



Citrix/Terminal Services Printer Purchasing Guidelines

Purchasing Printers:

Not all printers are compatible with Citrix/Terminal Services environments. Below are some guidelines to use when purchasing a printer.

1. Is the printer host-based? Host based printers are not compatible. Host-based printers use memory and CPU resources from the server or client computer to create print jobs and usually create print jobs that are larger than PCL-based printer jobs. Host-based printers often cause slow printing and high network bandwidth consumption. Host-based printers are therefore not supported in a Citrix/Terminal Services server environment.
2. Is the printer Printer Control Language (PCL) or Post Script (PS) compliant? If the printer is not, this printer will not be compatible. "Printers using PCL or PS print drivers are generally supported for printing. These printers may be supported for printing but may have limited functionality for additional features."
3. Is the printer using Lightweight Imaging Device Interface (LIDIL) technology? LIDIL technology based printers are not compatible. "Printers utilizing Lightweight Imaging Device Interface (LIDIL) print drivers are not supported in a terminal server environment. Many HP Photosmart and All-in-One Printers utilize this technology and should thus be avoided."

Recommended Printers:

The below printers are recommended by the vender for Citrix/Terminal Services environments.

- **HP Printers** - Various LaserJet and Business Inkjet printers with drivers based on PCL technology. Refer to document [HP Printers Supported in a Citrix Metaframe Presentation Server Environment](#) before you purchase.

Note: HP LaserJets and DeskJets come in many sizes and flavors. We can support printing to most using the generic HP LaserJet 4 driver but all features may not be supported in the Citrix/Terminal Services environment.

- **Brother Printers** - are compatible with the generic driver provided by Brother. This generic driver is for use with terminal server and supports various Brother Monochrome laser printers that utilize PCL 4 or higher



drivers. This does not guarantee that all the features of the printer will work but that the basic printing functionality of the printer will work. Contact Avazpour for more information.

- **Canon Printers** – Canon has tested and approved the Canon ImageRunner 2200-3300 printers on terminal server for printing only. This does not mean that every feature of the printer will work but that the basic printing functionality will work.
- **Xerox Phaser and Xerox Document Centre Printers** – limited functionality. Avazpour has performed some testing on these printers and the above are compatible with limited features.

Note: These printers have not been tested by Avazpour Networking Services (except for some limited testing as indicated above). Avazpour Networking Services does not guarantee that the models listed above will be Citrix/Terminal Services compatible.

Other Considerations:

Some programs have printer requirements of their own. If you are using a specialized, industry specific application, please check with the software vendor and the Avazpour Support Team for printer requirements before you make a purchase.

Summary:

Just because a printer does not fall into the above categories does not mean that the printer will not be able to print in the Citrix/Terminal Services environment. Before you purchase printers, use the above three questions as guidelines.

As always, feel free to contact Avazpour Networking Services for more information or assistance when purchasing a printer.



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