

JESConnect 5.3 Software Solution

Automatically transmit JES Output Data to Emtex VIP™ or FlexServer® Output Software

- * **Migrate from a mainframe to a less expensive client-server platform with ease**
- * **Reduce costs and accelerate productivity and job integrity**
- * **Ensure the integrity and security of the data you transmit**
- * **Optimize operator and machine productivity**
- * **Ensure security and regulatory compliance with AES encryption**

Like many of today's high-volume production transaction print operations, you may rely on a centralized mainframe computer system to generate mission-critical, customer-facing documents like invoices, statements and other vital customer communications.

However, like scores of print operations transitioning to client-server print platforms, you need a simple way to replace channel connections and extenders, download printer resources and guarantee the security and integrity of the data you transmit and print. How do you do it? With easy to implement software from Emtex Software that lets you migrate from a mainframe-based platform to an efficient, cost-effective TCP/IP network based printing system without compromising document security or integrity.

The Emtex JESConnect 5.3 Software Solution

With Emtex JESConnect 5.3 software, you have a simple, secure solution that automatically transmits data from IBM JES2 and JES3 job spools to Emtex Virtual Intelligent Presentation (VIP) or FlexServer output management software for fast, cost-effective client-server printing using standard TCP/IP interfaces. With JESConnect 5.3, you can:

- Automate transmission of JES2/JES3 data to VIP and FlexServer software
- Eliminate the need for IBM PSF software
- Move processing and storage from mainframes to a less costly server platform to minimize CPU cycles and DASD storage
- Send JES output to other print centers without rewriting processes or applications
- Replace costly bus and tag channel connection and extender products
- Securely and accurately transmit data over public and private networks
- Reduce transmission time for large data sets
- Verify that all data is received by VIP and FlexServer
- Add accounting information to JES3 data transmission
- Access additional job information while processing JES3 spool datasets
- Support z/OS 1.8 operating systems and z/OS 1.8 JES2 and JES3 subsystems

Secure AES encryption for safety and regulatory compliance

For any company printing high volumes of sensitive customer data over TCP/IP networks, security is a growing priority. Whether you're printing health data, financial or credit reports, invoices, statements or payroll runs, with JESConnect 5.3, you've got the encryption tool you need to safeguard print data before sending it to printers.

With JESConnect 5.3 Optional Advanced Encryption Standard (AES) data transmission to FlexServer, you can maintain the highest levels of security and integrity as your transport mainframe data to output devices. With JESConnect 5.3, sensitive information can be securely delivered and printed across internal TCP/IP networks as well as public networks— without compromise. The key? Security components employ strong AES algorithms that form the basis for Health Insurance Portability and Accountability Act (HIPAA) and other regulations. With AES encryption you can confidently

- Download print applications like line data, AFPDS, LCDS/Metacode, PS/PDF, PCL*
- Transfer data over TCP/IP networks at top speeds
- Accelerate productivity with automatic checkpoint restart capabilities
- Maintain the integrity of your data
- Protect your data with high-level encryption for maximum security
- Automatically download resources to VIP via optional RESConnect



JESConnect 5.3 Software Solution

All the information required for intelligent output

Operating as a Functional Subsystem under IBM's Job Entry Subsystem (JES), JESConnect resident software securely integrates legacy mainframe print applications with Emtex FlexServer and VIP software. JESConnect emulates a JES printer to the mainframe system, transparently transmitting output data and Job Control Language (JCL) job processing parameters like output class, form name and destination to the job via standard TCP/IP interfaces.

No need for costly IBM PSF/390 software

With JESConnect, there's no need to pay high IBM PSF software maintenance or licensing costs. When you transfer processing to a client-server platform using JESConnect, you'll streamline processing of AFP data streams to IPDS devices—and use a fraction of the CPU cycles and DASD. The result? Cost savings and faster time to print.

High speed data transmission to boost performance

Speed counts when you're producing high volumes of documents in tight windows. Because JESConnect uses a standard TCP/IP socket protocol to transmit data, it's transferred at the top speeds that high-volume production environments demand.

Enhanced data integrity is assured

With other systems, once data is sent there's no way of knowing if it reached its destination. Not so with JESConnect 5.3 software. Unlike other software systems, JESConnect 5.3 is a closed-loop system that verifies that all data has been successfully received by FlexServer or VIP before deleting the dataset from the mainframe, providing the assurance you need.

High productivity for high volumes of data

JESConnect 5.3 software comes with an automatic checkpoint restart capability that uses regular checkpoints to transmit data sets to FlexServer or VIP. If a transmission error should occur, JESConnect restarts from the last checkpoint rather than starting the entire transmission over. So if you're printing a 10,000 page report and an error occurs after 8,000 pages, there's no need to reprint the entire job from the beginning. The result? Faster transmission time, fewer delays, improved job integrity, and lower costs for large datasets.

Real-time resource management for faster processing

JESConnect is available with an optional RESConnect module for real-time resource management and downloading to the VIP output management system. Through intelligent two-way communications with VIP, RESConnect automatically locates and

sends the required resources, reducing processing time and costs. Operating as a separate started task on the mainframe, RESConnect supports all print resource formats and is compatible with third-party download products that require host resource management to VIP.

Input data stream support

- Line data
- Xerox LCDS/Metacode
- Xerox VIPP
- AFPDS, AFP Line Mode & AFP Mixed Mode
- PCL
- PostScript & PDF

System requirements

- IBM or compatible mainframe that can run MVS/ESA, OS/390, z/OS
- Communications hardware such as 3172, 3745, or Open Systems Adapter to allow TCP/IP communication with Emtex FlexServer or VIP
- MVS/EJC 4.3 or higher, OS/390 EJC 1.1 or higher, or z/OS 1.1 or higher
- IBM TCP/IP 3.1 or higher

Professional services

Emtex Software offers a variety of value-added services, from pre-sales output management consulting to installation and system integration services. Contact your representative today to learn how we can help you engineer the flow of communication.

** The specified print streams are supported from JESConnect to FlexServer. Only AFPDS & LCDS/Metacode are supported from JESConnect to VIP.*



Emtex Limited UK Head Office:

Emtex House, Station Road, Kings Langley,
WD4 8LH, United Kingdom
Tel: +44 (0) 1923 270882
Fax: +44 (0) 1923 266020
Email: info@emtex.com

Emtex Software, Inc.

901 Yamato Road • Suite 120
Boca Raton, Florida 33431 • USA
Tel: +1 561.241.7229
Fax: +1 561.988.9561
Email: info-usa@emtex.com



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