



VPSX

Robust Output Management for z/VSE Applications

The VPSX™ solution provides guaranteed delivery of business-critical application output. This robust, scalable print server leverages industry standards for document encryption, network device management, and application integration.

VPSX is a high-performance open systems print server that enables an organization to:

Get more from existing systems and hardware

VPSX takes full advantage of industry standards for network protocols, output devices, and encryption algorithms. By implementing standards like SNMP, SOAP/XML, PJI, POSIX, and PAM in a single solution, VPSX helps companies fully exploit the present capabilities of their printers, servers, and applications. This open standards-based approach also keeps current IT investments from becoming obsolete as future technologies emerge.

Example: A manufacturing company prints from a DL/I-based system to hundreds of remote desktop laser printers. VPSX monitors the PJI status from each printer, enabling users to confirm successful print status or to re-route documents in case of print errors.

Eliminate the need for multiple, redundant printing systems

Until now, organizations have faced a difficult choice: settle for the basic local and SNA printing functions built into VSE or offload the printing function to a server on a different hardware platform. To avoid this compromise, many companies have implemented incompatible systems from multiple vendors – an approach that results in higher hardware, software, and personnel costs.

VPSX is architected to run on POSIX-compliant platforms, including Linux for zSeries. So whether a company runs their applications on VSE, VM, Windows, UNIX – or even a combination of these – the VPSX solution delivers the same high level of functionality and performance.

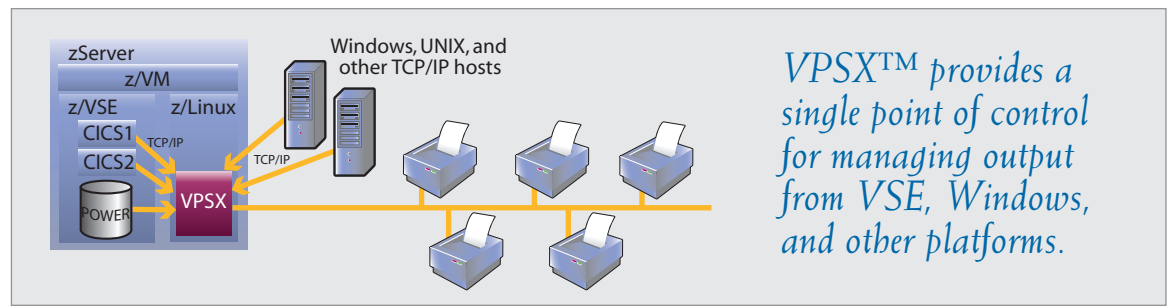
Increase user and help desk productivity; minimize unnecessary costs

VPSX provides a central point of control for all application output. The solution proactively monitors the status of SNMP devices, notifying users and administrators of

VPSX monitors status messages from hundreds of printers and notifies end users of successful print status or print errors.

issues before they become problems. When printing problems do occur, VPSX allows users to identify and resolve them through a simple, browser-based interface.

Example: Help desk staff can use VPSX to continuously monitor the status and availability of all printers defined on the network, even when they are not actively printing. VPSX is able to send these SNMP status messages to the web-based control interface, to the log, or both.



VPSX™ provides a single point of control for managing output from VSE, Windows, and other platforms.

VPSX Technical Highlights

VPSX™ Support for Industry Standards

- HTML – standard browser-based interface for consistency across all computing platforms
- SOAP/XML – used to communicate between the various VPSX components
- POSIX – VPSX is fully POSIX-compliant, ensuring platform independence
- PJP & SNMP – protocols used to communicate real-time status of output devices
- PAM – security interface that works with an organization's existing user authentication modules

Platforms Supported

- Linux for zSeries
- RedHat and SUSE Linux on Intel
- IBM AIX
- HP-UX
- Sun Solaris

VPSX Features

- Extensive logging, log management, and configuration facilities
- Advanced accounting features to aid in departmental chargeback and security
- Spool management capabilities enable document queuing, retention, expiration, and printer pooling
- Guaranteed printing confirmation: VPSX communicates directly with the printer using SNMP and PJP to ensure each page is physically printed

VPSX Functional Component Overview:

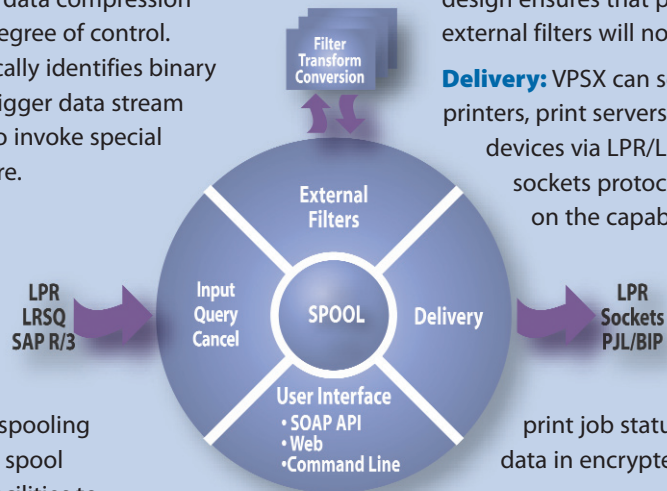
Input: Applications on any platform can send output to VPSX using standard LPR/LPD protocols or by invoking the LRSQ command, which provides data compression and a greater degree of control. VPSX automatically identifies binary data types to trigger data stream conversion or to invoke special viewing software.

Spool: Robust output spool built to handle high print volumes. Features include printer spooling and automated spool management facilities to prevent problems before they occur, and to let users easily reprint documents via a web interface.

Filters: VPSX can pass report data to external programs or routines when special processing or electronic forms are required. Modular design ensures that problems in external filters will not affect stability.

Delivery: VPSX can send output to printers, print servers and other devices via LPR/LPD or TCP/IP sockets protocols. Depending on the capabilities of the target device, VPSX retrieves real-time feedback about print job status, and can send data in encrypted form.

User Interface: VPSX administrators and users can control one or multiple VPSX systems via a flexible web browser interface. Users can filter their views by printer name, printer status, or other criteria.



Integration with z/VSE Applications

- Use * \$\$ LST statement to route output to VPSX-defined printers
- Enable dynamic printing to VPSX-defined printers using CICS LPR client
- Utilize batch LPR to print multiple files in the same job
- Print from an application program using REXX, Assembler, COBOL, or PL/I socket interface

Scalable Architecture

VPSX uses a single-process/multi-threaded design, enabling the system to drive many printers without spawning multiple CPU-intensive processes. This vertical scalability is matched by robust horizontal scalability; companies can control any number of VPSX print servers from a single web-based control interface.

VPSX Security features

VPSX supports 128, 192, and 256-bit AES (RIJNDAEL) encryption of print streams for delivery to a wide variety of decryption-enabled devices. Organizations can also choose to encrypt all data sent between the three VPSX components. This is especially important when the individual components run on separate UNIX machines.

Call us at 217-793-3800 or see www.VPS.com to find out more about VPSX.