



> Healthcare Labels from Host Systems

RPM and Dymo® Label Printers

- > AS/400 & Mainframe label printing
- > Label printing in healthcare settings
- > Significant cost savings

“ With RPM, we can change fonts, margins, lines per inch – whatever. And our thermal Dymo printers are virtually maintenance free. ”

- RPM/Dymo Customer

A hospital information system provider needed to create labels using data from AS/400 healthcare applications. With RPM Remote Print Manager and Dymo label printers, the solution is inexpensive, flexible, and low maintenance.

» Flexible AS/400 Printing

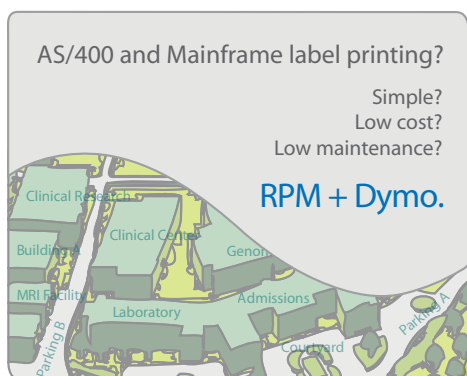
- RPM (running on a Windows-based PC or server) receives documents and print data from AS/400 and mainframe systems. If necessary, RPM then reformats or transforms the document in preparation for printing.
- The IS provider performs the following transformations on host data to prepare for printing to Dymo printers:
 - > SCS is converted to ASCII
 - > Orientation is changed from portrait to landscape
 - > Font is changed to Tahoma 10 pt
 - > Lines per inch are changed to 8.8
 - > Page margins are altered slightly

BACKGROUND A major challenge for healthcare IT executives is that much of the data they need to use in printing labels for positive patient ID, charts, pharmacy, and other documents is stored in AS/400® and mainframe host systems running critical hospital applications. Traditionally, unlocking this host system data and making it available for printing on less expensive, widely available Windows®-based resources has involved major reprogramming on the host side and significant investments in hardware, software, and other resources.

BUSINESS NEED With on-demand label printing becoming more affordable and more important in healthcare facilities, the provider needed a way for large hospitals to print labels using data from AS/400 healthcare applications to inexpensive Windows-based label printers with little or no modification to the AS/400 host system.

SOLUTION: RPM and DYMO LABEL PRINTERS The company's network administrators use RPM Remote Print Manager to simplify label printing from the host systems at hospital facilities. The AS/400s simply send the necessary print data to RPM, which receives the data for various label types and transforms it in preparation for printing (see column for transformation details): RPM adjusts fonts, margins, and other attributes based on the settings defined for each RPM queue.

A network administrator at the company believes Windows-based printers are easier to use and manage especially when coupled with RPM. RPM is able to isolate the printing process from the AS/400, eliminating some of the headaches involved with native AS/400 printing.



» **RPM and Healthcare**

• Solaris™

A medical group in Oregon uses RPM to receive print jobs from a medical billing application running on Solaris. RPM does a better job of printing and formatting the documents than Solaris does.

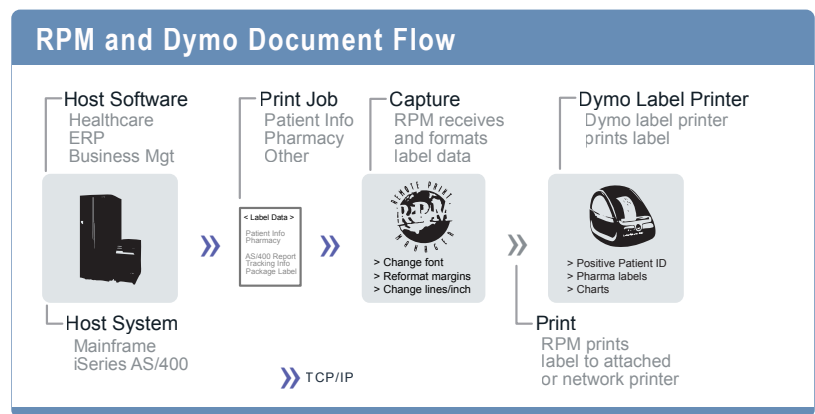
• AIX®

A Kansas-based, not-for-profit healthcare system uses RPM to capture radiology reports from AIX. The reports are then bundled and encrypted and sent over a secure line.

• Windows 2003 Server®

One of the largest medical centers in New England uses RPM with Eclipsys' Sunrise Clinical Manager™. The application runs patient care reports every hour and prints them to RPM, which in turn saves the reports to file on a server running Windows 2003. RPM stores the reports for backup so the patient information can be accessed if the main Eclipsys application is not available (e.g. if the network is down, the system has crashed, etc).

SOLUTION CONT'D For printing the labels, the company uses Dymo thermal label printers. One end user describes the printers as virtually maintenance free and very affordable, costing far less than comparable printers. With RPM acting as the bridge between the AS/400 data and the Windows-based Dymo printers, there is no need for specialized printer drivers or other modules, saving both time and money and simplifying the host print process.



Document Flow Diagram for RPM and Dymo Label Printers: Host system sends document or print data to RPM via TCP/IP. RPM massages the label data (margins, fonts, orientation, etc.) to prepare it for printing. RPM sends the reformatted label data to Dymo label printers for local or network printing.

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RESULT Label printing in hospital environments has been simplified and improved in the following ways:

- » Network administrators are able to set up new Windows-based host data label printers with little or no change to the AS/400 host system (beyond creating or redirecting OUTQs to RPM)
- » The RPM + Dymo combination is much less expensive than comparable solutions and is virtually maintenance free
- » RPM working in combination with Dymo thermal printers has created an affordable, reliable, and flexible host label printing solution

» **RPM Remote Print Manager®**
Improving Document Workflows