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Printer Share: Printing to a Shared Printer w/ATM fonts (6/93)

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TOPIC -----

When printing a document with ATM fonts to a "shared" printer such as a LaserWriter Select 300, I receive the following message, "The ATM fonts used in this document cannot be used when printing to a shared printer."

The printer is directly connected to a Macintosh that is on the network, and is being shared via Printer Share. I am printing from a remote Macintosh when I get that error message. If I print the document from the host machine (to which the printer is directly connected), the document prints fine. Also, TrueType fonts print fine from both the host machine and my remote machine.

By the way, if I try to disable background printing from the remote Macintosh, I receive the following message: "Can't be turned off on a shared printer."

Why am I receiving these error messages?

DISCUSSION -----

We (Apple) were able to verify the problem outlined when using ATM (Adobe Type Manager) on a remote computer printing to a shared LaserWriter Select 300.

For ATM and Type 1 fonts specifically, both the ATM software along with the bitmap and printer Type 1 fonts are REQUIRED on the host computer (where the printer is attached) in order to print correctly. This is because the ATM font information is not sent across the network with the print job. As far as TrueType fonts are concerned, the detailed representation of the font IS sent to the host machine and prints without problem, regardless of the software on the host machine.

The major reasons for the difference in usage between TrueType and ATM fonts are due to:

- 1) The legality of dispersing ATM fonts

2) Simply a time/resource constraint on the engineering team to fully integrate ATM into the PrinterShare technology.

This behavior is present in all printers that use Printer Share (a system extension of GrayShare software), specifically: the LaserWriter Select 300, StyleWriter II, Apple Color Printer, and the Personal LaserWriter 300.

As far as not being able to turn "OFF" background printing from a remote computer, we did not encounter any problems with this. Background printing must, however, be enabled on the host machine in order to share the printer on the network.

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