LUCAS COUNTY BOARD OF ELECTIONS

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www.lucascountyvotes.org

February 27, 2015

Data Processing Board
Lucas County

Re: Test and Purchase Approval for MFP Copier

Lucas County Board of Elections requests DP Board approval to field test the **Konica bizHub 554e** (sold by Perry proTech) and the **Ricoh Aficio MP C5503** (sold by MTBT). We request permission to purchase whichever machine we deem best meets our needs following the tests. And, we request approval to move our current MFP copier to our Warehouse office for the remainder of its useful life, removing the aged copier installed there from service.

The 5-year lease on our current Konica bizHub C550 networked MFP copier/scanner/printer/FAX ended in 2014. It requires frequent repairs to keep it working as the department's primary production printer. And, its cost-per-click and maintenance costs are higher than a newer model.

Lucas County Commissioners approved a replacement cost not to exceed $5,000. per year as a lease buyout acquisition; funds to be issued from BOE line item **#512140 – Contract Repairs**. The annual lease amount for either copier under consideration is *less* than that amount (see vendor quotes, attached).

Director

Deputy Director

Business Analysis

BOE runs numerous large-volume print jobs in-house for each election, averaging the following:

Non-presidential years

29.5 thousand documents per month

5 thousand plus envelopes per month

Presidential years

2.2 thousand additional copies in documents plus envelopes

Current Cost-per-click

$0.01550 B&W

$0.10228 Color

This heavy workload requires a more robust, mid-level "production" class copier. Both of the new copiers are considered industry workhorses, and have cheaper cost-per-click/maintenance fees.

We'd also like to test the optional i-Option (Internet), and remote troubleshooting, supplies management and auditing/billing software that comes with these copiers (i.e., Konica's "Automated Meter Collection Software" powered by FMAudit, and Ricoh's "PrintTracker"; see product brochures, attached.)

[Note: both remote applications are *push* technology rather than pull. Impact should be minimal (incl. additional network load, and access through the firewall).]

MFP Copier Requirements (55 ppm class)

- 55 ppm (minimum) duplex
- High-speed scanner
- FAX capability
- User-friendly, easy-to-understand touch screen display panel and keypad
- Large memory capacity
- Large hard drive capacity
- Drawers capable of multiple paper sizes
  (need 8.5"x11", 8.5"x14" and 11"x17" documents; 4.25"x5.5" postcards; and 9"x12" envelopes)
- High capacity side paper drawer (8.5"x11")
- High volume envelope printing (see average annual volume, above)
- Stapling/booklet finisher
- Notebook hole puncher
- Network capable
- Lease payment options (lease-buyout, Fair Market Value)
- Cheaper cost-per-click than our current pricing (color and B&W)
- Reliable prompt repair and maintenance (same-day service needed during elections)
- "Push" technology for any remote management software (rather than "pull" from the vendor)

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Lucas County Board of Elections
Attn: Robert Walden

Description	Quantity	MSRP (unit)	LCBOE Purchase Price	60 month $1.00 Buyout Lease Price
Bizhub C554e Color Printer/Copier/Scan	1	29,930.00	$4,812.18	$98.79
PC-210 2-way Paper Feed Cabinet (Creates 4-Drawer Configuration)	1	1,191.00	$699.76	$14.37
FK-511 Fax Kit	1	1,070.00	$420.06	$8.62
LK-101 v3 i-Option License Kit (Web Browser)	1	53.00	$0.00	$0.00
LU-301 Large Capacity Unit (3,000 sheets/Letter)	1	1,781.00	$769.02	$15.79
FS-534 50-Sheet Stapling Finisher (Provides Sorting/Offset/Multi-Position Stapling)	1	1,855.00	$1,223.65	$25.12
Surge Connected	1	198.00	$0.00	$0.00
UK-204 2GB Memory Upgrade Kit (for i-Option)	1	290.00	$0.00	$0.00
WT-506 Working Table	1	112.00	$44.97	$0.92
KP-101 10-Key Pad	1	126.00	$59.96	$1.23
PK-520 Punch Kit (2/3 Holes) for FS-534 (Provides 2 and 3-Hole Punch)	1	$586.00	$215.05	$4.41
Total			**$8,244.65**	**$169.26**

Service Pricing - B&W - .00643 per impression
Service Pricing - Color - .041 per impression

***Service is all-inclusive except for paper and staples; Includes all supplies**

[Note: items outlined in red are those we're requesting.]

2/19/2015

KONICA MINOLTA

bizhub C554e/C454e

PRINT LIKE THE PROS WITH

e-NHANCED DESIGN & PERFORMANCE

COUNT ON KONICA MINOLTA

A3 MFP LINE OF THE YEAR 2013 BLI BUYERS LAB LINE OF THE YEAR

The bizhub C554e series proudly joins the bizhub family – named 2013 A3 MFP Product Line of the Year by Buyers Laboratory Inc.

SOFTWARE AND SYSTEM ENHANCEMENTS TO EXPAND YOUR HORIZONS

For greater production power, Konica Minolta gives you all the options – including a powerful Fiery Image Controller for graphic-intensive applications and a Super G3 high-speed fax with multi-line options. You'll have seamless integration with standard 3rd-party software, control-panel access to downloadable apps* that improve your productivity, and system enhancements for document management, variable-data mailing, account tracking, cost recovery – even industry-standard programs for healthcare, education, legal and other specialized applications.

Advanced options to expand your all-in-one productivity.

Our evolutionary bizhub C554e and C454e incorporate a wide array of extended functions – including direct access to downloadable apps from the bizhub MarketPlace.* These apps, specifically designed for use on our MFPs, allow you to display corporate announcements on your control panel, access a library of business forms and templates, check on the status of your MFP's security settings, scan to Microsoft SharePoint, order Clean Planet recycling boxes, print Clean Planet shipping labels and much more – all without ever leaving the MFP.

Along with downloadable productivity apps and scalable options for auto finishing and paper handling, you'll have access to innovative i-Options for the specialized capabilities required by your business or profession. The new i-Option LK-110 makes it easy to convert User Box data to Compact PDF files and transform incoming faxes to searchable PDF. LK-110 lets you create or convert documents to the various Office Open XML file formats you need. You can also direct-print files attached to email messages. And you can quickly encrypt PDF files – an important security enhancement to safeguard confidential information.

Another new i-Option, LK-111, provides ThinPrint support – enabling the bizhub C554e and C454e to print in ThinPrint environments without additional hardware. ThinPrint can speed your printing by performing data compression and controlling broadband network traffic when print jobs are sent from ThinPrint engine to ThinPrint client. You can also add more i-Option kits for your bizhub MFP: LK-101 v3 for web-browser support, LK-102 v3 for PDF/A (1a/1b), Linearized PDF and AES 128-bit PDF encryption support, LK-104 v3 for Voice Guidance operation, LK-105 v3 to create searchable PDF files, LK-106 for Barcode Font support, LK-107 for Unicode Font support, and LK-108 with support for OCR Font printing.

The bizhub C554e and C454e incorporate Konica Minolta's IWS (Internal Web Server) – a simple, convenient web browser solution for all-in-one functionality. You can even add our Super G3 fax, with dual-line option for high-volume transmission and reception. Scan/Fax Destination List speeds your distribution by filtering searches by criteria you determine – and you'll have selectable fax file formats including PDF, compact PDF, TIFF, JPEG and XPS, plus Color Internet Faxing, PC Faxing and IP Address Faxing for maximum flexibility to speed information to destination.

*Not available at time of launch. Options required.

Fiery color management for graphics-intensive applications.

The bizhub C554e and C454e both accept the optional IC-414 Fiery Image Controller from EFI, giving graphics professionals an ideal all-in-one solution for superior color accuracy and greater productivity in marketing, advertising, design and communications.

The IC-414 handles specific Pantone color matching requirements for reproducing custom corporate colors. Standard EFI Command Workstation functionality helps you manage your color printing more efficiently. Powerful print queue management capabilities keep jobs moving even at times of peak demand – and Fiery Graphic Arts Options include Auto Trapping, Hot Folder printing with embedded job ticket settings, job setup with finishing options and imposition attributes for drag-and-drop printing.

An optional Color Profiler Suite allows you to create customized ICC profiles with CMYK devices. Standard Fiery VUE software orchestrates all these elements into a professional solution for high-impact results – speeding your color workflow and giving you the ability to fine-tune color output to suit the needs of any graphics project.

Enhanced security for protecting information in the digital era.

Security isn't an option – it's a necessity, especially for specialized legal, educational and healthcare applications that must comply with JSOX, FERPA, HIPAA and other government requirements for the protection of sensitive client, student and patient information.

Both the bizhub C554e and C454e include the enhanced security protections your business demands. With bizhub SECURE, your service provider can initiate a powerful array of lock-down protections that guard your bizhub from unauthorized operation. You can initiate encrypted PDF workflow to protect information passing from PCs to networked bizhub devices. IP filtering registers IP addresses of the PCs on your network.

All models are currently in evaluation to meet strict ISO 15408 security standards – and all accept a wide array of advanced security options to fit the needs of any application, including Biometric Authentication for quick "ID and print" operation, input for HID Proximity Cards, iClass Cards and Magnetic Stripe Cards, CAC/PIV Card support (available summer 2013), even an optional built-in IC card reader. An optional Copy Guard system can require password access to make copies. HDD Lock can apply password protection to your bizhub hard disk drive.

For environments that demand the highest level of security, the bizhub C554e and C454e also comply with the higher level IEEE 2600.1 international standard for MFP and printer information security. To protect information once stored on your bizhub hard disk drive, their Job Erase function automatically overwrites your HDD up to three times – meeting the criteria of DoD 55220.22-M (Department of Defense) and NAVSO P-5239-26 (US Navy). And when your bizhub is reassigned to another location or removed from service, HDD Sanitizing can overwrite data in eight different modes so no sensitive information is compromised.

The PageScope Mobile App enables busy professionals to print from smartphones and other portables directly to networked bizhub devices.

The optional IC-414 Fiery Image Controller brings office workgroups high-quality color control, and automated workflows, allowing them to deliver fully finished, high-impact documents faster than ever before.

bEST: a better approach to of 3rd-party business software.

Hardware and software, working together – that's a key advantage of Konica Minolta's bizhub Extended Software Technology (bEST). Your bizhub control panel can give you direct access to commands for standard business software as well as specialized document handling capabilities for legal, educational and healthcare applications.

Konica Minolta's own PageScope Enterprise Suite provides a powerful set of bizhub productivity tools for server-based authentication and account tracking – including a MyPanel Manager utility to customize the interface that appears at each bizhub MFP and disappears when users log out.

PageScope software utilities do even more. PageScope Web Connection gives each bizhub its own internal website for fast access to device status information. PageScope Net Care Device Manager provides fast, simple IT management of multiple devices from a single point. PageScope Print Status Notifier provides automatic alerts to speed your workflow. PageScope Data Administrator™ handles addresses, passwords, and accounts with ease – and PageScope Box Operator lets you download and access scanned User Box data from your PC.

For all your document needs, you can count on Konica Minolta. Konica Minolta Business Solutions U.S.A., Inc. is a leader in advanced document management technologies and IT Services. The company focuses on complete business solutions including production print systems, digital presses, multifunctional products (MFPs), managed print services, vertical application solutions and related services and supplies. Konica Minolta has won numerous awards and recognition including being recognized as the #1 Brandv for Customer Loyalty in the MFP Office Copier Market by Brand Keys for six years in a row. For the third consecutive year, Buyers Laboratory LLC (BLI) has named Konica Minolta the winner of its "A3 MFP Line of the Year" award. In 2012, Konica Minolta also received "Document Imaging Solutions Line of the Year" recognition from BLI – and has been named to the Dow Jones Sustainability World Index in recognition of the company's economic, environmental and social performance. We are proud of our record of achievement – and we invite you to learn first-hand why you can always count on Konica Minolta. For more information, visit: **www.CountOnKonicaMinolta.com**

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KONICA MINOLTA

ADDED POWER TO CUSTOMIZE YOUR BIZHUB WORKFLOW

i-Option:

- INTERNET ACCESS
- SECURITY, VERSATILE PDF FILE TYPES
- VOICE GUIDANCE
- SEARCHABLE PDF
- BAR CODE FONT
- UNICODE FONT
- OCR FONT
- OOXML FILE CONVERSION, ENHANCED IMAGE DATA
- THINPRINT SUPPORT

Count on Konica Minolta for innovations to speed up your work and maximize your productivity – with powerful options you can add at any time. Quick access to the internet. Greater security to protect your files, voice guidance that provides verbal instructions to facilitate use, searchable PDF files that help you find information faster, and bar code, unicode and OCR font support that meet versatile print output requirements. Technology to optimize print data network traffic. With i-Option[1], you can have all these advantages – in modular kits that make it easy to customize a bizhub® solution to fit your special needs and work the way you do.

i-Option LK-101, i-Option LK-101 v2, i-Option LK-101 v3: gives you access to the Internet from your bizhub MFP control panel without using a PC.

i-Option LK-102, i-Option LK-102 v3: protects confidential information with powerful AES 128-bit data encryption of PDF files, digital IDs, signatures and passwords to meet the demanding standards of security-conscious government and business applications. LK-102 v3 also offers PDF 1/a and PDF 1/b support as well as Linearized PDF support.

i-Option LK-104 v3: offers verbal guidance to end users when the Enlarge Display Screen, Guidance Screen or Accessibility Screen are accessed.

i-Option LK-105, i-Option LK-105 v3: creates electronic searchable PDF files so you can locate specific text references and manage hard-copy documents in electronic form.

i-Option LK-106: adds the ability to support barcode fonts that are essential for SAP printing and for other print environments that use Unix, DOS or AS400 computer systems.

i-Option LK-107: adds Unicode font printing support for many different languages enabling global organizations to meet their needs.

i-Option LK-108: supports the OCR font that is used to produce barcodes. Provides OCR-A and OCR-B (PCL) fonts.

i-Option LK-110: provides DOCX, XLSX format file conversion, Fax to Searchable PDF and ability to Convert Print Data in user boxes to Compact PDF. Combines LK-102/Encrypted PDF and LK-105/Searchable PDF/OCR functionality.

i-Option LK-111: supports ThinPrint, a technology that compresses print jobs to control bandwidth. ThinPrint can significantly reduce print data network traffic.

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[1] i-Option license kit compatibility will vary based on the engine.

i-Option:
POWERFUL FEATURES TO SPEED YOUR WORKFLOW

LK-101 i-Option LICENSE KIT — WEB BROWSER

Requires i-Option Memory Upgrade Kit[2]

Web Browser – This option enables users to access the web directly from the bizhub control panel. You can access HTTP pages, preview PDF files and search and view manuals written in HTML. Browser keys are available to navigate the web – Back, Forward, Refresh and Home Page. Favorite Keys are also available to navigate the web screens. You can set a default home page and view a history of activity. Web output can be sorted, grouped, stapled and printed as single or double-sided documents. You can also store, view and download files saved to WebDAV server from the convenience of your bizhub Control Panel.

LK-102 i-Option LICENSE KIT[3] — ENCRYPTED PDF, PDF/A, LINEARIZED PDF

Requires i-Option Memory Upgrade Kit[2]

Enhanced PDF Encryption – This advanced and secure form of PDF Encryption encrypts PDF documents using AES (128-bit) Encryption and applies additional IDs and Digital Signatures. AES (128-bit) Encryption meets federal government recommendations.

PDF/A (1a/1b)[3] – This is a standard file format that continues to grow in demand. The standard was established by the ISO (International Organization for Standardization) as a means to have a common file type that would protect the longevity of digitally archived PDF file types.

Linearized PDF[3] – An optimized PDF file format used to display PDF files scanned for the purpose of posting them on a web site.

[2] Please refer to respective Configuration Guide to ascertain the i-Option Memory Upgrade compatible with each Konica Minolta MFP. For the bizhub engines without a hard disk drive, you must also add the optional HDD.
[3] LK-102 v3 is the only version that supports PDF/A and Linearized PDF. LK-102 v3 cannot be combined with LK-110 since the LK-110 includes LK-102 v3 functionality.
[4] LK-105 v3 cannot be combined with LK-110 since the LK-110 includes LK-105 v3 functionality.
[5] LK-110 cannot be combined with LK-102 v3 and/or LK-105 v3 since LK-110 includes LK-102 v3 and LK-105 v3 functionality.
[6] LK-111 does not require i-Option Memory Upgrade Kit.

LK-104 v3 i-Option LICENSE KIT — VOICE GUIDANCE

Requires i-Option Memory Upgrade Kit[2] and EK-604/EK-605 or EK-606/EK-607

The LK-104 v3 i-Option License Kit offers verbal guidance to end users when they are in the Enlarge Display Screen, Guidance Screen or Accessibility Screen. The Voice Guidance option offers additional support to end users who have difficulty reading the screen or can more clearly understand verbal instructions.

LK-105 i-Option LICENSE KIT[4] — SEARCHABLE PDF

Requires i-Option Memory Upgrade Kit[2]

The optional LK-105 i-Option License Kit provides Searchable PDF functions—the ability to create a searchable text PDF so that characters can be easily recognized with the use of OCR (Optical Character Recognition) software. The LK-105 i-Option Kit supports multiple languages, providing users with a great deal of diversity and offering tremendous value.

LK-106 i-Option LICENSE KIT — BARCODE FONT

Requires i-Option Memory Upgrade Kit[2]

The ability to support barcode fonts is essential for SAP printing and other print environments that use Unix, DOS or AS400 computer systems. Allows users to generate barcodes based on data sent from ERP systems.

LK-107 i-Option LICENSE KIT — UNICODE FONT

Requires i-Option Memory Upgrade Kit[2]

As more and more companies become global organizations, the demand for Unicode printing to accommodate different languages and scripts has also increased. With the Unicode font, your bizhub will support printing for a variety of languages as well as symbols, ideograms, digits, logograms and more. All representative of everyday business in a truly global organization.

LK-108 i-Option LICENSE KIT — OCR FONT

Requires i-Option Memory Upgrade Kit[2]

Offers the ability to print the OCR font that is used to produce barcodes. The LK-108 i-Option License Kit supports the OCR-A font and OCR-B (PCL) font.

With the introduction of the LK-106 (Barcode Font), LK-107 (Unicode Font) and LK-108 (OCR Font) i-Option License Kits, the compatible Konica Minolta devices can compete aggressively in situations where this support is a necessity for the customer.

LK-110 i-Option LICENSE KIT[5] — OOXML FILE CONVERSION, ENHANCED IMAGE SUPPORT

Requires i-Option Memory Upgrade Kit[2]

Enables users to create Office Open XML file formats (DOCX, XLSX) that enhance work efficiency (complements standard PPTX file conversion). Convert fax receptions to Searchable PDF file formats for enhanced document management capabilities. From the print driver, "Save to User Box" files can be converted to a Compact PDF format to reduce network traffic and minimize file size when forwarding documents (Email, SMB, FTP destinations, etc.).

LK-111 i-Option LICENSE KIT — THINPRINT SUPPORT[6]

The LK-111 is an ideal solution for environments that have implemented ThinPrint technology to address constant heavy network print traffic. These customers typically experience bandwidth bottlenecks and degradation in network performance.

ThinPrint improves network traffic efficiency by compressing print data. It is an effective means of controlling bandwidth to maintain productivity without sacrificing quick and reliable printing. It's a seamless solution because it does not require administrative support or intervention.

COUNT ON i-Option IN ALL THESE APPLICATIONS:

CORPORATE FACILITIES: access Internet information quickly, share files, customize user interface at any MFP, protect sensitive business data; speed document search, file management and print output; bar code font support (SAP Printing).

HEALTHCARE PROFESSIONALS: allows healthcare professionals to protect patient records.

LAW FIRMS AND INSURANCE AGENCIES: encrypt files, add digital IDs or digital signatures, restrict file access with encrypted passwords, quickly search legal documents and policies, perform OCR in your choice of nine different languages to manage hard-copy files in electronic form.

HOTEL AND TRAVEL: manage and access flight data, local accommodations, itineraries, maps, sales territories and more – with quick Internet access and convenience of accessing, viewing, printing and distributing files.

REAL ESTATE: allow brokers to search the web for listings, view properties, print contracts and maintain confidentiality – all without using a PC.

GOVERNMENT AGENCIES: protect PDF files with AES 128-bit encryption that meets federal standards, Voice Guidance Support, search, retrieve and print data more quickly.

GENERAL OFFICES: speed workflow with MFP-based Internet access, log in quickly, perform OCR scanning and share files in electronic form, safeguard financial data, PDF/A (1a/1b) support, and more.

Prior to installing, please verify that the following ports/urls are open and allowable from any firewalls.

a. https://www.gttechonline.com
a. http://update.fmaudit.com/
b. http://meters.perryprotech.com
c. SNMP port 161
d. HTTP port 80
e. HTTPS port 443

1. Click on the button "Click to Download" and save the installer on your desktop
   a. Once the file is saved to your desktop, find the file right-click on the installer package and select 'RUN as ADMINISTRATOR'.
   Be sure to do this even if you are logged in as administrator.
   b. The install wizard will activate. Follow and accept all prompts.

2. When the installation is finished, from the Start menu open the FMAudit Onsite application
   a. If the site does not open, you may need to add the following as exceptions to your Internet Options Trusted Sites and Privacy Settings for pop-up blockers.
      i. http://127.0.0.1:33330
      ii. https://www.gttechonline.com (licensing)
      iii. http://update.fmaudit.com/ (updates)
3. Click on the Login using the Administrator login.
   a. Go to Settings Select Historical data and then select Start now. This will scan the copiers.
   a. Click on the Activity Log Menu Option
   b. Verify that the following messages are the most recent messages in the Error Log
      i.

4. Click on the "Network Settings" link to update the scan ranges.
   a. The Network scan settings should already be set-up for the same machines that were reporting before.
   b. You should only need to add ranges that should be reporting and are not.
   c. Click the Apply button to secure the changes to the settings.

   c. Should you have any other messages, please send a printScreen of the Error Log for further instructions.

   i.
5. Verify that a Scheduled Task called "Onsite_Watchdog" has been created.

6. Email meterService@perryprotech.com so we can verify that your data was received in the Central Database.
7. Should you have any questions, don't hesitate to reach out via phone or email to me..

Automated Meter Collection Software

Powered by FMAudit

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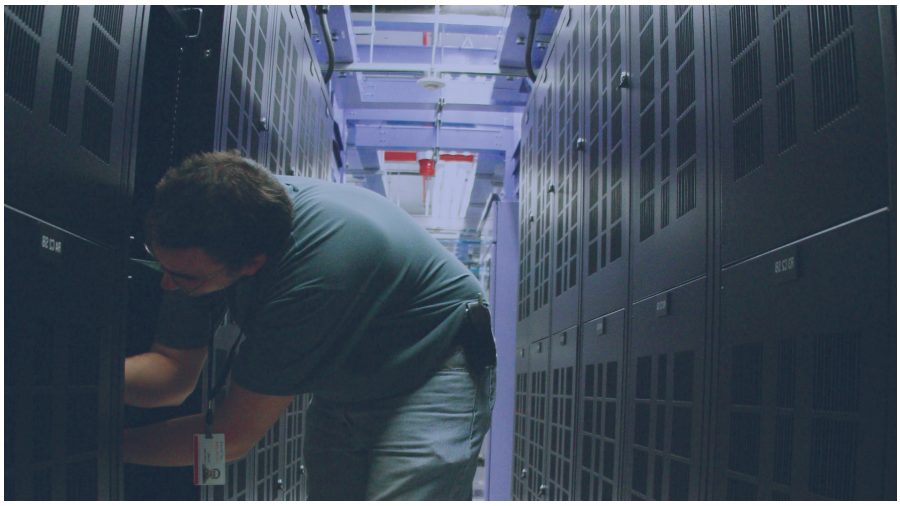

Overview

The Automated Meter Collection Software powered by FMAudit suite of products deliver an “enterprise class” managed print solution that is very easy to use and deploy. It is architected and designed to take advantage of the advanced features and benefits of the Microsoft .NET platform. The result is it no longer takes a skilled technician to install software and then spend time to configure and maintain the system.

Automated Meter Collection Software: A data collection tool that automatically performs print assessments, monitors consumable levels and printer status This application is installed at the customer site and can perform print assessments automatically on a scheduled basis without human intervention. The data captured is sent to the PERRY proTECH using HTTPS or HTTP. A technician with minimal software and networking experience can quickly deploy to a customer site.

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Automated Meter Collection Software

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How It Works

The core engine, which is the heart of every Automated Meter Collection Software, correctly identifies and extracts data from networked printers, copiers and MFPs utilizing the protocols the devices support such the Simple Network Management Protocol (SNMP). SNMP is a network protocol that facilitates the exchange of information between network devices; extracting data from the Management Information Base (MIB) and other locations within the print device. The MIB is basically an internal database that all network connected devices have, that contains information like the model name, toner levels and the current status of the device.

Requirements

Printers, copiers and MFPs must have the SNMP protocol (Port 161) enabled for discovery and extraction of information. The SNMP protocol is a standard part of the Transmission Control Protocol/Internet Protocol (TCP/IP) suite. By default the "public" SNMP community name is used, but may be modified in the FMAudit applications to support custom environment settings.

Manufacturer Support

Automated Meter Collection Software products are manufacturer neutral. They support all of the major manufacturers and model families. Some devices have limitations that prevent extraction of certain information.

Virus Concerns

The Automated Meter Collection Software application files have been digitally signed to prevent execution if the file integrity is compromised. This ensures that any virus is not activated, and prevents spreading the virus from one network to another. For additional assurance, we recommend using antivirus software.

Security Concerns

Automated Meter Collection Software applications only read from networked devices and do not write to devices.

Automated Meter Collection Software Onsite communicates with PERRY proTECH by sending an encoded XML stream over port 80 or 443. Confidential data is not collected, viewed or saved by any Automated Meter Collection Software powered by FMAudit application.

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Automated Meter Collection Software

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Local Printers

The patent pending Automated Meter Collection Software Agent is the only solution of its kind to extract information from one or more local printers attached to any Windows port type, such as USB, parallel, Bluetooth or infrared. The Agent does not interrupt the print job flow, it only activates when called upon by one of Automated Meter Collection Software collection applications and then shuts back down. The Agent then extracts the hardware reported model, serial number, life-time meters, toner coverages, toner levels and service information depending on what the specific device supports.

Unlike other solutions, it is not an application that runs intrusively on an ongoing basis. It does not invasively monitor the spooler to count pages as they are printed. In addition, solutions that interrupt the job to capture data are limited in their use. They only report a cumulative page count (not actual engine page counts) and result in inaccuracies, especially when jobs are cancelled and/or not printed successfully. They are also limited to a single page count and are not able to report serial numbers, toner coverages, toner levels, service alerts and more.

Automated Meter Collection Software Agent may be deployed to the workstations using a solution such as Microsoft SMS. Reconfiguration of antivirus or software firewalls may be required if blocking the SNMP port 161 or the alternative Agent fallback port 33333.

Network Traffic

Audits use an intelligent system that extracts minimal information for each printer, copier or MFP. Unlike similar products that send a fixed set of queries (a superset of all possible queries) to every networked device, the Automated Meter Collection Software only sends the relevant queries according to the fields the target device supports, with each device query being no more than a few kb of data. To further reduce the amount of network bandwidth used, the FMAudit core engine communicates with no more than 20 devices at a single time.

Each IP within the configured ranges will be queried and if no response is received within the configured timeout period it will move onto the next IP address. A rule-of-thumb is that Automated Meter Collection Software will gather information on 65,000 devices in a little more than one hour.

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HIPAA Regulations

HIPAA aims to protect all medical records and other individually identifiable health information used or disclosed by a covered entity in any form, whether electronically, on paper, or orally, are covered by the final rule.

The Automated Meter Collection Software is fully compliant with the HIPAA regulations as Automated Meter Collection Software products does not store, process, monitor or manage any patient records or any records or information that is specific to any one patient or group of patients. The product engines communications are controlled, using limited access to contact a specific IP address and/or ranges. All communications must originate from the FMAudit products, and there is no way to contact and access the products from outside the network. The communication outside of the network uses a proprietary, compressed data stream the is send using industry standard SSL over https.

The Automated Meter Collection Software reports the usage counts (meter readings) and status of print devices on the network. It does not communicate any information about any specific print jobs. While the devices might print out patient records, Automated Meter Collection Software does not and cannot determine anything about the information being printed. It only performs audits, on a scheduled basis, the meter readings of the device, or in the case of a device problem, an alert.

The FMAudit products cannot in any way be configured to perform a task beyond the ones for which it was designed. The transmission of data from the products to outside sources is tightly restricted. The products do not report any other details except for information of the equipment being monitored (i.e. type of equipment). No patient related information ever leaves the network via Automated Meter Collection Software.

Frequently Asked Questions (FAQs)

Do Automated Meter Collection Software products work with Internet proxies?
Yes. Automated Meter Collection Software Viewer and Onsite are local applications and use the Internet Explorer (IE) settings. In Internet Explorer on the Tools menu -> Internet Options -> Connections TAB -> LAN Settings button - > place a check mark in “Bypass proxy server for local addresses” box. The “Secure” settings must also be configured to license FMAudit products, and generate the Dynamic Reports included in Viewer. In Internet Explorer on the Tools menu -> Internet Options -> Connections TAB -> LAN Settings button -> Advanced button -> add the appropriate “Secure” value for “Proxy address to use” and “Port”.

How does the Automated Meter Collection Software Viewer USB key work?
Automated Meter Collection Software Viewer USB is installed and licensed on an approved USB key. When plugged in to a recipient computer, this key will be seen as a removable drive. The Automated Meter Collection Software Viewer software is run directly from this key. No software is transferred to or installed onto the computer.

Automated Meter Collection Software

Powered by FMAudit

TECHNICAL WHITE PAPER

What are the Automated Meter Collection Software minimum requirements?

The Automated Meter Collection Software Products may be run on any modern Windows operating system (in 32 and 64 bit modes) including:

- Windows 2000, XP, Vista, 7, Server 2003, 2008, 2008 R2

Details hardware & software requirements can be found at the following URL

- http://meters.perryprotech.com/

Does Automated Meter Collection Software require Microsoft Internet Information Services (IIS)?

No. Automated Meter Collection Software includes its own server to display the web pages and is set up automatically during the installation.

Can you install Automated Meter Collection Software on a computer which already hosts another IIS website?

Yes. Automated Meter Collection Software uses port 33330 by default, but this may also be configured to use a different port if required.

How much ongoing maintenance does Automated Meter Collection Software require?

Automated Meter Collection Software is a service which runs in the background and performs audits and exports to configured destinations on predefined schedules. Its recommended to use subnets (IP ranges) instead of fixed IPs so that when adding new devices to the network, they will be discovered and included in the audit results, limiting manual intervention.

What versions of SNMP are supported?
FMAudit supports SNMP versions v1 and v2c

Why am I not seeing all of my networked print devices?
Firewalls and other network hardware may prevent or limit the discovery of the network configuration. Networks with multiple physical locations typically have firewalls in between each Local Area Network (LAN) and the public Internet that connects these locations via a Wide Area Network (WAN). The network IP ranges (segments) may be manually added to the Automated Meter Collection Software products, with the minimum requirement that the target devices can be "pinged" from the originating location. Depending on the amount of network traffic and the general network latency, the default timeout may need to be adjusted. Differences in the total number of devices from one audit to another within the same relative timeframe, is a good indicator the timeout setting needs to be increased.

JetDirects & Compatibles
Automated Meter Collection Software core engine supports HP JetDirects and compatible devices. During an SNMP query on the network, the Automated Meter Collection Software core engine communicates with the JetDirect or compatible device and extracts the hardware reported life-time meters, serial number, toner coverage's, toner levels, service alerts and more.

How do I get additional informaiton?
Additional information can be found on our website; http://meters.perryprotech.com

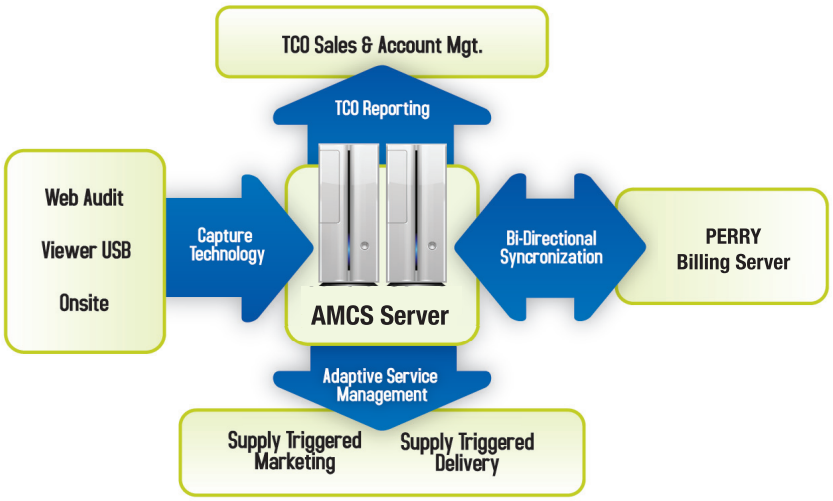
Automated Meter Collection Software

Powered by FMAudit

How It Works

The core engine, which is the heart of every Automated Meter Collection Software powered by FMAudit product, identifies networked printers, copiers and MFP's using the Simple Network Management Protocol (SNMP).

Using patent pending Identity Mapping Technology (IMT), Automated Meter Collection Software powered by FMAudit correctly identifies re-branded models. Once identified, information is extracted using a combination of SNMP and FMAudit's patent pending Hyper-Meter Technology (HMT) that combines a mixture of multiple protocols, communicating and extracting information from a multitude of different areas within a device depending on its architectural design.



Overview

What may seem like magic is the result of years of hard work by veterans of the imaging industry. Keeping in mind that a meter collection system is only as good as the information and accuracy of the information it provides, the Automated Meter Collection Software powered by FMAudit product line is architected and designed to take advantage of the advanced features and benefits of the Microsoft .NET platform. What wasn't possible just a few years ago is delivered by Automated Meter Collection Software powered by FMAudit in a compact and user friendly interface.

The result is it no longer takes a skilled technician to install software and then spend time to configure and maintain the system as with similar products.

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Automated Meter Collection Software

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Requirements

Printers, copiers and MFP's must have the SNMP protocol enabled for discovery and extraction of information. The SNMP protocol is part of the Transmission Control Protocol/Internet Protocol (TCP/IP) protocol suite; therefore a network using the TCP/IP protocol which allows communication over the SNMP port 161 are base requirements. By default the "public" SNMP community name is used, but may be modified in the Automated Meter Collection Software applications to support custom environment settings. The target devices must reply to a "ping". This indicates that communication won't be blocked during an audit.

Virus Concerns

The Automated Meter Collection Software application files have been digitally signed to prevent execution if a virus has infected the file integrity. This method ensures the virus is not activated, and prevents spreading the virus from one network to another.

Network Discovery

The patent pending FMAudit Automatic Network Discovery Settings (ANDS) feature uses a mixture of algorithms to discover and communicate with the different network elements such as the current workstation or server, routers, hubs switches and other network hardware.

Firewalls and other network hardware may prevent or limit the discovery of the network configuration. Networks with multiple physical locations typically have firewalls in between each Local Area Network (LAN) and the public internet that connects these locations via a Wide Area Network (WAN). The network IP ranges (segments) may be manually added to the Automated Meter Collection Software products, with the minimum requirement that the target devices can be "pinged" from the originating location.

Manufacturer Support

Automated Meter Collection Software products are manufacturer engine neutral. They support all of the major manufacturers and model families. Manufacturer architectural design limitations may prevent extraction of all identification and meter values. This typically occurs on older models, prior to the year 2000.

WAN's & Network Traffic

Automated Meter Collection Software applications use default timeout settings of 1000ms. Using unicast settings, each IP within the configured ranges will be queried and if no response is received within 1 second, a timeout will occur. Depending on the amount of network traffic and the general network latency, the default timeout may need to be adjusted. Differences in the total number of devices from one audit to another within the same relative timeframe, is a good indicator the timeout setting needs to be increased.

The audits use an intelligent system that extracts minimal information for each printer, copier or MFP's. Unlike similar products that send a fixed set of queries (a superset of all possible queries) to every networked device, the Automated Meter Collection Software family of products only sends the relevant queries according to the fields the identified device supports, with each device query being no more than a few kb of data. To further reduce the amount of network bandwidth used during a discovery, the Automated Meter Collection Software core engine communicates with no more than 20 devices at a single time, with the capability to extract information from up to 5 devices per second in an optimized environment. The amount of network traffic at any given time is minimal as a result.

Security Concerns

Automated Meter Collection Software Viewer and WebAudit may be launched from a Windows 2000/XP/2003 workstation or server with restricted user permissions to the target network.

Although SNMP commands support both read and write operations, Automated Meter Collection Software applications only read networked devices and do not modify any default or custom device settings.

Automated Meter Collection Software Onsite allows audit information to be sent from the target network to a remote destination as an attachment to an email (default port 25) or an XML stream (default port 80). By default, this information is encrypted, and requires a user and pass combination for authentication.

Only the information which is extracted during an audit may be saved or transferred to the Automated Meter Collection Software applications. The end-users' confidential data files are not viewed or saved by any FMAudit applications.

The Automated Meter Collection Software Viewer pages display the main user interface in a web page fashion.

Automated Meter Collection Software

Powered by FMAudit

Frequently Asked Questions

Do FMAudit products work with internet proxies?

Yes. Automated Meter Collection Software Viewer and Onsite are local applications and use the Internet Explorer (IE) settings. In Internet Explorer on the Tools menu -> Internet Options -> Connections TAB -> LAN Settings button -> place a check mark in “Bypass proxy server for local addresses” box. The “Secure” settings must also be configured to license Automated Meter Collection Software products, and generate the Dynamic Reports included in Viewer. In Internet Explorer on the Tools menu -> Internet Options -> Connections TAB -> LAN Settings button -> Advanced button -> add the appropriate “Secure” value for “Proxy address to use” and “Port”.

What are the FMAudit Onsite minimum requirements?

Automated Meter Collection Software powered by FMAudit Onsite must be run from a computer with Microsoft 2000/XP/2003 operating system. The Microsoft. NET Framework version 1.1 is required for Onsite v1.xx or newer, and version 2.0 for Onsite v2.xx. Microsoft Data Access Components (MDAC) must be installed unless the computer has one of the following pre-installed; Microsoft Access or a version of Microsoft SQL. Refer to the included help documentation for a list detailed requirements.

Does FMAudit Onsite require Microsoft Internet Information Services (IIS)?

No. Automated Meter Collection Software Onsite includes its own server to display the web pages and is set up automatically during the installation.

Can you install FMAudit Onsite on a computer which already hosts another IIS website?

Yes. Automated Meter Collection Softwaret Onsite uses port 33330 by default, but this may also be configured to use a different port if required.

JetDirect’s & Compatibles

FMAudit’s core engine supports HP JetDirects and compatible devices. During an SNMP query on the network, the FMAudit core engine communicates with the JetDirect or compatible device and extracts the hardware reported life-time meters, serial number, toner coverage’s, toner levels, service alerts and more.

Locally Connected Printers

The patent pending Automated Meter Collection Software Agent is the only solution of its kind to extract information from one or multiple local printers attached to any Windows port type, such as USB, parallel, blue tooth or infrared. The Agent service contains a proprietary multitier MIB which accompanies its own SNMP server, thereby creating a bridge over the computer that is otherwise a road-block. During an SNMP query on the network, the Agent service wakes up and communicates direct over the port with the printer. The Agent then extracts the hardware reported life-time meters, serial number, toner coverage’s, toner levels, service alerts and more.

The Agent does not interrupt the job flow. It is a passive service that sits dormant in the background. It is invoked only when called upon by one of Automated Meter Collection Software collection applications; Viewer, Onsite or WebAudit, and then shuts back down. Unlike other solutions, it is not an application that runs intrusively on an ongoing basis. It does not invasively monitor the spooler to count pages as they are printed. In addition, solutions that interrupt the job to capture data are limited in their use. They only report a cumulative page count (not actual engine page counts) and result in inaccuracies, especially when jobs are cancelled and/or not printed successfully. They are also limited to a single page count and are not able to report serial numbers, toner coverage’s, toner levels, service alerts and more.

FMAudit Agent may be deployed to the workstations using a solution such as Microsoft SMS. Reconfiguration of antivirus orsoftware firewalls may be required if blocking the SNMP port 161,and/or the alternative Agent fallback port 33333.

Automated Meter Collection Software

Powered by FMAudit

Frequently Asked Questions

How much ongoing maintenance does FMAudit Onsite require?

Automated Meter Collection Software Onsite is a service which runs in the background and performs audits and exports to configured destinations on predefined schedules. It's recommended to use subnets (IP ranges) instead of fixed IP's so that when adding new devices to the network, they will be discovered and included in the audit results, limiting manual intervention.

Can you access FMAudit Onsite remotely?

Yes. Automated Meter Collection Software powered by FMAudit Onsite may be accessed from another location using the target computer IP and port,i.e. http://192.168.1.20:33330 for internal access, or http://<external_ip_or_url>:33330 for external access.

How does the FMAudit WebAudit process work?

From Automated Meter Collection Software, PERRY proTECH specifies the end-users' (customers) applicable billing cycle. At this time, an email is automatically generated and sent to the appropriate contact informing them it is time to collect their meters. The instructions include a URL, whereby when the enduser clicks the link, it automatically launches their web browser, ready to perform the action. The end-user then clicks 'start' and 'save'. Done. No software is installed at any time.

How does the Meter Validation process work?

From Automated Meter Collection Software, PERRY proTECH specifies the end-users' (customers) applicable billing cycle. At this time, an email is automatically generated and sent to the appropriate contact informing them it is time to "validate" their meters.

The devices are filtered to include only managed (devices under contract) devices with missing meters. After supplying the missing meters, the end-user then "submits" the meters. Optional features allow the end-user to submit service copies, and notes for each device.

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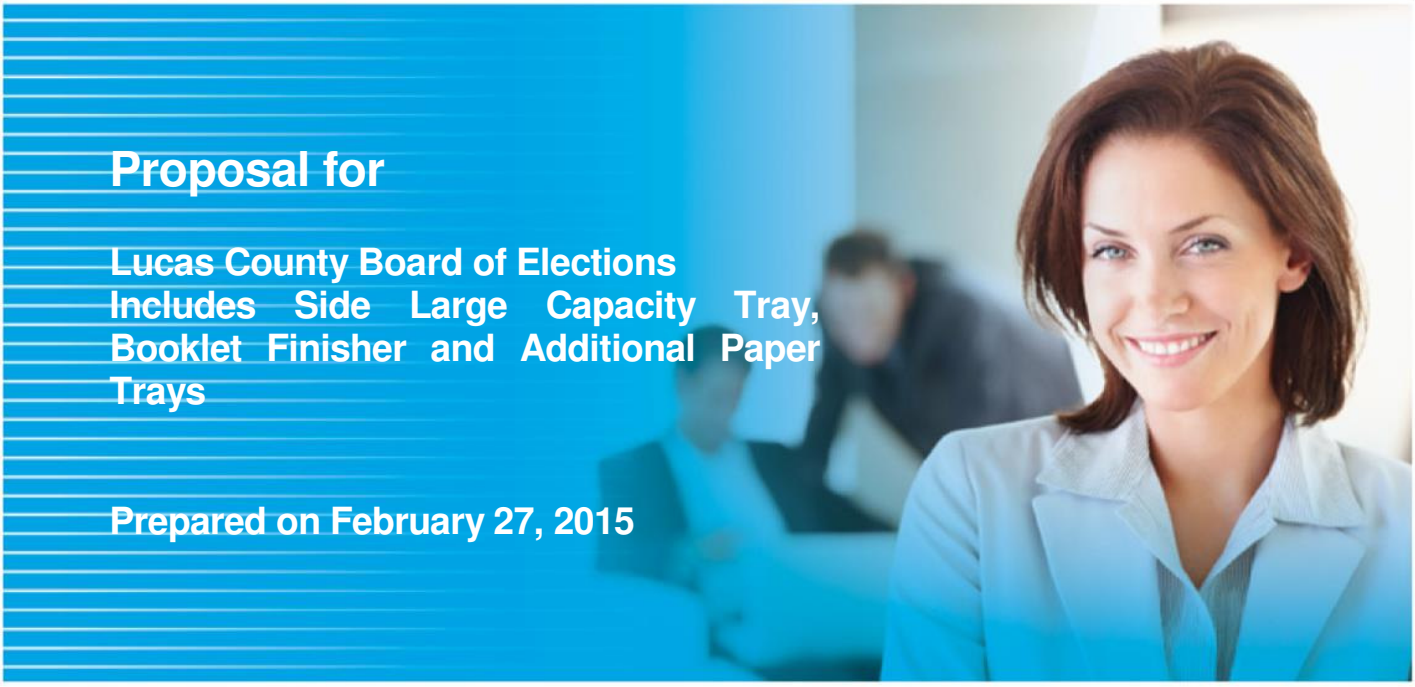


Proposal for

Lucas County Board of Elections Includes Side Large Capacity Tray, Booklet Finisher and Additional Paper Trays

Prepared on February 27, 2015

www.mtbt.com

Proposal prepared for Lucas County Board of Elections
on Friday, February 27, 2015

Equipment Detail

Ricoh Aficio MP C5503 - 55 page per minute color system

Mainframe includes 9" Color Touch Control Panel, 220-Sheet SPDF, Duplex, 2 x 550-Sheet Paper Trays, 100-Sheet Bypass Tray, Drums, Developer, Scan/Print Kit, USB Host Interface, Gigabit Ethernet, DOSS, PDF Direct Print, HDD Encryption, Java VM Card, Scan to/Print From USB/SD Card, 2GB RAM, & 250GB HDD

Accessories:

- PB3160 2 Additional Paper Trays
- RT3030 Side Large Capacity Tray
- SR3150 Booklet Stapling Finisher
- PU 3050 Hole Punch
- Fax Option Type M4
- BU3070 Bridge Unit

Installation & Training

Installation Charges (Includes Installed Accessories)	Included
System Training	Included

Maintenance Terms

Service Agreement	Term	Cost Per Impression
Black & White	Monthly	$0.005
Color	Monthly	$0.04

MT Business Technologies, Inc.'s exclusive Quality Standard Maintenance Program includes all service, all parts and all supplies (except paper and staples) that are needed to make impressions. You never pay extra for toner or developer. You will also receive our exclusive "Performance Guarantee".

Financing Terms

Option	Payment
~~Purchase Price~~	~~$10,856.00~~
~~60 Month FMV Lease Payment~~	~~$217.34~~
60 Month $1 Buyout Lease Payment	$233.08

[Note: items highlighted in yellow are those we're requesting.]

Robert Walden - RE: Demo

From: Scott Stevens <SStevens@mtbt.com>
To: 'Robert Walden' <rwalden@co.lucas.oh.us>
Date: 2/10/2015 8:05 AM
Subject: RE: Demo

Robert,
I noticed you have been provided the specifics on print tracker, but I didn't notice any install instructions and links for when you are ready to install. The information below will allow you to install when you are ready. Let me know if I can assist in any way. I will be at you location at 9am today to help with the demo.

In order to better serve our customers, MT is transitioning all clients to a new Meter Collection software that will automatically collect your print device meters.
We are in the process of rolling out the new solution, PrintTracker, while simultaneously sun-setting the old solution, PrintFleet. We have set a target date of
January 31st, 2015 to have all accounts migrated to PrintTracker, and will be decommissioning and no longer supporting PrintFleet after that date.
The decision to move to PrintTracker was made after extensive testing that showed it to be a better solution for most of our customer's environments. The new solution is designed to provide more up-time and require much less intervention to maintain service; which should translate to more accurate invoices, less time manually reporting meters, and ultimately greater convenience for you.

You are receiving this correspondence because you are still using PrintFleet. To ensure your automated meter collection continues without interruption, we need to migrate you to the new solution as soon as possible. Please forward this email to your IT representative letting them know immediate action is required in order to maintain the service. Please forward this email to your IT representative letting them know immediate action is required. If you do not have an on-site IT resource or they have any questions please call us for assistance.
We will be glad to help at no charge to you.

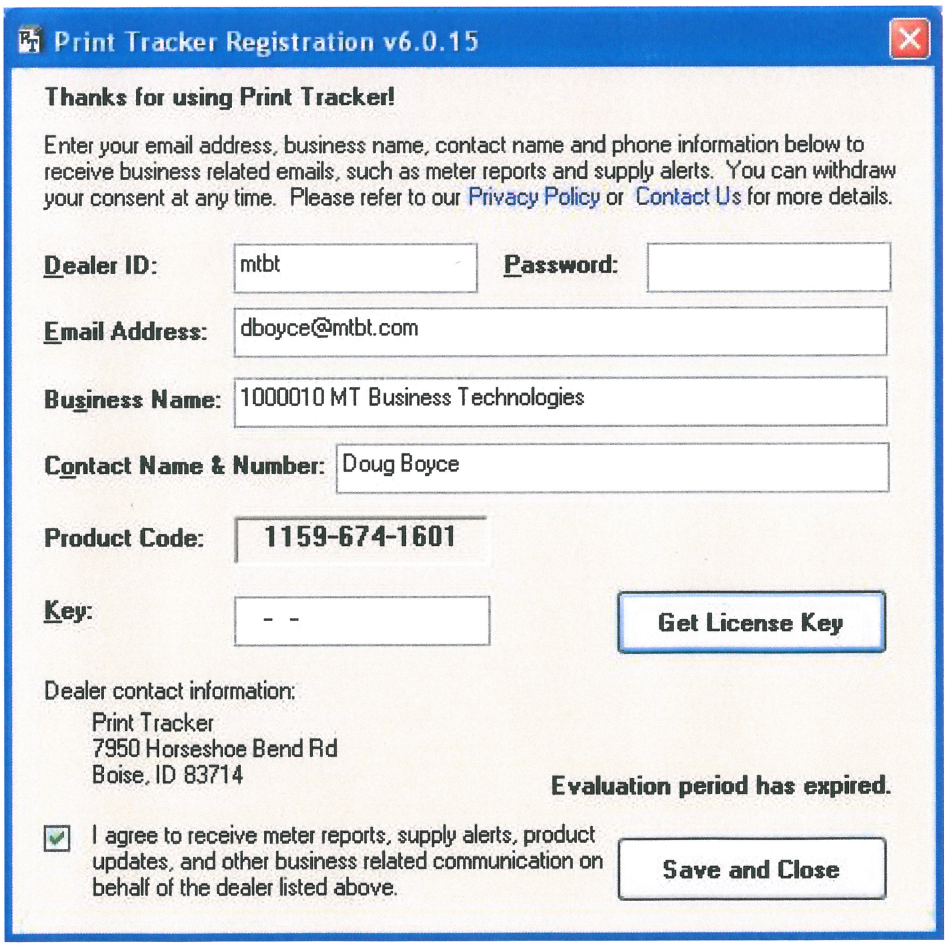
Our Help-Desk contact information;
1-888-975-MTBT (6828)

Scott Stevens Sstevens@mtbt.com
David Vandergrift Dvandergrift@mtbt.com
Craig Waller Cwaller@mtbt.com
Dan Cole Sdcole@mtbt.com
Brian Knip Bknip@mtbt.com
Doug Boyce DBoyce@mtbt.com

1. Go to the link below and run the service,
http://printtracker.net/MTBTPrintTrackerSetup.exe
   a. Proceed through the Wizard
2. Fill out the Registration Form below use the following:

Dealer ID:	mtbt
Password:	8889756828
Email address:	(address/addresses where meter reports will be sent) Keep dboyce@mtbt.com as default, add anyone from your location whom you wish to receive the same report. You can separate email addresses with a comma.
Business Name:	Enter your business Name
Contact Name and Number:	Enter your name and Phone #

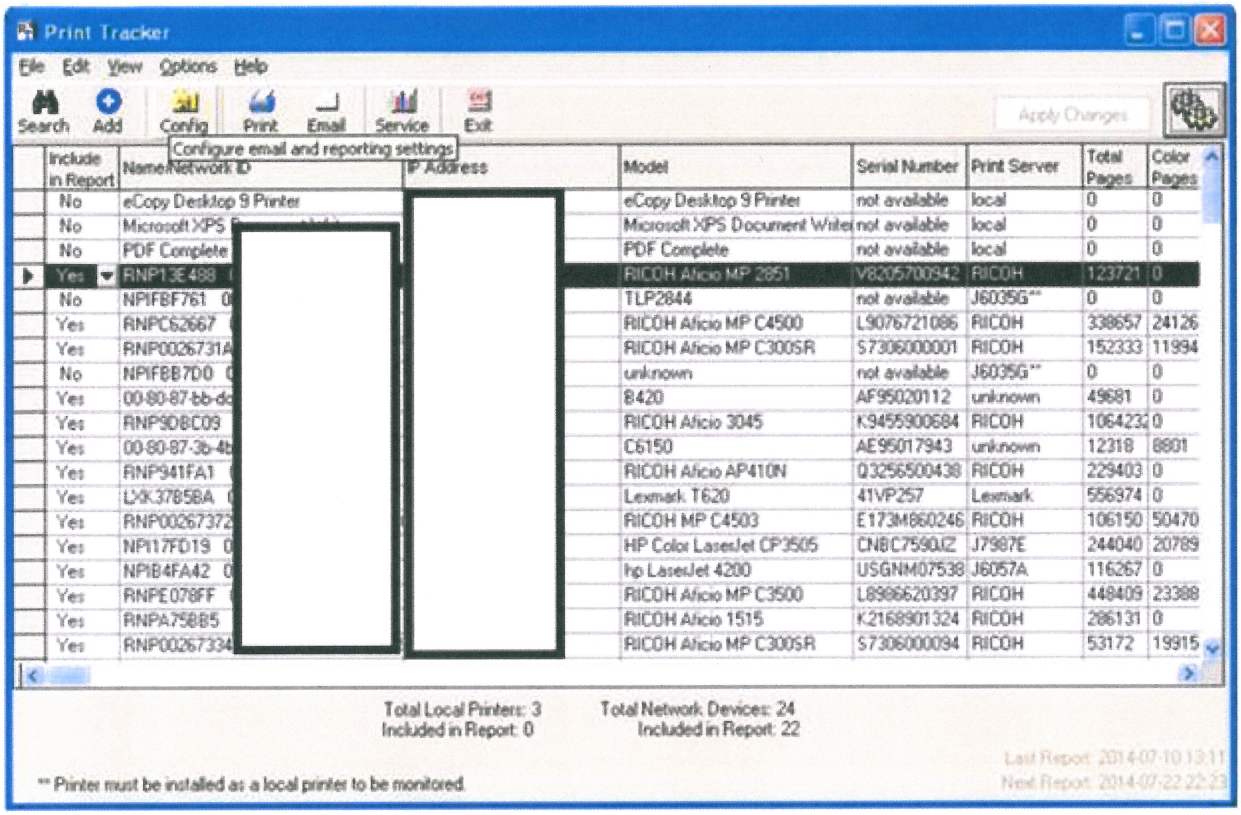
3. Select "Get License Key" a key will populate the "Key" window
4. Select "Save and Close"



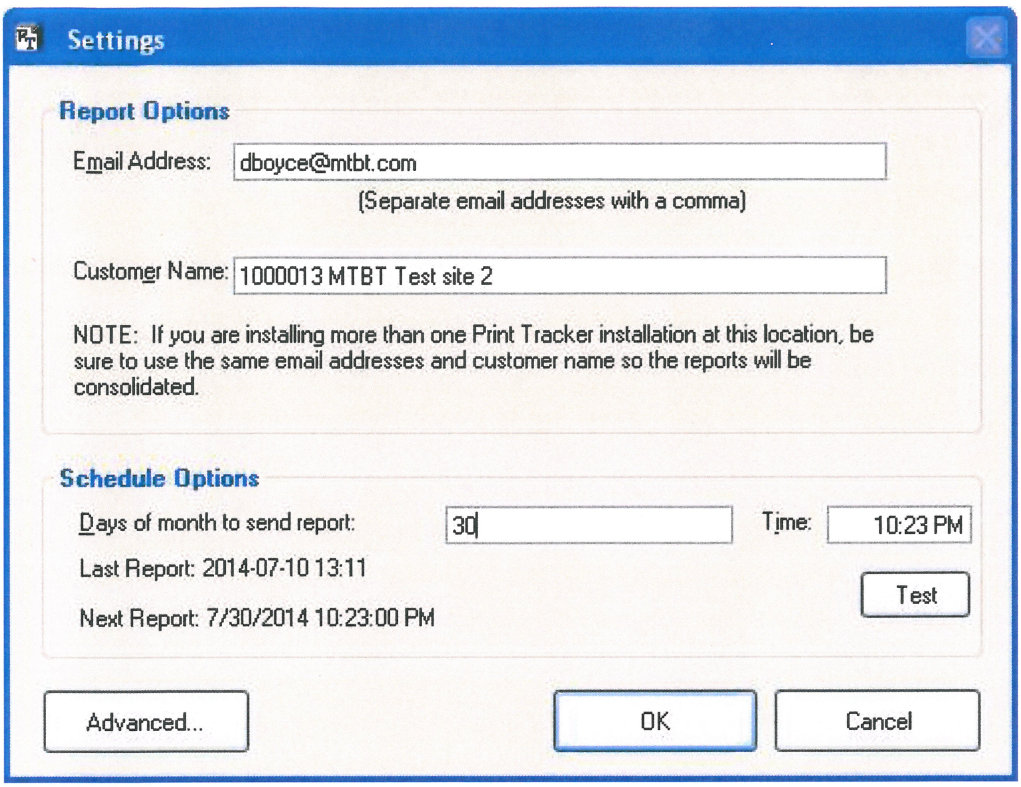
Basic installation is complete!

To "Configure" this installation for timeouts, community strings, proxy servers etc, continue below.

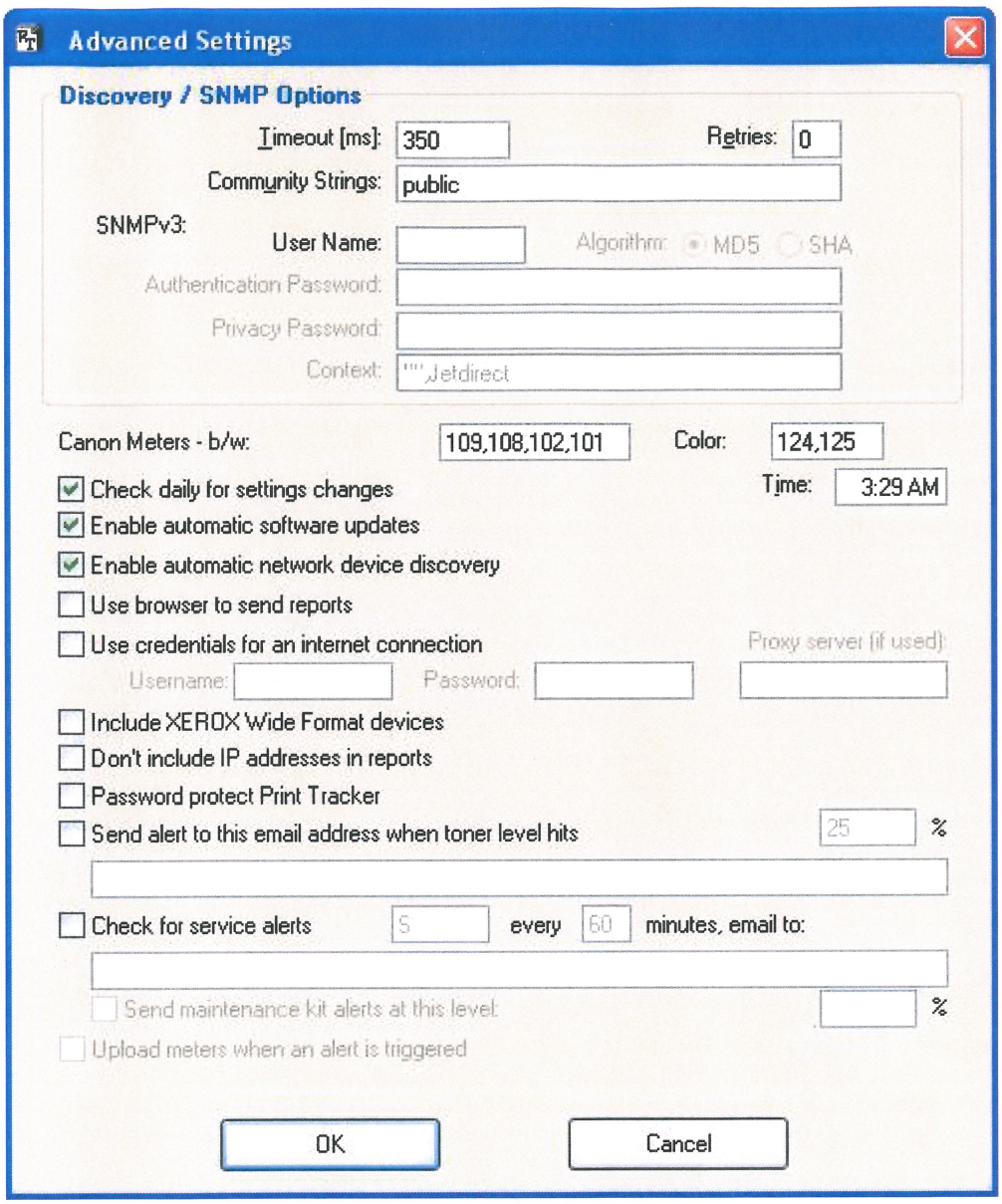
1. On the PrintTracker window, select the "Config" icon on the menu bar



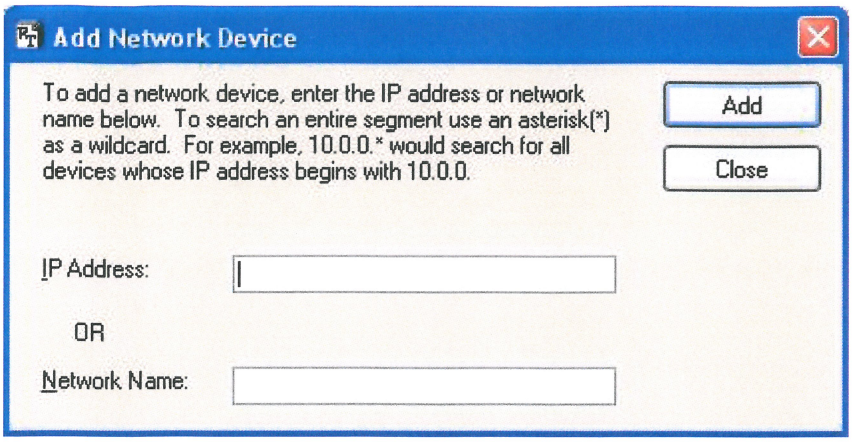
2. Select the "Advanced" button below:



3. Increase the time out to 1,000 ms
   a. Set # of retries to 1
4. Change Community String if other than public
5. Leave check marks as defaulted unless you're going through a Proxy, then check the appropriate box and enter the required information.



To set specific/limit IP addresses or ranges , select the "Add" icon on the menu bar and follow the prompts, select "Add" when complete!



If an exception needs to be made to a corporate firewall, the web server addresses https://secure.tc101.com and https://secure.nexation.com should be used.

Scott Stevens Systems Engineer
MT Business Technologies, Inc.
800-686-1427 | 419-865-7001 x 5029
Cell 419-304-8836
1205 Corporate Drive, Holland, Ohio 43528 | www.mtbt.com

From: Robert Walden [mailto:rwalden@co.lucas.oh.us]
Sent: Monday, February 09, 2015 10:06 AM
To: Shawn Brown
Cc: Travis Moody; Doug Boyce; Scott Stevens; Tami Keleher
Subject: RE: Demo

Thanks Shawn! We'll need to move fast so that LCIS has an opportunity to review the software and implications of opening a port, and then make the necessary changes to the network in time to test the auditing software this week.

- Robert

>>> Shawn Brown <SBrown@mtbt.com> 2/9/2015 10:02 AM >>>
Hi Robert-

I sent this to our technical division. Someone should reach out to you soon with the information you will need.

Thanks!

From: Shawn Brown <SBrown@mtbt.com>
To: 'Robert Walden' <RWalden@co.lucas.oh.us>
Date: 1/29/2015 9:13 AM
Subject: FW: Info on print fleet and @remote
Attachments: PrintTracker Specifications 9_2014.docx

Good morning, again-

Attached is an email from our Corporate Automated Services Manager. Our primary agent is a push service!

Attached is a document with more detail. Please let me know if you need anything else or would like me to set up a conference call with Doug, Jason and you.

Thanks,

Shawn Brown Major Account Manager
MT Business Technologies, Inc.
888-975-6828 | 419-865-7001 x 5013 | cell: 419-343-5884
1205 Corporate Drive, Holland, Ohio 43528 | www.mtbt.com<http://www.mtbt.com>

From: Doug Boyce
Sent: Thursday, January 29, 2015 9:11 AM
To: Shawn Brown
Subject: RE: Info on print fleet and @remote

Shawn,
PrintTracker is a push service, attached is a document which explains how it works and some specifications.

Doug Boyce Corporate Automated Services Manager
MT Business Technologies, Inc.
888-975-6828 | 419-529-6100 x 7156 | cell: 419-564-4729
1150 National Pkwy., Mansfield OH, 44906 | www.mtbt.com<http://www.mtbt.com/>

From: Shawn Brown
Sent: Thursday, January 29, 2015 9:06 AM
To: Doug Boyce
Subject: Info on print fleet and @remote

I have a customer who wants to know if any of our data collection agents use push technology instead of pull.

If so, could you please provide me with info to share?

Thanks!

Shawn Brown Major Account Manager
888-975-6828 | 419-865-7001 x 5013 | cell: 419-343-5884
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PrintTracker Specifications
9-2014

Print Tracker is a non-invasive software solution for gathering meter reads from copiers, MFPs and printers. Meter data is passed securely through firewalls using HTTPS protocols, similar to how web browsers communicate with banking websites. Print Tracker is proxy-compatible and does not create security vulnerabilities. The software is used around the world in banks, hospitals, schools – any place with high security

Hardware Specs:

- Windows XP, Windows 2003 Server, Windows Vista, Windows 2008 server, Windows 7 or 8, or Windows 2012 (does not have to be installed on a server)
- Requires 50MB hard drive space
- Uses about 10MB virtual memory

How PrintTracker works

Devices that respond to SNMP requests are discovered, the gathered data is stored in a local database table. When it is time to send the data in a report, the data is sent to the web server using the HTTPS protocol. All of the data is encrypted before it is sent. HTTPS is a secure protocol. Uploaded meter data is then pulled down from the web server in a separate process, put into an Excel spreadsheet, and emailed out to the email addresses entered in Print Tracker.

Print Tracker sleeps most of the time, but wakes up two or three times a day to pull meters. For a typical network segment, Print Tracker will send or receive about 80 KB of data when it pulls the meters. Twice a week Print Tracker may perform a search of the network (configurable) to see if new devices have been added. During these searches Print Tracker will send or receive around 150 KB of data per network segment.

Print Tracker can be configured to use credentials when communicating via the internet. This is done through Advanced settings to “Use credentials for an internet connection” option. Be sure to enter the proxy server information, if it applies. If an exception needs to be made to a corporate firewall, the web server addresses secure.tc101.com and secure.nexation.com should be used.

Security

Thank you for your interest in Print Tracker managed print services software. We think that you will be pleased with the measures we take to keep your information safe and secure.

Print Tracker is a non-invasive software solution for gathering meter reads from copiers and printers. Print Tracker has a very small impact on network performance. It runs as a service that is usually asleep, waking up a few times during the day to perform required tasks. Print Tracker does not rely on the email system of end-users to send meter data. Print Tracker posts the data securely to a web server, where it is compiled and conveyed via Print Tracker email. It does not create security vulnerabilities.

Print Tracker does not rely on the .NET framework. There is no conflict on workstations running .NET framework. Systems and networks are not 'tied up' when Print Tracker is operating. Print Tracker does not compromise data security.

Print Tracker software can be run from an end user's workstation, or for better results, can be installed to automatically transmit information on a programmed schedule. Print Tracker is designed to discover network-connected and locally-attached print devices (MFPs, copiers and printers, etc.) in the environment in which it is run or installed.

Print Tracker provides remote meter reading, supply usage, and reports malfunction error codes. Collected imaging device information is intended for internal use and can be used to determine device use patterns and service and supply needs. Recommended cost saving measures can be uncovered with Cost per page analysis and other discovered information.

Print Tracker cannot and does not collect document content or user information.

Security –

Print Tracker communicates with the web server. The meter data is encrypted and passes securely through firewalls using the HTTPS protocol, similarly to how your browser communicates with banking websites. HTTPS is a secure protocol. All of the data is encrypted before it is sent. Print Tracker cannot receive incoming transmission from any source. It is very secure.

Print Tracker queries the devices using SNMP over port 161 at the location where it is run or installed, and then uses the SSL port, port 443, to send the encrypted data to the secure web server. The web server domains that Print Tracker uses are secure.tc101.com and secure.nexation.com.

Print Tracker is proxy-compatible and does not create security vulnerabilities. It is used in banks, hospitals, schools – any place with high security needs.