



PrintWise Host Requirements and Security



PrintWise Q&A

Q. What are the IT requirements for this to run its inventory?

- A.**
- Devices are TCP/IP accessible.
 - Is there an existing fire wall? If so, are port 80 (HTTP) or port 443 (HTTPS) open?
 - IP range(s) to be scanned for print/imaging devices. Tool will auto-discover IP ranges the host can detect. These IP ranges can be edited for more efficient scans.
 - Print devices have SNMP Ver. 1 enabled with default community string “public.”
 - Provide other SNMP community string if other than default setting
 - Host server is running Microsoft .net Framework 2.0 SP2 or .Net 3.5 SP1 OR HIGHER.

Q. Does it run a workstation or server?

- A.** A non-dedicated powered on 24/7 server is the best choice. A workstation powered on 24 hours can be used, but there is a risk of transmission issues.

Q. Is it browser-based?

- A.** No, although the DCA service does send encrypted printer info via HTTPS (port 443) or HTTP (port 80) protocol. It is basically a Windows service that runs in the background on the host.

Q. What technology does it use to scan the network?

- A.** The DCA uses SNMP v1 to scan and gather information from the imaging devices. The software is only looking for imaging devices (Printer interfaces) and attempts to collect the critical imaging device metrics necessary to manage a printing environment.

Benefits of Managed Print Services:

- Consolidate vendors to one source locally and nationwide
- Reduce burden on your IT professionals
- Automated supply fulfillment
- Established recycling procedures
- Real-time reporting of entire fleet for accurate budgeting and right-sizing

Note: PrintWise Software will not impact compliance of the following laws:

- Health Insurance Portability & Accountability Act (HIPAA)
- Sarbanes-Oxley
- Gramm-Leach-Bliley Act (GLBA)
- Federal Information Security Management Act (FISMA)

The information transmitted is encrypted and is only viewable on your host device and the dedicated Loffler Print Wise server using a shared key created during the installation and activation process. The encryption algorithm uses hardware parameters and Windows® Product ID of the DCA Host; this ensures that the Shared Key will not be used on DCA Installations other than the one where it was stored during DCA Activation.

Hardware and Operating System changes to the host will likely require the DCA to be re-activated with the generation of a new pin code.

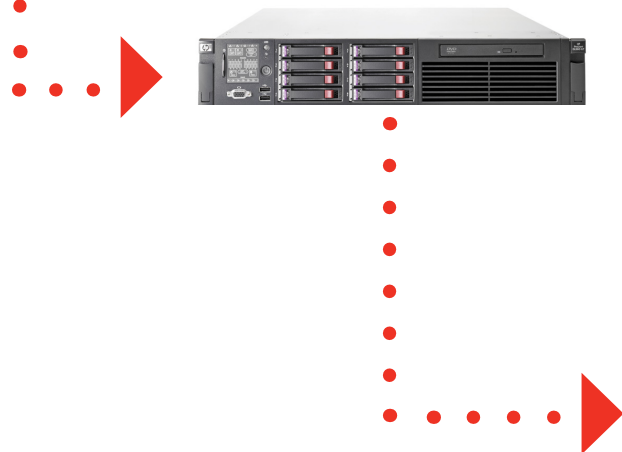
Save money. Improve workflow.
Protect the environment.
All with one call.

How the PrintWise Process Works

Client Environment



Client Server



Data Collection Server



The screenshot shows the PrintWise LOFFLER web interface. It features a table with columns for 'Device Name', 'Status', 'Page Count', 'Toner Level', and 'Error Code'. The table lists various printer models and their current status, such as 'HP LaserJet P1102' and 'HP LaserJet P1102'. The interface also includes a search bar and navigation buttons.

A simple Data Collector Agent (DCA) is installed on a non-dedicated server at your location. Installation typically takes 15 minutes. Its only purpose is to collect your devices' MIB data (toner levels, page counts, error codes). The information is encrypted and transmitted via port 443 or port 80 to our server. The transmitted file is typically 4-20 kb in size. The information is viewable via our PrintWise web browser. It also acts as the portal to create various reports, supply levels, maintenance flags and meter read exports.

Network/System Installation Requirements:

- Desktop computer system (Windows 7/8; Windows Server 2003, 2008, 2012)
- 100MB or higher network card
- Internet connection with 100 MB minimum NIC
- System must be powered ON at all times.
- Does NOT need a dedicated system
- TCP I IP configuration
- Port 443 (HTTPS) or Port 80 (HTTP) must be open for automatic transmission of collected data
- Microsoft .NET Framework 3.5, SP1 or higher

LOFFLER