Dell Proximity Printing Solution

Enable the mobile worker to quickly access the nearest printer
Rethink the way you print!

What good is mobile computing if you can't have mobile printing?

Mobile users who are away from their desks often have difficulty finding and using a printer, undercutting the productivity gains that mobility can provide. Today's work environment requires you to move from floor to floor and building to building without giving up access to information and the ability to share printed documents. This is difficult because you don't always have the entire network printer directory loaded on your notebook. And you may not know where the nearest, functioning printer is in the building.

Dell Proximity Printing Solution (DPPS) is a free, downloadable software application that is designed to meet this challenge by helping you easily access any nearby printer resource on the network, regardless of its brand or location, using a map of your enterprise network that highlights the location of printer devices.

- **Print to any printer on the network** – the application will suggest the nearest printer for you and other printers in the area by highlighting the resource on a map of the building and floor where you are currently standing.

- **Use in wireless or wired environments** – When roaming wirelessly, you can quickly bring up the graphical map of your floor and select a nearby networked printer. In a wired environment, DPPS automatically selects your default printer.

Print to the nearest printer - wherever you are.

Redirect jobs to a working printer resource

When you need to print there is nothing more frustrating than your default printer being offline or broken. DPPS can help you find the nearest, functioning printer and redirects your job there. That means you can get your job accomplished conveniently without skipping a beat.

Stay productive

When your printer is offline, DPPS helps eliminate the need for you to physically get up from your desk or meeting and search for the nearest printer. Instead, locate it quickly, right from your chair.

Help improve user satisfaction

Locate printer resources and direct printing jobs to a color, black-and-white, or multifunction printer (MFP) without having to search for addresses – helping to save valuable time.

Utilize printer device features

Access duplexing features, helping to save paper and toner.

Print to multiple printers without downloading multiple drivers

A typical network hosts various brands and models of printer resources that may require you to download a myriad of drivers just to print a simple job. Searching for the latest drivers, downloading them, and configuring your computer to work with a new printer can be frustrating and a waste of time. With DPPS, there is no need to download multiple print drivers; DPPS uses a single, global queue that is compatible with most network brand printing devices.

- Helps minimizes the number of images and queues on a client device, designed to lessen interruption to workers as new printing devices are introduced to the network

- Uses only a single driver to help eliminate the need to install multiple printer drivers across the network, helping to minimize chances of corruption.

- Manages only a single print queue that can be tested once and published to all client systems, helping to save time and operating costs.

How DPPS Works

After an Administrator configures building/floor maps with the printers assigned to the network, DPPS uses the wireless network in your building to determine the location of your laptop or desktop computer, and then designates the printer that's closest to you. The DPPS software functions similar to a universal print driver. A compatible server installed with DPPS uploads information about the printer that the user has selected and processes the job for that specific printer type. It is designed to convert the print job data to a format that the printer will understand before transmitting the data to the print device.

Requirements

- One single server installed with DPPS (physical or virtual) plus the DPPC package installed on user laptops.
- DPPS Server domain (active directory) and a network in which to run
- Security is maintained as the server accepts an inbound job only if the user has appropriate network rights
- Systems are to be part of the domain. This solution is based on using wireless data to gain proximity data and requires wireless access points (see supported technologies)

Dell Proximity Printing Solution Support

For technical support on Dell Proximity Printing Solution, customers are required to have a ProSupport contract. For ProSupport service please visit **www.dell.com/prosupport**

For online documentation (English only) please visit **http://support.dell.com**

For the most recent version of DPPS server install package, drivers and technical information about Dell printers please visit **http://support.dell.com** for details

For the latest version of Dell Proximity Printing Solution, please visit **http://support.dell.com**

Dell Proximity Printing Solution: Supported Technologies

Client	Microsoft® Windows XP® Professional SP2+
	Microsoft Windows Server® 2008 & 2008 R2
	Microsoft Windows Server® 2003 & 2003 R2
	Microsoft Windows Vista®
	Microsoft Windows 7®
Server	Linux (Ubuntu/SuSE/RHEL)®
	Kerberos® version 5
	Apache®/PHP/MySQL®
	Printer Command Language (PCL)/Graphics Device Interface (GDI)/PostScript 3 Language
	Supported Protocols: TCP/IP; SNMP; HTTP, LPD, IPP.

Printers with PCL or PostScript™ engines that can print using Port 9100, LPD/LPR, or IPP will work.

You will need to have the following network environment, equipment and skill set to help ensure a successful implementation of DPPS:
1. Physical or virtual server installed with DPPS plus the DPPC package installed on user laptops. For more information on minimum hardware requirements, please refer to the user and installation guides at http://support.dell.com
2. Wireless network with reasonably distributed access points or a LAN connection
3. Network based printers
4. IT professional with advanced knowledge of:
    a. Linux
    b. Microsoft® Active Directory® (AD)
    c. Domain Name Services (DNS)
5. A network infrastructure with
    a. Microsoft Active Directory
    b. Domain Controller (DC)
    c. Domain Name Services

Support on DPPS is provided for Dell-branded printer customers who have a Dell ProSupport™ contract. DPPS support is not available on non-Dell branded printers. ProSupport™ provides a high level of telephone technical support for customers with server, storage, and printer fleet environments.

Dell Proximity Printing Server includes open source software that is subject to open source licenses and provided as is. While Dell has vetted DPPS for security vulnerabilities, this version may have code vulnerabilities.