Scalable output management

LRS Enterprise Output Server solution

The LRS Enterprise Output Server solution provides a scalable, full-featured architecture for managing all of your valuable business documents. Acting as a central point of management and control, the software captures output from any application, converts the data to the required format, and reliably delivers it to the target device or electronic/softcopy destination.

Administrators can quickly detect and address hardware or network-related printing errors from an intuitive web interface. Full-featured print audit and tracking functions are available to aid in compliance and cost reduction efforts. LRS software helps you get maximum value from your output devices and prevents costly business disruptions to save you money.

The LRS Enterprise Output Server solution is centered on proven VPSX software and features a number of optional extension products designed to address the specific needs of large enterprises. Together, VPSX and its extensions establish a flexible, scalable print management facility that minimises the cost and complexity of supporting business printing.

Streamline document-related IT and business processes

What if you could...

- Eliminate costly printing problems and business process disruptions?
- Save more than $500,000 for every 1,000 managed printers?[1]
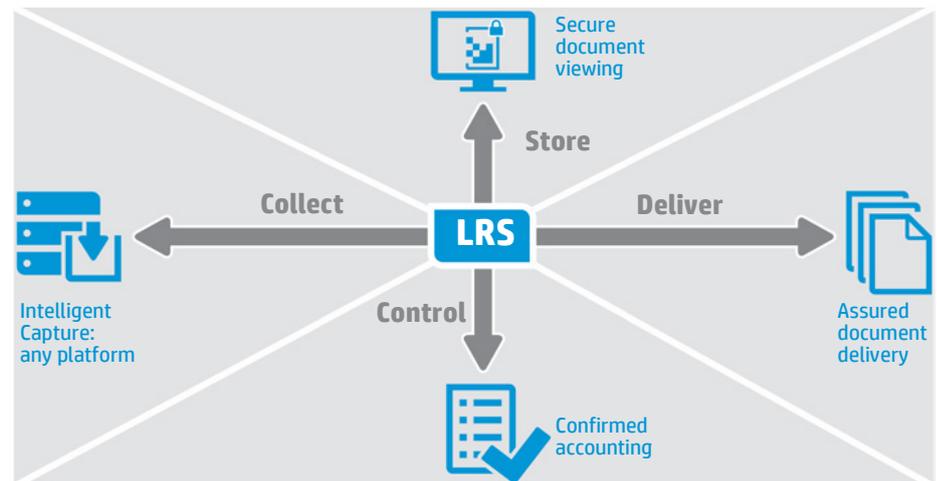- Reduce the number of printing-related support calls by 60% to 99%?[1]

VPSX software eliminates the need to implement and support multiple printing subsystems for different platforms or applications. The software provides an integrated system of output collection, storage, control, and delivery.

Output collection. VPSX software enables document capture using standard LPR and IPP connections, as well the advanced LRS/Queue protocol for encryption and compression of document content.

Output storage. Storage capabilities include short-term VPSX document retention for document re-routing and reprinting as needed, as well as full integration with PageCenterX software for long-term document archival/searching/retrieval.

Output control. An intuitive web interface allows administrators and support staff to easily manage, redirect, and delete print jobs, as well as monitor the health of the overall print environment. Printer portal screens allow users to easily locate and add nearby devices for desktop printing.

Output delivery. VPSX software routes business documents to the intended destination, and can provide feedback to the sending application about delivery failure or success. In the event of network or hardware problems, the software can redirect application output to alternate destinations to minimise the impact on your business.

VPSX: the foundation of the LRS Enterprise Output Server

As your organisation's document needs grow, the LRS solution can expand to meet them. Additional components are available to provide output formatting, pull printing, mobile printing, VDI print support and more.

VPSX and its extensions run on a variety of UNIX and Linux distributions as well as Microsoft® Windows® and other POSIX-compliant open systems platforms. This protects your investment in IT infrastructure and provides flexibility for future platform choice.

Solution benefits
Working together, the components of the LRS Enterprise Output Server solution enable you to:
- Reduce the cost of delivering business critical documents
- Eliminate Microsoft Windows print servers
- Improve information security and data compliance through advanced audit capabilities and pull printing
- Minimise the impact of printing on network traffic through support for Direct IP printing
- Directly communicate output status to and from leading line-of-business applications

Turn document usage data into better business decisions

The Innovate/Audit solution tracks more than 260 attributes related to document origin, destination, size, colour, special paper handling characteristics, and much more.

Using native Innovate/Audit reports or third-party data analysis tools, you can leverage this information to calculate consumable use for cost recovery and chargeback purposes.

The data captured can also help you locate underutilised, outdated, or costly devices—along with unneeded hardcopy reports—and target them for removal. By helping you detect unauthorised access to sensitive information and document misuse or waste, the solution allows you to better protect your valuable information assets.

Extend print support with proven business application interfaces

Partnering with leading software providers, LRS has developed fully documented and supported interfaces with some of the world's most popular line-of-business applications.

VPSX/OutputManager (SAP) replaces native SAP print server functionality, improves output reliability, and offloads CPU-intensive formatting processes from SAP application servers.

VPSX/EI (Epic) eliminates the need for multiple Windows print servers in Epic environments, and simplifies driver management and special paper handling for improved compliance.

VPSX/MI (Cerner) provides a flexible, scalable alternative to native CUPS-based printer and queue management.

VPSX/MFI (Micro Focus) directly captures output from Micro Focus environments. No application changes are needed to handle legacy document formatting.

Enhance document content to improve document processes

While your business applications generate the data your users need, that data may not always be in the most appropriate or useful format. LRS software can help you repurpose document-based information to support critical business workflows.

Transforms convert application-specific data streams to printer-ready formats, or a print format to a viewable/archive format (e.g., PDF).

Innovate/Mill software is designed to analyse, separate, classify, modify, and convert documents of different origins and prepare information for use in electronic or printed form.

Intelligent Document Bundling for VPSX automates the retrieval, sequencing, and bundling of documents to eliminate slow and error-prone manual processing.

Simplify your international/multinational printing

In global companies with heterogeneous printer fleets, ensuring that all devices are equipped with the necessary fonts can be a challenge. This is especially true when your requirements include printing Asian double-byte characters (DBCS) from critical business applications running on non-Windows platforms.

VPSX/DBCS fonts are designed to match Windows Japanese, Korean, Traditional Chinese, and Simplified Chinese fonts. Used with VPSX software, these fonts eliminate the need to install special font hardware or software when printing these character sets.

VPSX/Global fonts support these Asian characters as well as other Latin and non-Latin characters, including Cyrillic, Middle Eastern, and Eastern European glyphs. Using VPSX/Global fonts provides a simpler path to implement a platform-independent Unicode printing strategy.

Improve document security and mobility through pull printing

Many businesses look to reduce costs and waste by replacing individual single-function printers with more powerful shared multifunction print devices (MFPs). However, unclaimed documents sitting in an MFP output bin represent a security and compliance risk.

VPSX/Secure Delivery software brings secure pull printing capabilities to the VPSX solution. Users can print to a pull printing queue, then go to any defined network device and retrieve any or all of their queued print jobs, using a proximity card or other authentication method. The result is improved document security, fewer unclaimed print jobs, less waste, and greater flexibility for users on the go.

Mobile Connector for VPSX is a solution that extends pull printing capabilities to smartphones, tablets, laptops, and other mobile devices. Mobile users can submit documents via a native VPSX print app for iOS or Android™ devices, or simply email attached documents to an address associated with the desired printer. In either case, Mobile Connector will verify user printing rights before converting and delivering the documents to the appropriate VPSX print queue. This gives organisations a simple way to manage output from mobile devices in heterogeneous environments, including BYOD (Bring Your Own Device).

Dynamically provision and manage printers in VDI environments

Organisations may run hundreds or thousands of virtual desktop sessions using a variety of thin clients or other terminal types.

Virtual Session Printer Agent for VPSX simplifies printing from virtual desktops by seamlessly associating printers with a given terminal, user ID, or both, and ensures that these definitions are persistent across sessions. And it eliminates the need to manage printer definitions and drivers across multiple print servers.

Import, index, and store vital content for compliance and business continuity

PageCenterX software can store and manage important documents and other file types to support vital business processes and compliance efforts. Regardless of how the information is formatted, PageCenterX establishes a single secure facility to store, locate, and view application output and other content quickly, using a standard web browser with full auditing capabilities.

PageCenterX/Satellite software provides continued access to critical business data during planned or unplanned system outages. As an extension of the LRS Output Management Server, the solution integrates with a variety of business applications. Rules-based document retention and purging ensures that the correct document versions are available for reprinting or online viewing in case of a downtime event.

Learn more at
hp.com/go/HPandLRS

[1]IDC white paper "Business Value of Automated Output Management" Dec. 2013

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