCDS data
- Supplies the Jobname and Sendername (if requested) via a job information buffer displayed on the Xerox controller
- Passes the Jobname and Job ID (if requested) via a parameter for display on the Xerox controller

### VPS/LCDS features and benefits:

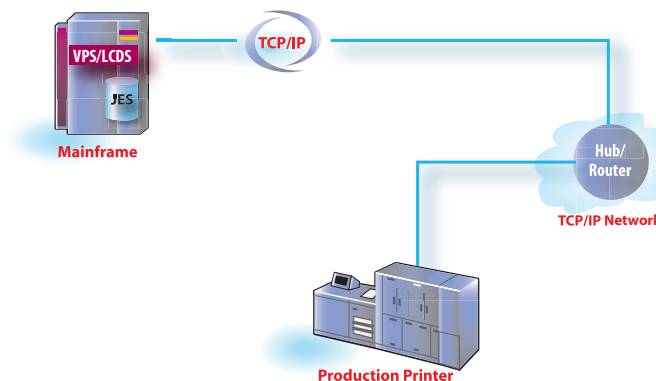
- Printers are defined in the VPS control library – no JES definitions are needed
- Complete software solution – no special hardware is required
- Supports all VPS separator functions
- Generates SMF Type 6 records
- Allows administrators to manage all printers through the VPS Monitor and Control Facility (VMCF)

### Integration with other LRS products

- VPS/Secure® encrypts mainframe output for secure routing to AnyQueue® or VPSX®.
- AnyQueue solutions receive compressed and encrypted LCDS output from VPS, enabling distributed operations management on a variety of platforms.



Channel extenders can require expensive, proprietary hardware, and do not leverage investments in existing TCP/IP infrastructure



VPS/LCDS enables companies to print Xerox data streams directly over the existing TCP/IP network

Call us at 217-793-3800 or email us at [AskLRS@LRS.com](mailto:AskLRS@LRS.com) to discuss ways we can help you securely deliver output over TCP/IP to the DocuSP controller.