



VPSX

Robust Output Management for the SAP Environment

The VPSX® solution provides guaranteed delivery of business-critical application output with real time user feedback. This SAP certified Output Management Solution reduces print related problems, enabling better service levels with fewer resources.

The VPSX output management solution keeps up with a company's growing open systems business information delivery needs.

Eliminate print problems and unnecessary costs

We've found that operating costs increase for organizations relying on standard open systems print services for SAP printing. Critical documents are lost or delayed, directly increasing the cost of business processes. Business processes grind to a halt as trucks stand idle at loading docks, customers wait for service reps that cannot produce their forms, or doctors are delayed without patients' printed test results. The costs are staggering and the impact on your business can be immeasurable.

When printing is critical to your operation, standard SAP printing is not enough. VPSX software provides assured document delivery and eliminates the need to allocate SAP system and human resources for document management. Advanced logging and analysis capabilities also capture SAP printing metrics for use in auditing, print cost recovery, and user trend analysis. Most importantly, VPSX software enables organizations to focus on improving business processes instead of reacting to printing problems.

Examples:

■ A leading international producer of personal hygiene products chose the VPSX solution to assure the delivery of SAP application output that drives their key business processes. They replaced their own LPD server, implemented electronic formatting of their SAP documents, and reduced their technical staff burden. Result: effective management of 100,000 weekly print jobs and more than 5000 devices.

■ A European hospital uses the VPSX solution to deliver critical SAP-generated documents to the locations where doctors, nurses, and roaming staff members need them. Result: improved efficiency and patient care.

Consolidate platforms and eliminate multiple printing systems

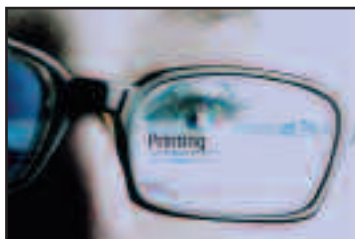
VPSX software runs reliably on common Unix, Linux, Windows, and other opens systems platforms. True multi-platform support helps companies running SAP and other applications to standardize platforms while delivering a uniform level of functionality and performance. Through VPSX support for standards like SNMP, SOAP/XML, PJJ, and PAM, the solution helps companies fully exploit the capabilities of their existing printers, servers, and applications. This standards-based approach protects

Companies spend time and money tailoring SAP applications for their business needs. Valuable information from these SAP applications comes in the form of documents – delivered to users in a reliable, cost-effective way by the VPSX solution.

current IT investments from becoming obsolete as future technologies emerge.

Example: A large hospital with 3500 SAP users deployed the VPSX solution when they consolidated onto the Sun Solaris platform. VPSX software delivers output from SAP Finance, Logistics, Patient Accounting, and other SAP applications to 750 printers. The VPSX solution gives administrators the proactive tools they need to ensure that delivery of patient menu and medication plans, billing, and other critical documents do not delay services.

The solution eliminated the need for AIX print server hardware and software, reducing the hospital's output management costs by *more than \$60,000 per year.*



In SAP environments, print problems quickly affect all business stakeholders. VPSX software decreases the occurrence and impact of print problems on users, systems and applications staff, as well as customers.

VPSX Technical Highlights

The VPSX solution provides a central point to manage all output, monitor device status, and notify users and administrators of issues before they become problems.

Scalable Enterprise Architecture

The VPSX design employs an efficient single-process / multi-thread design, enabling one system to drive thousands of printers concurrently without experiencing CPU or memory constraints. This vertical scalability is matched by robust horizontal scalability; a single web-based control interface can control any number of VPSX print servers.

VPSX Security features

- VPSX provides 128, 192, and 256-bit AES (RIJNDAEL) encryption of print streams for delivery to a wide variety of decryption-enabled devices
- Organizations can also encrypt data sent to VPSX from their applications

Supported Platforms

VPSX software runs on AIX, HP-UX, Tru64, Linux for zSeries or Intel, Sun Solaris, and Windows platforms.

VPSX Functional Component Overview:

Client Input: Applications on any platform can send output to a VPSX server using LPR and IPP clients. In addition, the powerful LRSQ command provides data compression, encryption, and greater control. VPSX software automatically identifies binary data types to trigger data stream conversion or to invoke viewers.

Spooling: The VPSX design supports scalability, stability, and high print volumes. The VPSX spool provides print status and time-based retention, printer pooling, as well as automatic error recovery. VPSX software also provides automated spool management facilities.

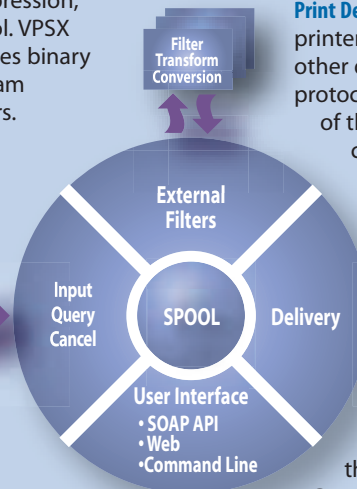
Conversion Filters: VPSX conversion filters can transform common data formats into an appropriate format for a given output

device. The modular design ensures that any problem in an external filter or routine cannot affect stability.

Print Delivery: Output is delivered to printers, print servers, fax servers, and other devices via LPD, IPP, or Sockets protocols. Depending on the capabilities of the target device, VPSX software can provide page-level control, display detailed job and device status information, and send or receive encrypted data.

User Interface Control: VPSX administrators and users can control one or more systems via an easy to use Web interface, eliminating the need to install client software.

Command line and SOAP interfaces are also available to facilitate integration with custom applications.



VPSX Features for the SAP Environment

- Leverages the SAP-designed BC-XOM Callback interface to offload processing of SAP output
- Supports scalable, cluster capable high availability environments
- Communicates directly with printers using SNMP and PDL to ensure each page is physically printed
- Informs SAP users about document status via synchronous or asynchronous notification
- Supplies efficient page-level accounting to aid in print cost recovery and departmental chargeback
- Supports email delivery of status notifications, text documents, and binary file attachments
- Supports Internet Print Protocol (IPP), enabling VPSX to provide output management and accounting for Windows, Unix, and other platforms
- Converts SAP, PDF, and other output formats for use on a variety of printers and devices
- Performs software based printing of OTF Bar Codes from SAP, eliminating the need for costly printer SIM cards
- Provides extensive log management and configuration facilities

VPSX Support for Industry Standards

- HTML – standard browser based interface for cross-platform consistency
- SOAP/XML – protocol for communication between various VPSX components
- POSIX – full POSIX compliance ensures support for most popular platforms
- PDL & SNMP – protocols for communicating real-time status of output devices
- PAM – security interface that works with an organization's existing user authentication modules
- W3C Extended Log Format – Web server protocol facilitates analysis of VPSX data with standard tools

Call us at 217-793-3800 or email us at VPSXDemo@LRS.com to find out more.