

FMAudit WebAudit: Technical Characteristics

WebAudit is a Rapid Print Assessment™ method to collect data directly for office printing devices. It identifies printer and MFP assets and captures their associated meters. This document is designed to answer some technical aspects when performing a WebAudit.

How it works

Browser based Microsoft .NET control

WebAudit is an intelligent data collection method using Microsoft's .NET (dot net) framework technology. WebAudit is a component of FMAudit Central, an application hosted on a secure site of your supplier. A WebAudit can be performed by visiting your supplier's site from any of your networked PC's with the Internet Explorer browser. Once the WebAudit is completed, the data is stored at your supplier's location.

WebAudit can only pull information from printing devices. It can not look at any files that reside on the network.

No software will be installed at your location.

At no point in time does your local network become accessible through the internet.

Discovery Process

WebAudit discovers devices by sending out a general broadcast on the local network using SNMP. A highly compacted query is used that filters and optimizes any further network traffic to printers alone. The amount of network traffic is minimal as a result.

If there are concerns about network traffic, please feel free to run diagnostics on traffic during the audit process.

IP ranges — multiple subnets

For networks containing multiple subnets, specific IP ranges can be defined. These ranges might be requested by your supplier in advance so a WebAudit for your location can be pre-configured by your supplier.

Requirements

Internet Explorer

WebAudit currently supports the latest versions of Microsoft Internet Explorer. Other browsers have not been certified and may not work correctly.

Microsoft .NET Framework

WebAudit is a .NET control and therefore requires a supported version of Microsoft's .NET Framework to be installed on the client computer prior to performing a WebAudit. If a supported .NET version is not detected, you'll have the option to connect to Microsoft's website to perform the download and install.

SNMP Settings

SNMP must be enabled on the networked Printers and MFP's. SNMP must be enabled throughout the network points which require access (firewalls, routers).

Granting access to run WebAudit

WebAudit is a .NET control and therefore requires the browser to have a "Trust" established, allowing you to display and interact with the WebAudit control. The "Proceed" button downloads the required file (WebAuditConfigMachine.bat) which must be "Run" to initiate the correct command line parameters prior to displaying the WebAudit control. If you're performing this step from a Windows Vista OS, you must "Save" a copy of the file -> "Open Folder" to view the file -> right click on file and select "Run as Administrator".

The content of this batch file contains the following code:

```
%windir%\Microsoft.NET\Framework\<.NET Framework version>\caspol.exe -m -q -ag 1. -site  
"68.178.226.39" FullTrust -name FMAuditWebAudit
```

This code executes a program in your .NET Framework folder to add the "FMAuditWebAudit" codegroup to your .NET Configuration and grants it FullTrust to run its code on your computer. However, no software will be installed on your computer.

If the WebAudit control is attempted to be displayed prior to successful completion of this step, it will not be displayed and will require the computer to be rebooted and for this step to be performed in order to display the WebAudit control successfully.

Information collected

The information that is collected during a WebAudit contains data from printer and MFP devices only, including IP Address, Manufacturer name, Model name, Serial #, Mac Address of print device and various meters of each print device

If there are security concerns, please feel free to run WebAudit on a restricted user account.