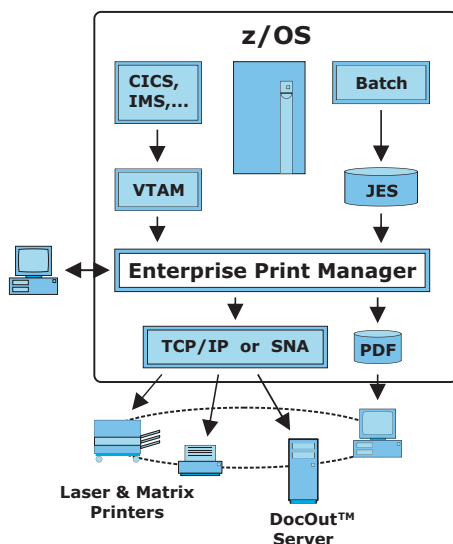


The all-in-one Z/OS printing solution

Host Software



EPM® - Enterprise Print Manager

Mainframe print management software

EPM is a z/OS software solution for mainframe printing used network printers and print management, providing a single focal point for operation, control and administration.

EPM simplifies your z/OS printing environment providing one platform for the various applications and environments. EPM processes input data from the JES spool and IMS/CICS via VTAM. Using the integrated Upload-and-Print function PC/UNIX data can also be managed and printed. EPM prints via VTAM and TCP/IP and thus offers an easier VTAM to TCP/IP migration.

EPM transforms AFP and line data into PCL, PostScript, PDF or ICDS (an internal compressed data format). In addition, SCS may be transformed into ASCII text for non-AFP applications. This means that a single system, EPM, provides support for most network printers in almost any environment.

EPM is furthermore the z/OS platform for mainframe-Internet application integration using the common standards of both environments i.e. AFP and PDF, providing viewing, host based e-mailing and archiving input.

Full screen ISPF, VTAM 3270 and GUI user interfaces allow for a flexible, easy-to-use operation. User access is centrally controlled, defining user groups with different authorizations, fully integrated with RACF (or similar). A comprehensive HELP system lets new users exploit the many features of EPM more quickly.

Administration is simplified significantly using the user interfaces and features such as printer types (models), defining almost everything about a certain type of printer. All printers are defined only once, i.e. in EPM. Even JES printer definitions are not required.

EPM Highlights

AFP printing on laser printers is easily implemented. Using the same AFP resources as IBM PSF, EPM converts existing line based legacy applications adding forms overlays, graphics and color images, all without changing the host legacy or batch application. EPM prints the host output directly on printers already defined on the mainframe.

- z/OS printing software
- Print Management
- JES and VTAM input
- AFP, XML and SCS printing
- PCL and PostScript output
- AFP to PDF and PDF/A conversion
- Outline font support
- Full color support
- TCP/IP and SNA printing
- E-mail output
- Upload-and-Print
- Full screen user interface

Printing and Conversion Solutions



AFP to PDF conversion enables mainframe generated web-ready files (PDF) for Internet Servers. The PDF files can be viewed and printed using Adobe Acrobat Reader. Several output options are provided. EPM either stores the PDF output in a mainframe data set or initiates a direct e-mail output. EPM enables mainframe generated web-ready files (PDF) for Internet Servers. The way the output is delivered is performed independently of your existing applications, thereby providing new options for web-enabled output delivery.

Full color support allows you to print full color output using low cost PCL5c and PostScript printers, or create PDF output. Additionally, EPM enables you to enhance the appearance and quality of existing application data using full color images, combined with colored text, graphics, bar codes, boxes and rulers.

Performance and control Several features ensure high performance and throughput, such as caching of AFP resources in virtual storage and use the resident fonts on PostScript printers. End2end control is provided using TCP/IP port 9100 and PDL.

Minimizing CPU and network load

By combining EPM with the DocOut Server Software a significant off-load of the mainframe and the network may be achieved. EPM does the AFP processing and provides the print management functionality as usual. DocOut handles the resources and final conversion into PCL5, PostScript or PDF. DocOut operates with remote AFP resources, thus allowing fonts, overlays and page segments to be stored on the server. EPM and DocOut perform an automatic resource checking, including versioning (time stamp). This ensures, that the correct AFP resources are always used. The CPU and network load may be significant lower since only the variable data are transmitted. The EPM - DocOut combination supports SNA as well as TCP/IP.

Application Programming Interface (API) provides application with features such as directly selecting the printer based on availability and features (e.g. color, duplex).

Migrate legacy host applications from SNA to TCP/IP devices with EPM without requiring changes to the VTAM applications. Support of both SNA and TCP/IP attached printer means that a smooth migration can be performed.

Integration of host, workstation and server environments EPM can be used as a print server for printing traditional Windows, Linux or UNIX output on any EPM defined printer. The integration of LAN and mainframe printing is enabled by the Upload-and-Print facility. Thus EPM provides centralized print management and control of all printer devices, providing a single point of control for host as well as LAN printing.

EPM user interfaces offer support for a wide variety of platforms for user control of printers and print output. Use of standard system security interface, i.e. RACF or compatible, ensures that users have controlled access of EPM printer devices. An extensive, field sensitive HELP menu eases implementation and training.

Input Data Streams

JES spool input: Line data, AFP and XML
VTAM Application input: SCS, DSC, GDDM-IPDS
Workstation and UNIX/Linux platforms for upload and printing:
TCP/IP LPD upload

Communications

TCP/IP: LPD, 9100, IPP, PPD/PPR using DocOut
SNA: LU_0, LU_1, LU_3, LU_6.2 (using DocOut™)
Transparent printing
e-mail
File output (MVS data set and Hierarchical

User Interfaces Available

TSO/ISPF
VTAM Application (3270)

Output Data Streams

HP PCL 4, 5e, 5c
PostScript (Adobe PostScript Level 2)
ASCII
3270 (SCS or DCS)
PDF (Adobe Portable Document Format) including PDF/A

System Requirements

z/OS or OS/390 JES2: Version 2.5 or higher
z/OS or OS/390 JES3: Version 2.8 or higher

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