# Technical Specifications
# FMAudit Agent
# for Local Printer Support

**As with the other FMAudit products, the FMAudit**

**Agent pulls information directly from the hardware.**

**This includes any compatible printers connected**

**to a workstation via USB, parallel or serial port.**

For added convenience, the Agent may be deployed to the workstations via scripting, or a similar push approach. Since the Agent is a fully integrated component of the FMAudit product family, it extracts information from the local printers each time an audit is performed on the network. When added to the results gathered for networked printers, this greatly enhances your ability to assess the entire printer fleet within minutes.

In the past this information has been virtually impossible to gather manually. You may have even resorted to using a print management solution that was costly, cumbersome to deploy, and intrusive to the end-users. Using either method required waiting up to 30 days for results that weren't always accurate.

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## Network Configuration

### Installation:
The FMAudit Agent service may be deployed to the network using a script. Scripts are used to automate the management of administrative tasks. You may also use one of numerous third party products with support for your OS which allow auto installs of services. The FMAudit Agent is started each time the computer is rebooted, and doesn't require any configuration.

### Network Settings:
The computer must be assigned an IP address (DHCP or manual) on the local subnet.

### Network Authentication:
The computer is not required to be logged in on the network to respond to a network audit and extract information from the printer. The FMAudit Agent will authenticate itself during boot up under the account which it was installed on.

### SNMP Settings:
The FMAudit Agent uses it's own built-in SNMP server. This translates network audit queries from any FMAudit application and communicates back and forth with the local printers via PJL/PML. SNMP must be enabled throughout the network points which require access (firewalls, routers).

## Network Traffic

### Discovery Process:
FMAudit discovers devices by sending out a general broadcast on the local area network using SNMP. Any networked devices respond with their specific IP address to this request, in addition to the patented FMAudit Agent that supports printers attached via USB, parallel or serial port. FMAudit uses a highly compacted query that filters and optimizes any further network traffic to local or networked printers alone. The amount of network traffic is minimal as a result.

## Operating System Support

### Local Workstation Service
☑ Windows 2003   ☑ Windows NT
☑ Windows XP     ☑ Windows 98
☑ Windows 2000   ☑ Windows 95

### Workstation Requirements
.NET Framework runtime components or equivalent

## Printer Support

HP compatible printers with support for PJL/PML. These include devices compatible with the HP LaserJet 4 and above printer family. HP LaserJet 4L, 5L, 6L, and 1100 printers will be reset to factory defaults if they are manually reset or unplugged.