

HP Web Jetadmin 10.0
HP SNMP Proxy Agent



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1 Introduction

The HP SNMP Proxy Agent is software that can be loaded to a desktop client PC to allow HP Web Jetadmin 10.0 to discover and manage locally connected (USB, LPT) printers. The HP SNMP Proxy Agent functions by exposing printer MIB OIDs to the client's Microsoft SNMP service. A simple PC-Connected printer discovery in HP Web Jetadmin 10.0 can now discover locally attached printers. Additional printer information can be gathered through the proxy such as remaining toner levels, page counts, status, and more.

2 What's New

HP SNMP Proxy Agent for HP Web Jetadmin 10.0 has been re-released and is now version 8.35.37569. This version of Migration Tool was developed to address problems where HP Web Jetadmin was not setting Alerts Subscriptions onto devices appropriately.

This version of the HP SNMP Proxy Agent for HP Web Jetadmin 10.0 includes the following functionality:

- HP Web Jetadmin 10.0 will query the standard printer and enterprise PML OIDs in the supported printers. In most cases, the printer model name, engine page count, toner levels, serial number, etc. are available. Many recent enterprise devices support additional objects, while some of the lower end personal printers may not support many objects at all.
- While visible in the product, configuration and alerts are not supported for this first release. Only reading of information from PC-Connected printers is supporting, not writing.
- Traps (events) from PC-Connected printers are not supported to detect device status and/or process alerts. HP Web Jetadmin 10.0 only detects changes in a device by polling or manually refreshing the device.
- Supported discovery methods of PC-Connected printers include **IP Broadcast**, **Specified Address**, **IP Range**, and **Quick Device Find**.
- If a proxied windows host fails to respond to HP enterprise printer OIDs during discovery (because the printer is powered off/disconnected, or the printer driver's I/O stack lacks a supported bi-directional interface), HP Web Jetadmin 10.0 classifies the host as a ?windows workstation? and does not place it in any device list. Thus, if a supported PC-Connected printer is newly attached to a proxied workstation and a supported driver is installed, the printer will not be visible in the device lists until another discovery has completed.
- Only a single supported printer attached to each client computer will be discovered. The agent instruments the current user's default printer if supported, else it instruments the first supported printer it finds. Multiple printers connected to a single client machine will be supported in a future release.
- To be discovered, printers must have a driver that supports DOT4 bi-directional communications.

3 System Requirements

Listed below are the minimum and recommended system requirements in order to install the HP SNMP Proxy Agent:

- Intel Pentium or Celeron processor (Pentium II or higher recommended)
- 64 MB RAM (128 MB RAM or higher recommended)
- Windows Server 2003 Enterprise Edition

HP SNMP Proxy Agent is supported only on the following Microsoft Windows operating systems:

- Windows 2000 (SP 4)
- Windows XP (SP 2)
- 10 MB available hard disk space

Windows SNMP service must be installed and configured to allow queries from the HP Web Jetadmin 10.0 server. The community name should be set to public for read access. For more information, see the Installation and Setup section in the HP Web Jetadmin 10.0 User Guide or online help for HP Web Jetadmin 10.0.

Firewall settings should be appropriately modified to allow HP Web Jetadmin 10.0 to query the proxy agent (for example, UDP port 161 should be open for SNMP queries).

4 Installation

Two modes of installation are available:

- **Standalone installation:** This will be the standard (non-silent) installation which takes input from the user in the form of responses to dialog boxes. Administrators can install the package using either the EXE package or the MSI package as such:
 - **Installation through MSI package:** Administrator double clicks the HP SNMP Proxy Agent `msi` file or runs the `Msiexec /i ?HP SNMP Proxy.msi?` command.
 - **Installation through EXE package:** Administrator double clicks the `hp_snmp_proxy.exe` file or runs the `hp_snmp_proxy.exe /i` command. Thereafter the user will be guided by the installer through a series of dialogs.
- **Silent Mode Installation/Network Installation:** The silent mode of installation is provided for ? push? based installations. Administrators can initiate a silent installation (without UI) with the following commands.
 - **Installation through MSI package:** Administrator double clicks the HP SNMP Proxy Agent `msi` file or runs the `Msiexec /i ?HP SNMP Proxy.msi?` command.
 - **Installation through EXE package:** `hp_snmp_proxy.exe /s /i`

5 Devices Now Supported with HP Web Jetadmin 10.0

HP Web Jetadmin 10.0 now supports these additional devices:

- HP Color LaserJet 4650
- HP Color LaserJet 5550
- HP LaserJet 4250
- HP LaserJet 2410
- HP LaserJet 2420
- HP LaserJet 2430
- HP Color LaserJet
- HP Color LaserJet 3600
- HP Color LaserJet 3800
- HP LaserJet 5200
- HP LaserJet 3035
- HP LaserJet 3027
- HP Color LaserJet 4730 MFP
- HP LaserJet P3004 Series
- HP LaserJet 1320 Series
- HP LaserJet 1160 Series
- HP LaserJet 3015
- HP LaserJet 3020
- HP LaserJet 3380
- HPLaserJet 3500
- HP LaserJet 1015
- HP LaserJet 2300

- HP LaserJet CP 6005
- HP Laser Jet CP 3505
- HP LaserJet 3050
- HP LaserJet 3052
- HP LaserJet 3055
- HP LaserJet M5025 MFP
- HP LaserJet M5035 MFP
- HP LaserJet M4345 MFP
- HP LaserJet 3390
- HP LaserJet CP4005
- HP Laser Jet 2200
- HP LaserJet 3030
- HP Laser Jet 4300
- HP Color LaserJet 3550
- HP LaserJet 9050 MFP
- HP LaserJet 4350
- HP LaserJet 5200L
- HP LaserJet P3005 Series
- HP LaserJet 1300
- HP LaserJet 1300n
- HP Color LaserJet 2820 Series
- HP Color LaserJet 2830 Series
- HP Color LaserJet 2840 Series
- HP LaserJet 4600
- HP LaserJet 8150
- HP LaserJet 9000
- HP LaserJet 9050
- HP Color LaserJet 3000
- HP Officejet 6200 Series
- HP Officejet 5600 Series
- HP Officejet 4200 Series

- HP Officejet 4300 Series
- HP Officejet 6300 Series
- HP Officejet 9100 Series
- HP OfficeJet Pro K5400 Series
- HP Officejet 6100
- HP Officejet 4100
- HP Officejet Pro L7700
- HP Officejet Pro L7500
- HP Officejet Pro L7600
- HP Officejet Pro L7300
- HP Officejet 5700 Marco
- HP Officejet 5500 Series
- HP Officejet 7300
- HP Officejet 7200 Series
- HP Officejet 7400 Series
- HP Photosmart 380 Series
- HP Photosmart 8200 Series
- HP Photosmart A430 Series
- HP Photosmart D7100 Series
- HP Photosmart D5160 Series
- HP Photosmart C4100 Series
- HP Photosmart C5100 Series
- HP PhotosmartC3100 Series
- HP Photosmart D6100 Series
- HP Photosmart D7300 Series
- HP Photosmart 8000 Series
- HP Photosmart A710 Series
- HP Photosmart A510 Series
- HP Photosmart C7100 Series
- HP Photosmart A610 Series
- HP Photosmart A310

- HP Photosmart 470 Series
- HP Photosmart C6100 Series
- HP Photosmart 330 Series
- HP Photosmart 420 Series
- HP PhotoSmart 440
- HP Photosmart 7800 Series
- HP Photosmart 3300 Series
- HP Photosmart 3100 Series
- HP Photosmart 3200 Series
- HP Photosmart Pro B9100 Series
- HP Photosmart D5060 Printer
- HP Photosmart 140 Series
- HP Photosmart 240 Series
- HP Photosmart 8700
- HP PSC 2200
- HP PSC 2500 Series
- HP PSC 1400 Series
- HP PSC 1500 Series
- HP PSC 2150
- HP PSC 1200
- HP PSC 1300 Series
- HP PSC 1310 Series
- HP Deskjet F300 Series
- HP DeskJet 6980
- HP DeskJet F4100
- HP DeskJet F4180
- HP Deskjet 6800 Series
- HP Laser Jet P2015
- HP Color LaserJet 2700
- HP LaserJet M1522

6 Questions and Answers

Question	Answer
Why doesn't HP Web Jetadmin 10.0 discover my locally attached printer?	<p>Several reasons could account for the printer not being discovered. The following troubleshooting steps may help:</p> <ul style="list-style-type: none">• Verify basic network connectivity with ping at the HP Web Jetadmin 10.0 server's host to the client host.• At the HP Web Jetadmin 10.0 server, use a 3rd party tool such as <code>net-nmp's snmpget</code> to verify basic SNMP service on the Windows client. For example, <code>snmpget 'v 2c 'c public clienthostname 1.3.6.1.2.1.1.1.0</code>• At the HP Web Jetadmin 10.0 server, use a 3rd party tool such as <code>net-snm's snmpget</code> to verify the successful installation of the HP SNMP Proxy Agent. For example, <code>snmpget 'v 2c 'c public clienthostname 1.3.6.1.4.1.11.2.4.3.13.1.0</code> <p>If the agent, printer driver, and printer are all functioning, the agent responds with the INTEGER 1. The agent responds with error NO SUCH NAME if installed/configured successfully but now unable to communicate with the printer.</p> <ul style="list-style-type: none">• You can identify a client's version and supported printer by checking the registry entries under <code>HKLM\SOFTWARE\Hewlett-Packard\HP SNMP Proxy</code> identifying the supported printer.
Once I run a PC-Connected printer discovery and the locally attached printers are discovered, how do I know which ones are PC-Connected printers?	<p>Discovered PC-Connected printers will be displayed in the device lists with the rest of the networked printers.</p> <p>To have a device list that shows only those devices that were discovered as PC-Connected devices, enable a filter through View > Preferences > Device Filters, select PC-Connected Devices.</p> <p>To display a PC-Connected Devices column on any device list that shows which devices are PC-Connected (the value for the PC-Connected devices will be Yes while other devices will show no value), go to and device list and right-click in a column header. Select Customize > Advanced. Then you can add the column PC-Connected Devices to display on the device lists.</p>

Question	Answer
Can I generate reports using HP Web Jetadmin 10.0 Reports features on my locally attached printers?	Yes, reports should be possible on PC-Connected devices. Of course, the data that can be collected will differ from device to device.
Can I use any version of HP Web Jetadmin to discover PC-Connected printers?	It depends upon whether the HP SNMP Proxy Agent is installed on clients. For cases where it is, only HP Web Jetadmin 8.1.3570 or HP Web Jetadmin 10.0 is supported to properly query those client machines for the printer information. For cases where the HP SNMP Proxy Agent is not in use, earlier releases of HP Web Jetadmin, the PC Printer Discovery plug-in can be used (when installed) to discover the locally attached printers using WMI. No additional information other than device model can be collected using PC Printer Discovery plug-in.

7 Legal Statements

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