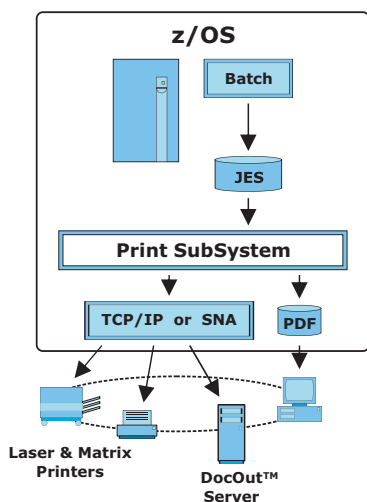
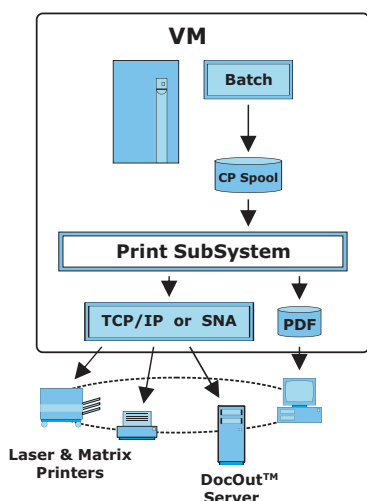


The printing subsystem for Z/OS (MVS) and VM

Host Software



- **Printing system for z/OS, OS/390 and VM using network printers**
- **JES and CA spool printing (MVS)**
- **AFP printing**
- **PCL and PostScript output**
- **AFP to PDF and PDF/A conversion (MVS)**
- **e-mail output (MVS)**
- **Full color support**
- **TCP/IP and SNA support**
- **VM: CP spool printing**



PSS™ - Print SubSystem

Mainframe printing software using network printers

PSS is a printing subsystem for z/OS and OS/390 (PSS/MVS) and VM (PSS/VM). PSS prints spool data on TCP/IP and SNA connected network printers.

In addition, PSS converts AFP into PDF (MVS only).

PSS processes data from JES Spool or CA Spool (VM: CP Spool). AFP, XML as well as line data are processed and transformed into PCL, PostScript, PDF (MVS only) or ICDS and printed.

The AFP to PDF conversion output (MVS) may either be written to disk or distributed using e-mail or automatically initiated File Transfer.

PSS/VM provides PCL and PostScript output and printing. PDF is only produced in combination with the windows server solution DocOut.

PSS is simple to install and use, which also provides a reliable method of host generated PDF and e-mail output as an add-on to your printing solution.

PSS Highlights

AFP printing on common laser printers is easily implemented using the same resources as IBM PSF. PSS converts AFPDS and existing line based legacy applications output adding forms (overlays), graphics and color images, all without changing the host legacy or batch application. PSS prints the host output directly on PCL, PostScript, ASCII and SCS printers using TCP/IP or SNA networks.

AFP2PDF conversion (MVS) web-enables the host data. Several output options are available. PSS either stores the PDF output in an MVS data set or initiates a direct e-mail output. Also an automatically submitted JCL deck (JCL Submit) can initiate a File Transfer or other methods of postprocessing. The way the output is delivered is independent of your existing applications, thereby providing new options for web-enabled output delivery.

Printing and Conversion Solutions



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

PSS allows you to print existing applications to almost any existing legacy 3270 printer, ASCII printers and PCL and PostScript printer devices using common, already installed LAN attachments.

Input Data Streams

MVS: JES spool, line data, AFP and XML
VM: CP spool, line data, AFP and XML

Output Data Streams

HP PCL 4, 5e, 5c
Adobe PostScript Level 2
ASCII
3270 (SCS or DCS)
z/OS, OS/390 only: Adobe Portable Document Format (PDF), incl. PDF/A
PDF output for VM:
See ACM
AFP Conversion Module

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 providing using TCP/IP port 9100 and PJL.

Minimizing CPU and network load

By combining PSS with the DocOut Server Software a significant off-load of the mainframe and the network may be achieved. PSS does the AFP processing 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. PSS and DocOut perform an automatic resource checking, including versioning (timestamp). 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 PSS – DocOut combination supports SNA as well as TCP/IP.

Printer Network Protocols and Attachments

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

System Requirements

PSS/MVS: z/OS, OS/390 JES2, JES3 or CA Spool
PSS/VM: VM/ESA, z/VM

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