

## Host Analysis View

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The SiteAudit V2.0 release introduces the capability to track a Host configuration. Among the data collected are host name, host IP address, driver name, driver version, queue name, pages printed, printer make and model. There is a new view called Host Analysis; a discussion of its capabilities and uses follows.

### Applications and Benefits

The Host Analysis View has two primary applications, and these are:

- Configuration Management
- Help Desk Problem Diagnostics

Group, sort, average, sum and filter data to perform cost and service management analysis.

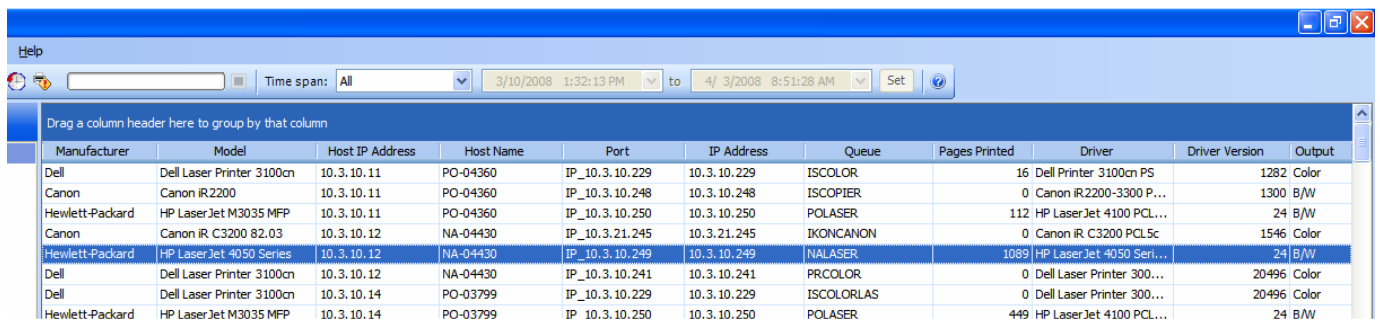
### Benefits

The key applications for SiteAudit and their benefits to organization are listed below:

- *Driver Analysis:*
  - Identifies the driver name, version number and driver type on a host
  - Troubleshoot printer problems based on driver information

Example:

Host IP address: 10.3.10.11  
Host name: PO-04360  
Printer name: NP1E300  
Manufacturer: HP  
Printer: LaserJet M3035  
Pages Printed: 2,509  
**Driver:** LaserJet 4100 PCL 5e  
**Driver version:** 24



The screenshot shows a software window titled 'Help' with a menu bar and a toolbar. Below the toolbar is a table with the following columns: Manufacturer, Model, Host IP Address, Host Name, Port, IP Address, Queue, Pages Printed, Driver, Driver Version, and Output. The table contains 10 rows of data for various printers.

Manufacturer	Model	Host IP Address	Host Name	Port	IP Address	Queue	Pages Printed	Driver	Driver Version	Output
Dell	Dell Laser Printer 3100cn	10.3.10.11	PO-04360	IP_10.3.10.229	10.3.10.229	ISCOLOR	16	Dell Printer 3100cn PS		1282 Color
Canon	Canon IR2200	10.3.10.11	PO-04360	IP_10.3.10.248	10.3.10.248	ISCOPIER	0	Canon IR2200-3300 P...		1300 B/W
Hewlett-Packard	HP LaserJet M3035 MFP	10.3.10.11	PO-04360	IP_10.3.10.250	10.3.10.250	POLASER	112	HP LaserJet 4100 PCL...		24 B/W
Canon	Canon IR C3200 82.03	10.3.10.12	NA-04430	IP_10.3.21.245	10.3.21.245	IKONCANON	0	Canon IR C3200 PCL5c		1546 Color
Hewlett-Packard	HP LaserJet 4050 Series	10.3.10.12	NA-04430	IP_10.3.10.249	10.3.10.249	NALASER	1089	HP LaserJet 4050 Seri...		24 B/W
Dell	Dell Laser Printer 3100cn	10.3.10.12	NA-04430	IP_10.3.10.241	10.3.10.241	PRCOLOR	0	Dell Laser Printer 300...		20496 Color
Dell	Dell Laser Printer 3100cn	10.3.10.14	PO-03799	IP_10.3.10.229	10.3.10.229	ISCOLORLAS	0	Dell Laser Printer 300...		20496 Color
Hewlett-Packard	HP LaserJet M3035 MFP	10.3.10.14	PO-03799	IP_10.3.10.250	10.3.10.250	POLASER	449	HP LaserJet 4100 PCL...		24 B/W

**Analysis:** Host is using the wrong driver for HP LaserJet M3035 printer. The analysis can be extended to show the mismatch of drivers to printers for the entire organization. For many organizations over 25% of printers are printed to with the wrong driver.

- Reduction in help desk calls due to printer problems
- Better utilization of printer features by using the correct print driver

• **Queue Analysis:**

- Identify what print queues are attached between host and printer model
- Track the print volume and usage of the queues
- Diagnose if the queue is correctly setup

Host Name	Queue	Pages Printed	Port	IP Address	Model	Printer Name
<b>Host IP Address: 10.3.10.11</b>						
PO-04360	ISCOLOR	16	IP_10.3.10.229	10.3.10.229	Dell Laser Printer 3100cn	Laser Printer 3100cn
PO-04360	ISCOPIER	0	IP_10.3.10.248	10.3.10.248	Canon IR2200	IR2200
PO-04360	POLASER	112	IP_10.3.10.250	10.3.10.250	HP LaserJet M3035 MFP	NP1E3612E
		<b>SUM=128</b>				
<b>Host IP Address: 10.3.10.12</b>						
NA-04430	PRCOLOR	0	IP_10.3.10.241	10.3.10.241	Dell Laser Printer 3100cn	Laser Printer 3100cn
NA-04430	NALASER	1089	IP_10.3.10.249	10.3.10.249	HP LaserJet 4050 Series	NP16082A7
NA-04430	IKONCANON	0	IP_10.3.21.245	10.3.21.245	Canon IR C3200 82.03	IR C3200
		<b>SUM=1089</b>				
<b>Host IP Address: 10.3.10.122</b>						
FINANCE-03956	FINCOLOR	27	IP_10.3.10.213	10.3.10.213	Officejet Pro K5400	FINCOLOR
FINANCE-03956	FINCOPIER	0	IP_10.3.10.237	10.3.10.237	Canon IR2200	IR2200
FINANCE-03956	MM1	0	IP_10.3.10.252	10.3.10.252	HP LaserJet M3035 MFP	NP1A02B1F
		<b>SUM=27</b>				

## Host Analysis Capabilities

The Host Analysis View works the same way the other seven SiteAudit views do. Data is automatically collected then displayed in real-time by selecting the Refresh button. There are 15 different columns of data in the Host Analysis View, and they are:

- Host Name
- Host IP Address
- Driver Name
- Driver Version
- Queue
- Pages Printed
- Manufacturer
- Model
- Printer Name
- Port
- IP Address
- Serial Number
- Location
- Status
- Output Type

Group, sort, average, sum and filter data to perform cost and service management analysis.

## Configuration

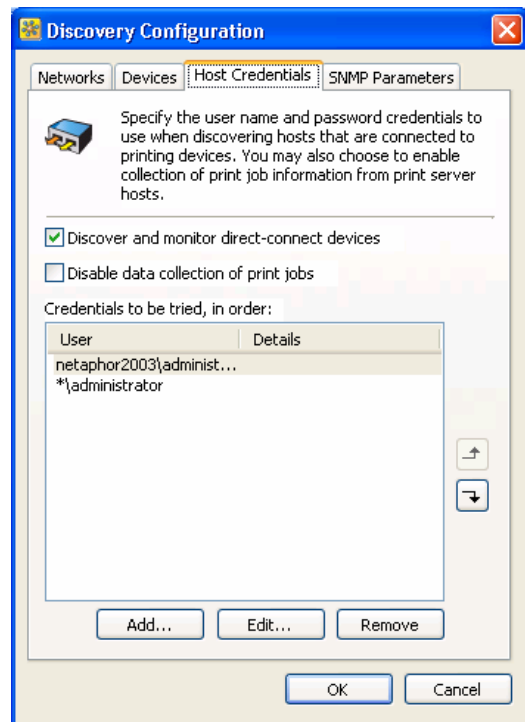
To enable Host Analysis tracking is easy to do and is similar to configuring local printer tracking. This action is performed in the following steps:

- Go to Setup menu
- Select Discovery
- Select the Host Credentials tab
- Enter Host user and password information<sup>1</sup>
- Select OK

Hosts will be discovered based on the Discovery configuration set in the Networks and/or Devices tab(s) and the Host Credential tab.

After Hosts are discovered page counts and applications data will begin to fill-in the View. There is an initial period of several hours before counts will begin to appear. After that they are automatically updated on a regular cycle.

*Note:* You should also check to make sure that the data collection monitoring has started. To do this, go to the Tools menu and see if Stop Monitoring is displayed; otherwise select Start Monitoring.



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<sup>1</sup> To collect hosts and local printer data, SiteAudit requires Windows credentials that permit this action. The credentials must be those of a user who is a member of the "local" administrators group. Typically, in the case of hosts that are part of a Windows domain, the domain administrators group is also a member of the local administrators group. In this case, providing the credentials of a user who is a member of the domain administrators group is sufficient.

If the same username/password combination can be used for all hosts, you can provide SiteAudit with **\*\username** and a password as credentials, and SiteAudit will substitute the name of each host as needed. This is typically the case in workgroup environments and Novell environments.