Enterprise Print Manager

The all-in-one z/OS® printing solution

Mainframe print management software

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

Handles all formats

EPM is the all-in-one tool that handles multiple input and output formats:

Input data from the JES and IMS/CICS is spooled 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.

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.

Easy and central administration

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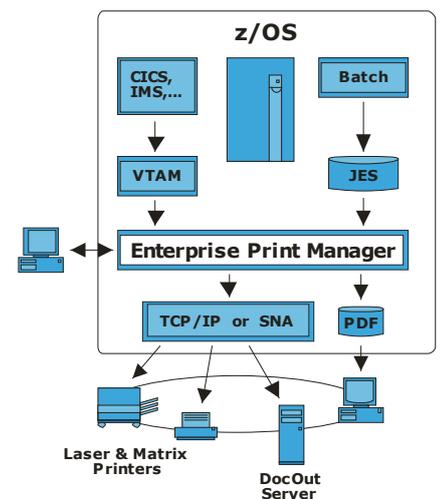
Administration is simplified significantly using the user interfaces and features such as printer types (models), defining almost everything about a certain type of printer. All printers are defined only once, i.e. in EPM. Even JES printer definitions are not required.

AFP to PDF conversion

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.

Key features

- ✓ Compliant with all z/OS® levels
- ✓ AFP, XML and SCS printing
- ✓ AFP2PDF and PDF/A conversion
- ✓ JES and VTAM input
- ✓ PCL and PostScript output
- ✓ E-mail and PDF output
- ✓ Outline font support
- ✓ Full colour support
- ✓ TCP/IP and SNA printing
- ✓ Upload-and-Print
- ✓ Full screen user interface

Output management and workflow solutions since 1981

www.mpitech.com

Full colour support

Full colour support allows you to print full colour 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 colour images, combined with coloured 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 PJL.

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. colour, 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.

Technical details

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

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

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

System Requirements
- JES2 on all supported z/OS® levels
- JES3 on all supported z/OS® levels

User Interfaces Available
- TSO/ISPF
- VTAM Application (3270)

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