How security conscious organizations can address Printer Asset Management



Netaphor

Software

Are printers part of your estate or IT portfolio?

If you answered "yes" to the above question, then the next logical series of questions are "How do you manage them?" and "Are these assets managed according to your IT Asset Management standards and objectives?".

Many organizations are looking to streamline support of printers through helpdesk integration (ie. Remedy, ServiceNow, etc.) and better integration/configuration management. These same organizations look to extract cost from printers and output devices through governance and better management of vendors. One example is a simple verification of vendor invoices using device utilization reporting, a core ITAM practice. Other organizations are extracting cost by improving end-user habits through the development and use of a Print Policy, coupled with the standardization of hardware and print drivers.

While some organizations choose to insource a management program for printers or multifunction devices, others choose to outsource to a printer manufacturer, dealer or supplies vendor. No matter what your preference is, the following are vital areas to consider:

- Data Security
- Governance & Vendor Management
- Central Asset Repository
- Asset Tracking, Alerting & Reporting

In this document, we will discuss both the challenges and best practices in these four important areas.

Data Security

The use of SNMP-based data collection tools has become fairly standard today for monitoring printers. This technology has enabled asset discovery, data collection, incident management, reporting and other valuable services. However, there are two specific challenges associated with these tools. First, many of these tools are developed by printer manufacturers and are thus not truly manufacturer agnostic. They can be somewhat effective if your printer inventory is homogeneous, however, reality has it that most printer or multifunction device fleets are composed of several different brands. Thus, simply put, an effective tool needs to work with all brands of printers.

The second and even greater challenge has to do with security. There are a few data collection tools available that are indeed manufacturer agnostic, however, they are typically deployed as part of a hosted architecture. **The challenge that comes in to play is <u>who has access to the data</u>?** These tools are used by printer manufacturers, dealers or supply vendors. In this model, the tool is offered at no-charge to an organization and the data is readily accessible to the vendor. This brings about concerns of data security, in addition to negotiation leverage as the vendor has access to vital data points that can impact end pricing provided to the organization. These include page volumes, coverage levels, key departmental workflows and print asset data.

A recommended alternative would be an on-premise deployment, whereby all data is contained *within* the organization and *behind* the firewall. This ensures data security, allowing organizations to share with vendors *only* what data they *choose* to share (ex. provide meter data and break/fix or supply notifications to vendors without disclosing sensitive asset identification data, such as IP address). An on-premise deployment model can also provide the key, necessary data to help an organization develop a RFP or bid solicitation. Other security considerations include protocols such as SNMPv3, TLS 1.2 and discovery by IP or DNS. The below diagram illustrates the on-premise architecture. Note the inclusion of locally connected printers in addition to scanners and large format devices utilizing SNMP and Windows Management Instrumentation.



Governance & Vendor Management

The discussion on data security naturally leads us to the topic of governance. The maturity and permanency of any organization's IT Asset Management program is highly dependent upon how well it is governed and managed. Naturally, governance is of critical importance when it comes to managing printer costs. Costs are essentially driven from two main sources: Vendors and End-users

Vendors

An effective governance and vendor management program should allow you to answer this question: **Do our printer or supply vendors provide us with exactly what they invoice for?** As a means of evaluation, here are a sub-set of questions to drill down further on this topic:

- Does my current governance model provide the data points to easily validate vendor invoices for accuracy? *Ex. compare cost-per-page billing to actual color & monochrome pages printed during a set time period*
- Do we have a means to monitor and report on printer fleet health including contract SLAs or KPI targets? *Ex. Service Level Management: Report on uptime, service response time (see report example below), or consumable supply delivery. Generate a notification if devices falls below uptime target.*
- Are we able to validate or substantiate vendor recommendations for new devices? Am I able to easily perform device utilization analysis or capacity planning by location, building, department or floor?

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👻 Medium Company	Printer Name	IP Address	Serial #	Connection	Manufacturer	Model	Output	Agreement Name	Uptime	Downtime	In-Time Incidents Ou	it-Time Incide
Administration 100	ET0021B72AA76D	10.0.3.4	946CHFK	Networked	Lexmark	Lexmark C544	Color	General SLA	99.985 %	0.20	2	2
Albertville	XC560-678BQI	10.0.29.8	BUY Canon	Networked	Xerox	Xerox DocuColo	Color	General SLA	38.905 %	810.32	31	31
- Amsterdam	Chatt_Cage	10.0.1.9	DRL57475	Networked	Canon	iR 1025	B/W	General SLA	100.000 %	0.00	0	0
→ Bulldog Bar	iR.5050	10.0.33.10	DZA11197	Networked	Canon	iR 50 50	B/W	General SLA	86.414 %	180.20	38	44
Floor 1	NPI1CB5DF	10.0.37.10	CNGS365800	Networked	Hewlett-Packard	HP Color LaserJ	Color	General SLA	99.940 %	0.80	5	7
Schiphol	ET000400E13285	10.0.106.12	79328ZZ	Networked	Lexmark	Lexmark T644	B/W	General SLA	100.000 %	0.00	0	0
Atianta East	ET000400E119E9	10.0.106.13	79328XB	Networked	Lexmark	Lexmark T644	B/W	General SLA	100.000 %	0.00	0	0
Atlanta West	CHA-Prod-CNC5	10.0.1.15	GNW55483	Networked	Canon	iR-ADV C5035	Color	General SLA	99.702 %	3.95	3	3
✓ Benin Eropkfurt	iR3245	10.0.1.16	DHK18586	Networked	Canon	iR3245	B/W	General SLA	100.000 %	0.00	0	0
Pirmingham	NPI123093	10.0.33.16	CNHC79S1ZB	Networked	Hewlett-Packard	HP Color Laser J	Color	General SLA	98.988 %	13.42	5	15
- Boston	CHA-QC-RCC43	10.0.1.17	\$9319600850	Networked	Ricoh	Aficio SP C430DN	Color	General SLA	98.203 %	23.83	3	4
Waltham	iR3245	10.0.106.19	DHK02574	Networked	Canon	iR3245	B/W	General SLA	99.463 %	7.12	13	16
Watertown	ET000400E18E39	10.0.45.21	793291N	Networked	Lexmark	Lexmark T644	B/W	General SLA	100.000 %	0.00	0	0
Brunswick	NPIBD7139	10.0.3.22	VNB3L87508	Networked	Hewlett-Packard	HP LaserJet Pro	B/W	General SLA	100.000 %	0.00	0	0
Corporate Warehouse	ET0021B7F09359	10.0.1.24	793NLOL	Networked	Lexmark	Lexmark X656de	B/W	General SLA	100.000 %	0.00	0	0
Dallas	BR_SALES_HPC	10.0.106.25	CNBCD8J0KM	Networked	Hewlett-Packard	HP LaserJet 500	Color	General SLA	99.844 %	2.07	17	32
- Denver	HPFA2A88	10.0.36.22	MY78E65069	Networked	Hewlett-Packard	Officejet Pro L7	Color	General SLA	100.000 %	0.00	0	0
Evergreen	BR_S&L_CANON	10.0.206.28	DHK02586	Networked	Canon	iR3245	B/W	General SLA	99.098 %	11.97	47	58
Mouton	NPIE2FA05	10.0.1.34	USGNX59014	Networked	Hewlett-Packard	hp Laser Jet 4200	B/W	General SLA	100.000 %	0.00	0	0
Detroit	LAF-EC-C532	10.0.33.34	9438ZDH	Networked	Lexmark	Lexmark C532	Color	General SLA	100.000 %	0.00	0	2
Glasglow	iR3245	10.0.106.34	DHK02581	Networked	Canon	iR3245	B/W	General SLA	99.972 %	0.37	6	6
Lafayette	SaleAug3525	10.0.3.35	CNCCB2Q0W3	Networked	Hewlett-Packard	HP Color LaserJ	Color	General SLA	99.942 %	0.77	3	4
Las Vegas	SPA-ADMINFO	10.0.29.35	JPGMD55808	Networked	Hewlett-Packard	hp color LaserJe	Color	General SLA	100.000 %	0.00	0	0
London	CHA-UPWLBT64	10.0.246.37	793290L	Networked	Lexmark	Lexmark T644	B/W	General SLA	99.525 %	6.30	1	1
Los Angeles	NPI6FD9A4	10.0.31.41	CNDG304329	Networked	Hewlett-Packard	HP LaserJet 400	Color	General SLA	99.975 %	0.33	1	1
Madrid	iR-ADV C5051	10.0.39.41	GQM53674	Networked	Canon	iR-ADV C5051	Color	General SLA	92.039 %	105.58	1	8
Manchester	HB_OFFICE_CL	10.0.35.45	CNYCH67426	Networked	Hewlett-Packard	HP Color LaserJ	Color	General SLA	99.696 %	4.03	6	10
Memohis	Way-Admin-CN	10.0.27.50	GNG57702	Networked	Canon	iR-ADV C5030	Color	General SLA	100.000 %	0.00	0	3
Miami	NPIE5F52E	10.0.3.62	CNGHB13008	Networked	Hewlett-Packard	hp color LaserJe	Color	General SLA	100.000 %	0.00	0	0
Milledgeville	iR3245	10.0.206.63	DHK02564	Networked	Canon	iR3245	B/W	General SLA	98.435 %	20.75	28	74
 Minneapolis 	LAF-BIZHUB	10.0.33.67	A0ED013002153	Networked	Konica Minolta	KONICA MINOL	Color	General SLA	75.163 %	329.40	56	70
Hudson	BTR-SALES2-HP	10.0.106.49	CNGSC06662	Networked	Hewlett-Packard	HP Color LaserJ	Color	General SLA	99.903 %	1.28	1	1
 Maple Grove 	ET000400A9C7C0	10.0.206.68	0250569	Networked	Lexmark	Lexmark C935	Color	General SLA	100.000 %	0.00	0	5
Brooklyn Park	NPI172700	10.0.42.70	CNB 1H04890	Networked	Hewlett-Packard	HP LaserJet 200	Color	General SLA	100.000 %	0.00	0	0
St. Paul	NPI7EAFDF	10.0.31.78	CNB997201Z	Networked	Hewlett-Packard	HP Color LaserJ	Color	General SLA	99.820 %	2.38	7	13
Paris	LKGATEHOUSE	10.0.31.79	CNGSB56936	Networked	Hewlett-Packard	HP Color Laser J	Color	General SLA	100.000 %	0.00	0	0
Portland	Count: 331											
Medium Company	✓ [Retired Status] = 'In-service'										Edit Filter

Reporting on specific printer problems including alerts and notifications is an important aspect of printer asset management (see data points and reporting examples below)

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Administration 100		10.0.106.87	Lexmark C532	9419CCV	0	37	4,540.50	4,540.50		Unreachable	Single function	
Albertville	⊞ LAF-EC-C532	10.0.33.34	Lexmark C532	9438ZDH	10,975	58	4,540.50	1,697.81	0.002	Warning	Single function	
- Amsterdam	☑ NPI3F336D	10.0.1.123	hp Laser Jet 4200	USGNP58662	1,556	65	4,540.20	0.17	0.001	Warning	Single function	
→ Bulldog Bar	⊞ LM-MCC	10.0.37.190	Lexmark X466de	35P3DFG	490	8	4,497.87	1,290.73	0.006	Warning	Multi function	
Floor 1	Sav-SD-LexCX510 Sav-SD-LexCX510	10.0.19.211	Lexmark CX510de	752746945	13,935	249	4,343.88	3,760.64	0.007	Warning	Multi function	
Schiphol		10.0.19.229	Lexmark X264dn	350211L	4,550	10	3,654.53	1,911.88	0.000	Warning	Multi function	
Atlanta East	⊞ BHM-ER-LXC534	10.0.109.118	Lexmark C534	941CGMY	3,501	52	3,575.83	2,547.22	0.005	Warning	Single function	
Atlanta West		10.0.207.128	Lexmark C532	942D907	7,601	55	3,573.12	3,196.61	0.005	Ready	Single function	
+ Berlin	⊞ GLLCSL2	10.0.31.192	Lexmark T644	7924HCF	4	13	3,458.04	3,458.04	0.750	Unreachable	Single function	
Prankturt		10.0.3.233	Lexmark X466de	35P213V	14,531	55	3,241.26	1,105.09	0.002	Warning	Multi function	
Birmingriam		10.0.10.140	Lexmark T644	791YK62	157,165	799	3,170.13	1,893.64	0.001	Warning	Single function	
Waltham	BHM-Mkt-LexC522	10.0.109.122	Lexmark C522	9413K7K	1,968	89	2,829.40	3,156.28	0.020	Warning	Single function	
Watertown	⊞ BHM-HR-LJ4240-1	10.0.109.133	hp Laser Jet 4240	JPGGL 19958	20,735	771	2,665.12	45.16	0.001	Warning	Single function	
Brunswick		10.0.15.200	HP Color LaserJe	CNWHH00	7,127	650	2,659.29	92.18	0.008	Warning	Single function	
Corporate Warehouse		10.0.11.101	hp Laser Jet 9050	JPRC99G01T	53,577	1,107	2,648.30	46.61	0.002	Warning	Single function	
Dallas	BHM-RtStl-LJ3505	10.0.109.116	HP Color LaserJe	CNBC86Q2CK	10,614	1,804	2,588.42	934.11	0.044	Error	Single function	
- Denver	⊞ BHM-CF-HP360	10.0.109.115	HP Color LaserJe	CNWHH12	6,554	910	2,579.10	151.05	0.010	Ready	Single function	
Evergreen	MC_OFFICE_H MC_OFFICE_H	10.0.37.110	HP Color LaserJe	CNYCH71342	12,906	676	2,569.28	18.24	0.007	Ready	Single function	
Mouton		10.0.10.27	Lexmark T644	792Z9KK	22,791	285	2,524.60	3,419.67	0.004	Unreachable	Single function	
Detroit	ET000400FEC3ED	10.0.206.123	Lexmark C532	941CVZK	2,142	53	2,487.95	1,480.48	0.015	Ready	Single function	
Glasglow	⊞ KMBT643D62	10.0.3.103	KONICA MINOLT	A0P00110	91,375	3,528	2,413.42	930.71	0.003	Warning	Multi function	
Lafayette	⊞ GLLFSL2	10.0.33.192	Lexmark T644	7924HGZ	9,129	109	2,372.43	1,885.35	0.002	Warning	Single function	
Las Vegas	⊞ CHA-QC-RCC4	10.0.1.17	Aficio SP C430DN	\$9319600850	19,510	125	2,283.84	487.00	0.001	Ready	Single function	
London		10.0.3.84	Xerox DocuColor		20,616	2,377	2,277.39	3,960.15	0.020	Ready		
Los Angeles	Way-WH-LexX466	10.0.27.236	Lexmark X466de	35P1V3W	2,963	54	2,261.34	1,198.14	0.016	Ready	Multi function	
Madrid		10.0.25.210	Lexmark T644	7924HGW	24,385	126	2,236.85	93.12	0.001	Ready	Single function	
Manchester		10.0.3.35	HP Color LaserJe	CNCCB2Q0	4,519	692	2,187.11	155.57	0.016	Ready	Single function	
McCloud		10.0.3.128	hp color Laser Jet	JPFK002448	9,439	1,462	2,111.63	537.39	0.028	Warning	Single function	
Memphis	⊞ HP_3600_WES	10.0.17.131	HP Color Laser Je	CNWHH23	14,200	859	2,101.38	60.50	0.003	Ready	Single function	
Milani	Sav-SL-LXB466-4	10.0.19.208	Lexmark X466de	35P9F3R	10,496	19	1,995.88	1,195.00	0.001	Warning	Multi function	
- Minneapolic		10.0.39.191	Lexmark T644	791L351	72,897	451	1,977.47	2,904.25	0.003	Ready	Single function	
Hudson	H GLLFSL1	10.0.33.191	Lexmark T644	7924HGV	107,449	281	1,921.67	532.29	0.000	Ready	Single function	
 Maple Grove 	⊞ BHM-IT-LexX466	10.0.109.80	Lexmark X466de	35P215V	950	40	1,910.77	1,910.77	0.016	Unreachable	Multi function	
Brooklyn Park		10.0.3.225	Lexmark T644	792BDBF	47,350	337	1,896.64	1,377.97	0.001	Warning	Single function	
St. Paul	BHM-BG-X656de-1	10.0.109.142	Lexmark X656de	793NL30	31,452	73	1,828.85	1,538.16	0.001	Warning	Multi function	
Paris		10.0.29.216	Lexmark T644	7924HH5	28,403	95	1,808.35	2,211.20	0.000	Unreachable	Single function	
Portland	Count: 153		all and the task tool in the					Hours: 110,8				
Medium Company 🗸	✓ [Retired Status] =	- 'In-service' An	d [Service Fix Time] I	s Not Null 🔻								Edit Filter



End-Users & Group Printer Policy

An effective governance program usually includes the development and adherence to a Group Printer Policy. A Group Printer Policy can bring full alignment with IT security, policies and infrastructure. However, **a good Printer Policy is only effective if it is adhered to by end-users.** Access to the key data points below are vital when it comes to managing Printer Policy adherence across the end-user population:

- Job Log Analysis: What type of documents are being printed? E-mail? Personal items or secure data? In the example below, a quick view is filtered by number of pages printed per job, showing the user (log-on name to workstation), print queue the job was sent to, the name of the document and date/time the document was printed. This allows for quick analysis of user habits.
- Asset Utilization: Validate new device requests by quickly analyzing historical usage by location, building, department, floor or user and compare with neighboring devices. Determine actual device type requirements including color vs. monochrome. Plan reutilization and redeployment of printer assets with visibility to device age and lifetime counters. Standardize printer fleets, minimizing the number of models, print drivers and supply items required

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• Group Print Policy Targets: Access user and device data points such as duplex printing ratio, local/personal printer usage, volumes by user/department and color usage ratio vs. targets

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Job Analysis	Drag a column heade	r here to group l	by that column												
→ Medium Company	Printer Name	IP Address	Serial #	Department	Host Name	Document	Pages Printed Time	Queue	Output	User	1				
Administration 100	BR PRODOFFICE	10.0.106.221	CNBCD4C2BW	Medium Co	BRSERV	Manuale training ING rev.01.pdf	108 8/6/2013	BRPRODU	Color	CENTRALNT\d	-				
Albertville	iR3245	10.0.206.63	DHK02564	Medium Co	BRSERV	OperatorPump-upPerformance.xlsm	104 4/25/201	BR_LAB	B/W	CENTRALNT B					
🚽 Amsterdam	iR C4080	10.0.106.97	TQH05043	Medium Co	BRSERV	http://www.bigjoesupport.com/parts/CAT/DA.pdf	104 6/7/2013	Canon iR	Color	CENTRALNT E					
→ Bulldog Bar	iR C5185	10.0.106.101	MER07612	Medium Co	BRSERV	Formula for Change Toolkit - KO Vision2020 01182012.pdf	100 4/19/201	HR Copier	Color	CENTRALNT B					
Floor 1	iR C4080	10.0.106.97	TOH05043	Medium Co	BRSERV	https://evalue.internationaldelivers.com/service/SVCDOCS/Navistar/s	69 5/17/201	Canon iR	Color	CENTRALNT E					
Schiphol	iR C4080	10.0.106.97	TOH05043	Medium Co	BRSERV	S082853z.pdf	69 5/17/201	Canon iR	Color	CENTRALNT\R	5				
Atlanta East	BR PRODOFFICE	10.0.106.221	CNBCD4C2BW	Medium Co	BRSERV	2009 Safety Topics in 7 Minutes (or less).pdf	65 6/18/201	BRPRODU	Color	CENTRALNT\a					
Atlanta West	BRMATI ROOMTRC	10.0.106.99	TOH05070	Medium Co	BRSERV	121 GILLISS 1040 AND 540.pdf	52 6/21/201	Canon iR	Color	CENTRALNT\S					
👻 Berlin		10.0.106.221	CNBCD4C2BW	Medium Co	BRSERV	Microsoft PowerPoint - 2013 Employee policy changes [Read-Only]	48 4/2/2013	BRPRODUL	Color	CENTRAL NT\a					
Frankfurt		10.0.106.221	CNBCD4C2BW	Medium Co	RDSEDV	Full page fax print	42 4/1/2013	BRPRODU	Color	CENTRAL NT/M					
Birmingham	BR SNL CANON	10.0.206.221	DHK02586	Medium Co	RDCEDV	br product law 04162012 vlav	41 4/16/201	BRG RODOLL I	E AM	CENTRAL NT/K	2				
→ Boston	ID CE195	10.0.200.20	MEP07612	Medium Co	BDSEDV	Microsoft PowerPoint - Drug and Value Conference Call 6 4 13 [Pead	40 6/6/2013	HP Conier	Color	CENTRALINT (C					
Waltham	RDMATL DOOMTDC	10.0.106.101	TOH05070	Medium Co	BDSEDV	Microsoft PowerPoint - Drug and Value Conference Call 6 4 15 [Redu	30 5/0/2013	Canon iP	Color	CENTRALINI (I					
Watertown	iD C4090	10.0.106.99	TQH05070	Medium Co	PROCEDV	Work Order Priof	20 0/12/201	Canon iD	Color	CENTRALINT MILL	4				
Brunswick	IR C4080	10.0.106.97	TQHU5045	Medium Co	DROERV	Work Order Brief	39 9/13/201	UD Coning	Color	CENTRALINT (C	-				
Corporate Warehouse	IR C5165	10.0.106.101	MERU7612	Medium Co	DROERV	Microsoft PowerPoint - 2013FinalOnentation	59 9/5/2015	HR Copier	Color	CENTRALINT (D					
Dallas	IR C5185	10.0.106.101	MERU7612	Medium Co	BRSERV	Microsoft PowerPoint - 2013FinalOrientation	39 9/5/2013	HR Copier	Color	CENTRALINI (B					
+ Denver	BRMAILROOMIRC	10.0.106.99	TQH05070	Medium Co	BRSERV	Microsoft PowerPoint - Sales Rally 2013.pptx	38 5///2013	Canon IR I	Color	CENTRALNI (S					
Evergreen	BR_PRODOFFICE	10.0.106.221	CNBCD4C2BW	Medium Co	BRSERV	TaxReturn.pdf	37 3/29/201	BRPRODU	Color	CENTRALNT D					
Mouton	BRHFINVENTORY	10.0.206.225	CNGSD01056	Medium Co	BRSERV	05062013.MHT	36 5/6/2013	BRPRODI	Color	CENTRALNT\T					
Classieur	BRHFINVENTORY	10.0.206.225	CNGSD01056	Medium Co	BRSERV	041213-1.MHT	36 4/12/201	BRPRODI	Color	CENTRALNT\T					
Glasgiow	BRMAILROOMIRC	10.0.106.99	TQH05070	Medium Co	BRSERV	Microsoft PowerPoint - Baton Rouge Community Research Report_Ju	36 6/21/201	Canon iR	Color	CENTRALNT M					
	BR_PRODOFFICE	10.0.106.221	CNBCD4C2BW	Medium Co	BRSERV	7-3_UPC Barcode Scanner Administrator Training DOC_RevB.PDF	35 8/20/201	BRPRODU	Color	CENTRALNT\J					
Las vegas	iR C5185	10.0.106.101	MER07612	Medium Co	BRSERV	Document.aspx.pdf	34 3/27/201	HR Copier	Color	CENTRALNT\B					
	BR_PRODOFFICE	10.0.106.221	CNBCD4C2BW	Medium Co	BRSERV	QF600C Set Up Troubleshoot Guide.pdf	33 5/31/201	BRPRODU	Color	CENTRALNT\f					
Madrid	BR_S&L_CANON	10.0.206.28	DHK02586	Medium Co	BRSERV	JRAWLS/0014ReCn.PRD: Spool-ID 29963-1	32 8/9/2013	BRS&LCa I	B/W	CENTRALNT\J					
Manchester	BR_S&L_CANON	10.0.206.28	DHK02586	Medium Co	BRSERV	KBYRD/000ITIhN.PRD: Spool-ID 8330-1	32 4/29/201	BRS&LCa	B/W	CENTRALNT K					
McCloud	BR_S&L_CANON	10.0.206.28	DHK02586	Medium Co	BRSERV	KBYRD/000ITIhN.PRD: Spool-ID 8330-1	32 4/29/201	BRS&LCa	B/W	CENTRALNT K					
Memphis	BR_S&L_CANON	10.0.206.28	DHK02586	Medium Co	BRSERV	KBYRD/000ITIhN.PRD: Spool-ID 8330-1	32 4/29/201	BRS&LCa I	B/W	CENTRALNT K					
Miami	BR_S&L_CANON	10.0.206.28	DHK02586	Medium Co	BRSERV	KBYRD/000ISCVF.PRD: Spool-ID 8322-1	32 4/29/201	BRS&LCa	B/W	CENTRALNT K					
Milledgeville	BRHFINVENTORY	10.0.206.225	CNGSD01056	Medium Co	BRSERV	04152013.MHT	32 4/15/201	BRPRODI	Color	CENTRALNT\T					
✓ Minneapolis	iR C5185	10.0.106.101	MER07612	Medium Co	BRSERV	Visio-Baton Rouge Org Charts -1st Qtr 2013.vsd	32 6/25/201	HR Copier	Color	CENTRALNT\j					
Hudson	iR C5185	10.0.106.101	MER07612	Medium Co	BRSERV	Visio-Baton Rouge Org Charts -1st Qtr 2013.vsd	32 5/8/2013	HR Copier	Color	CENTRALNT j					
→ Maple Grove	iR C5185	10.0.106.101	MER07612	Medium Co	BRSERV	Visio-Baton Rouge Org Charts -1st Qtr 2013.vsd	32 4/16/201	HR Copier	Color	CENTRALNT j					
Brooklyn Park	BR_PRODOFFICE	10.0.106.221	CNBCD4C2BW	Medium Co	BRSERV	7-2_UPC Barcode Scanner Supervisor Training DOC_RevB.PDF	31 8/20/201	BRPRODU	Color	CENTRALNT\J					
St. Paul	BR_PRODOFFICE	10.0.106.221	CNBCD4C2BW	Medium Co	BRSERV	\\mcweb2008\myfiles\$\mc\MC3_Vv-01\ISO-TS-22002-1-2009.pdf	30 6/12/201	BRPRODU	Color	CENTRALNT R					
Paris	iR C5185	10.0.106.101	MER07612	Medium Co	BRSERV	Coke_v12_Promo_Spreads_1-56_WEB.pdf	29 5/22/201	HR Copier	Color	CENTRALNT					
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Central Asset Repository

A secure, centralized asset repository is vital to the management of printer assets. As discussed earlier, it is advantageous if the repository is maintained securely behind the organization firewall.

A major challenge among organizations today is that they do not know what printer assets exist or where they reside. A baseline discovery or 'self-assessment' using an SNMP tool offering a comprehensive asset repository can address this challenge. This can also support printer lifecycle management and planning.

What to look for: Access to the following key functions and data points

- Organizational Hierarchy: List asset inventory by location, building, department or floor based on IP range (ex. If a new device is discovered, it automatically classifies itself in the correct location)
- Holistic Asset Inventory: Local/USB connected printers should be included using basic Microsoft Windows protocol and without the requirement to deploy a workstation agent
- Custom Data Views/Filtering: Easy filtering and analysis capability, including access to data that cannot be directly obtained from the printer itself (Ex. printer age, device type, low/high utilization)
- MACR-R: Move-Add-Change-Redeploy-Retire Reporting: Reporting and notifications on department and IP address changes, location changes, newly discovered devices and redeployed or retired assets (devices automatically retired when no longer available, placed back into service when re-discovered)
- Custom Field Creation: Option to create custom fields to maintain items such as cost/TCO data including printer lease term, cost-per-page and other device attributes. Custom fields should be included in notifications and reporting menu options

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✓ Medium Company	Printer Name 📍	IP Address	Serial # 9	Connection	Manufact	Model	Uptime	Pages Printed	Cost 🔻	Printer Age	Equipmen	Cost/Page	Usage	Output	Low Utiliz	High Utilization
Administration 100	R C5185	10 0 106	MED07612	Networked	Canon	iR C5185	100.000%	86,931	\$12,728.15	10.86	\$2,207.21	\$0.1464	0.885%	Color	68.92%	34.46%
Albertville	Sav-OPrem-	Details		ked	Canon	iR-ADV C5	95.367%	65,097	\$10,198.22	5.60	\$2,207.21	\$0.1,500	0 6670/	Color	102 23%	20.65%
- Amsterdam	iR-ADV C505	Costs Conf	iguration	ced	Canon	IR-ADV C5	92.039%	84,522	\$8,200.02	8.98	\$2,207.21	\$0.0	ustomization	1	9%	22.34%
👻 Bulldog Bar	CHA-Admin-	Web Page		ked	Canon	iR-ADV C5	96.884%	66,976	\$8,009.24	8.60	\$2,207.21	\$0.1 A	sset Tag		1 %	17.70%
Floor 1	CHA-HR-CN	SLA Config	uration	ked	Canon	IR-ADV C5	99.723%	58,390	\$7,497.95	8.60	\$2,207.21	\$0.11 B			4%	20.58%
Schiphol	CHA-Prod-Cl	10.0.1.13	000000000000	networked	Canon	iR-ADV C5	99.702%	64,850	\$6,782.60	8.78	\$2,207.21	\$0.10	AN Cost		4%	22.85%
Atlanta East	Sav-HR-CNC5	10.0.19.228	GPQ63590	Networked	Canon	iR-ADV C5	99.877%	43,879	\$6,440.36	8.60	\$2,207.21	\$0.1	/w Cost		8%	13.92%
Atlanta West	iR-ADV C5035	10.0.1.230	GNW61685	Networked	Canon	iR-ADV C5	99.784%	36,758	\$6,021.29	8.60	\$2,207.21	\$0.1	olor All		6%	12.95%
- Berlin	KMBT643D62	10.0.3.103	A0P00110	Networked	Konica Min	KONICA M	89.724%	91,375	\$5,953.28	9.27	\$1,891.89	\$0.00	olor Cost		9%	7.25%
Frankfurt	Bru-Admin-CN	10.0.21.100	GNW57004	Networked	Canon	IR-ADV C5	88,162%	36.034	\$5,267.70	8.60	\$2,207.21	\$0.1. C	omment		3%	12.70%
Birmingham	iR-ADV C5035	10.0.109	GNW61256	Networked	Canon	IR-ADV C5	99.829%	27,861	\$5,146.86	8.60	\$2,207.21	\$0.18 C	ontact		3%	9.82%
+ Boston	R C5185-H1	10.0.109	MEO09039	Networked	Canon	R C5185-H1	76.473%	87,379	\$5.065.17		\$1,103.60	\$0.0! C	ost Share %			
Waterteur	LAF-BIZHUB	10.0.33.67	A0ED0130	Networked	Konica Min	KONICA M	75, 163%	50,328	\$4,987,43	8,69	\$1,261,26	\$0.09 C	ritical Errors/P.	ages Printed	1%	66.51%
Brungwick	Sav-KAM-CNC	10.0.19.222	GPO63444	Networked	Canon	iR-ADV C5	100.000%	18,558	\$4,815,88	8,60	\$2,207.21	\$0.21 D	apartment		3%	5.89%
Corporate Warehouse	HP P4015	10.0.11.92	CNDY232268	Networked	Hewlett-P.	HP Laser 1	100.000%	92,741	\$4,668,58	10.64	\$31.53	\$0.01	eparument.		6%	32,68%
Dallas	MCr-Admin-CN	10 0 23 84	GNG57656	Networked	Canon	IR-ADV CS	99.466%	30,766	\$4 666 68	8.60	\$2 207 21	\$0.1	evice ID		7%	16.26%
- Denver	BRMATI ROOMT	10.0.106.99	TOH05070	Networked	Canon	iR C4080	100.000%	18 219	\$4 515 24	11.61	\$2,207.21	\$0.2	evice Status		5%	9.63%
Evergreen	ID-ADV C5035	10.0.1.235	CNIW61616	Networked	Canon	IR-ADV CS	100.00096	49 491	¢4 047 70	8.60	\$2,207.21	¢0.0	evice Type		0%	17.08%
Mouton	CHA-Admin-CN	10.0.1.231	COM54504	Networked	Canon	IR-ADV CS	00.018%	51 276	¢4 108 05	8.60	\$2,207.21	\$0.00 D	iscovered		5%	13 55%
Detroit	Way Admin C	10.0.27.50	CNCEZZOD	Networked	Canon	IR ADV CS	100.0009/	26,209	\$4,014,72	0.00	\$2,207.21	40.11 D	NS Name		08/	12.00%
Glasglow	ID ADV CEORE	10.0.1.220	CNIM/6122E	Networked	Canon	IR-ADV CS	100.000%	20,290	\$7,014.75	0.01	\$2,207.21	\$0.1 E	Kev		10/	13.90%
Lafavette	R-ADV C3035	10.0.1.239	304000000	Networked	Carlori	IR-ADV CS	100.000%	33,109	\$3,904.09	0.00	\$2,207.21	\$0.1 E	nerov Star Dat	ling	170	12.3976
Las Vegas	DEGEE	10.0.11.95	CVT01E40	Networked	Canon	IR-ADV CS	06 7249/	159 902	\$3,772.80	11.07	\$2,207.21	\$0.10	irmupro Vorcio			7.94%
London	IR SUSS	10.0.11.05	CX101549	Networked	Canon	IR SUSS	100.00086	156,695	\$3,770.78	11.2/	\$1,387.39	\$0.0. F	rmware versio	n	0%	/1.99%
Los Angeles	HB_CANON_C	10.0.35.87	GINW 10624	Networked	Canon	IR-ADV CS	100.000%	14,537	\$3,678.00	0.00	\$2,207.21	\$0.2: H	ardware Addre	ess	2%	5.12%
Madrid	RICOH ATICIO	10.0.246	M5585600	Networked	Ricon	ATICIO MP	100.000%	62,801	\$3,616.95	11.44	\$1,418.92	\$0.05 H	ost MAC Addre	ess		5.000
Manchester	CHA-Prod-CNC	10.0.1.234	GNW61326	Networked	Canon	IR-ADV C5	100.000%	16,839	\$3,598.38	8.60	\$2,207.21	\$0.2 Ir	istalled		8%	5.93%
McCloud	E1000400E19005	10.0.106.96	7932901	Networked	Lexmark	Lexmark T	100.000%	231,224	\$3,562.95	12.94	\$94.59	\$0.0 Li	ast Attempted	Communicatio	on 6%	73.33%
Memphis	STA-Admin-CN	10.0.25.105	GNW57305	Networked	Canon	IR-ADV C5	98.585%	39,347	\$3,339.18	8.60	\$2,207.21	\$0.08	ast Successful	Communicatio	on 9%	13.87%
Miami	XC560-678BQI	10.0.29.8	BUY Canon	Networked	Xerox	Xerox Doc	38,905%	8,063	\$3,237.37		\$2,522.52	\$0.40	ease Company			
Milledgeville	iR.5065	10.0.106	CXG00407	Networked	Canon	iR5065	88.532%	118,192	\$3,160.27	11.27	\$1,387.39	\$0.01	and Evoire		1%	46.86%
 Minneapolis 	92930	10.0.1.223	JRA05670	Networked	Canon	iR-ADV C5	99.961%	6,365	\$2,965.55	5.60	\$2,207.21	\$0.4	ase Expire		2%	2.24%
Hudson	iR.5050	10.0.33.10	DZA11197	Networked	Canon	iR5050	86.414%	101,001	\$2,902.40	8.94	\$1,387.39	\$0.01 L	ase Period		8%	40.04%
 Maple Grove 	NPI804A50	10.0.11.101	JPRC99G01T	Networked	Hewlett-P	hp Laser J	99.987%	53,577	\$2,710.38	9.39	\$31.53	\$0.0! L	ease Start		2%	14.16%
Brooklyn Park	iR C4080	10.0.106.97	TQH05043	Networked	Canon	iR C4080	100.000%	7,692	\$2,700.57	11.61	\$2,207.21	\$0.3! L	ocation			4.07%
St. Paul	ET0004009AD	10.0.10.139	7907WR5	Networked	Lexmark	Lexmark T	99.749%	171,948	\$2,673.81	10.65	\$94.59	\$0.0 M	anaged Status	5	7%	54.53%
Paris	KMBT8A5DF8	10.0.3.20	A5C10110	Networked	Konica Min	KONICA M	97.827%	14,758	\$2,666.77	5.19	\$1,576.58	\$0.18 N	otes		2%	9.36%
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Medium Company 🗸 🗸	🔽 [Retired Statu	is] = 'In-servic	e' And Not Is n	ull or empty([Serial #]) And	Not Is null or en	npty([Printer N	lame]) 🔻								Edit Filter

 Integrated Printer Asset Mapping: To maintain a useful and accurate inventory, the ability to graphically map printer assets to floor plans is very useful. Visualizing printer asset data helps with analysis, including determining if a device is properly placed given its volume and utilization. Such mapping also helps with the development of and adherence to a Group Printer Policy.

In the example below, you see a drag and drop of printer assets onto a floor plan by location, using a plug-in tool to Microsoft Visio. Device icons are utilized and aggregate volumes (ex. total volume, monochrome, color, etc.) are displayed, in addition to over-utilized and under-utilized printers. You can map the current-state or develop future-state 'what if' scenarios. This particular tool, SiteAudit Visualizer, can operate on a Windows tablet.





SiteAudit Visualizer - Floor Mapping

Asset Tracking Alerting & Reporting

Identifying and tracking changes associated with printer assets is an important part of Printer Asset Management. In addition, an efficient reporting process is key to the success of any program.

Through the use of notifications, alerts and threshold settings, many routine device requirements can now be automated. These include such things as consumable supply fulfillment, break/fix service and device meter readings, just to name a few. Typically, a printer manufacturer, dealer or supply retailer will have the capability to intake and react to notifications based on supply threshold levels or service alert criteria.

By leveraging this technology, there are multiple wins for an organization. These include less printer related helpdesk tickets and less overall burden on an IT organization. It also removes the end-user from the process as they no longer need to order supply items or initiate service requests. All of this results in a more efficient and productive organization, thus driving down cost. Of course, there are also efficiency benefits to vendors providing the supplies and service.

What to look for: Access to the following key functions and data points

- Track lease or maintenance contract expiration, vendor contract renewal dates or other data points through the use of custom fields and a reporting or notifications menu
- Automation of Incident Management: Drive customized, pro-active notifications and alerts for break/fix service and other support requirements. Integration with existing helpdesk system (ex. Remedy) to automate the creation and routing of service tickets
- Configuration Management: Check print queues and printer drivers to ensure that they are set up correctly. Identify and remove old drivers, ensure firmware levels are consistent and updated
- Stale Device Reporting: Report on devices no longer available or communicating in a single report

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Floor 1	MC_G_NELSON7	HP Color Lase	. 10.0.37.10			Carlin metion	-							~	serJet	10/1/2013 6:10:1	
Schiphol	LK_CHECKER	HP Color Lase	. HPColorLaserJe		Juncatio	ons configuration	1							^	USE2025	10/1/2013 6:09:5	
Atlanta East	LK_R_BIHM	HP Color Lase	. IP_10.0.31.86		Confi	ioure the settings	for enabling no	tification of alerts	filtering crite	eria and recipients. N	Intificatio	n recipients no	t specified be	low	serJet	10/1/2013 6:09:5	
Atlanta West	LAF_D_MALBR	HP Color Lase	. IP_10.0.33.134		defau	ult to the notificat	ion recipient(s) specified for the	department t	to which the device h	nas been a	assigned. Rule	s can be mad	le	serJet	10/1/2013 6:10:0	
→ Berlin	LAF_M_WRIGHT	Lexmark C532	. IP_10.0.33.34		inacti	ive, applied in a s	pecified order,	or chained by allo	wing the cont	tinued processing of	fsubsequ	ent rules. Aler	s that remain	0	Cooler	10/1/2013 6:10:0	
Frankturt	LAF_WENDY_R	Lexmark C532	. IP_10.0.33.34		unresolved can be escalated with expedited notifications. Notifications of duplicate alerts can be suppressed by ianoring multiple occurrences within a specified period. Cooler 10/1/2013 6:10:0												
Birmingnam	CH_DCRAIG10	FrontOffice	IP_10.0.1.231												e	10/1/2013 6:04:1	
+ bostori	CH_DCRAIG10	Canon iR-ADV	. IP_10.0.1.231												e	10/1/2013 6:04:1	
Watertown	GP_RACHELLE_C	Canon iR-ADV	. IP_10.0.39.41	0.39.41 Disable notifications 10/1/2013 6:05:1													
Brunswick	GP_C_DANYUS	Canon iR-ADV	. IP 10.0.39.41 Suppress notification of duplicate alerts occurring within 0 🐑 minutes 10/1/2013 6:05:1														
Corporate Warehouse	GP_L_GHOLAR	Canon R-AOV JP 10.0.39.41															
Dallas	GP_G_SUBER	Canon iR-ADV	. IP_10.0.39.41	Rule	s Ema	il Configuration										10/1/2013 6:05:1	
- Denver	BRSERV	BR Cashiers H	. IP 10.0.106.140		Maw Dr	da 🚽 Ed	it Dula			how rule details					serJet	10/1/2013 6:04:1	
Evergreen	BRSERV	BRPRODINVE	IP 10.0.206.225	-	INCW INC	11C 20	ic iture	Derete Rule		now fulle decails					BRH	10/1/2013 6:04:4	
Mouton	BRSERV	HP Color Lase	. IP 10.0.106.18		Activo		Dula		Evpedite	Expediting	Action	After	Notify whe	n 🔶	JSA	7/11/2013 1:08:1	
Detroit					Acuve		Kule		Expedite Ir	nterval (minutes)	ACUOIT	Processing	Resolved				
Glasglow				•		Move Add Change	Events			60 No	otify	Continue					
Lafayette						Lexmark T644 Jan	1			60 No	otify	Continue					
Las Vegas					\checkmark	Remaining Supply	<2 %		V	60 No	otify	Continue					
London						ΔII				60 N	atify	Continue					
Los Angeles						Orifical				60 NK		Continuo					
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Manchester						Power				Notific	atio	ns cor	nfiaur	atio	n alla	ows for h	nelndesk
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- Supply Automation: Ability to set custom supply threshold levels instead of relying on printer display alerts set by manufacturer. Manufacturer sensors in toner cartridges are prone to display alerts sometimes with as much as 35 to 40% of toner cartridge capacity remaining. If the sensor does not detect toner in the optical window, it attempts to estimate toner level, often times leading to inaccurate and premature supply replacement (see SiteAudit Analyzer reporting example below)
- Automatically route replacement notifications for JIT supply fulfillment. View estimated pages/days remaining in each printer asset. Forecast supply inventory requirements (see examples below)

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Consumables \$ *	Drag a column l hea	der here to group by	ular column								-	
Medium Company	 Printer Name 	IP Address	Model	Serial #	Description	Consumable S		Raw Level 👻 Esti	mated 👻 Estin	nated Pa	Average Pages/Day	
Administration 100	XC560-678BQI	10.0.29.8	Xerox DocuC	BUY Canon	Black Toner [K2] Cartrid	In Use	Toner	0.0 %	0.0	0	42.6	
Albertville	HPFE0D7C	10.0.33.100	Photosmart	CN04R 163Y 705D 7	yellow ink	In Use	Ink	0.0 %	0.0	0	0.4	
- Amsterdam	BR_LFRANCIS_H	10.0.106.57	HP Color Las	CNBSB09824	Yellow Cartridge HP CC	In Use	Toner	3.0 %	3.7	54	14.6	
👻 Bulldog Bar	AUG-SCBulkM251	. 10.0.3.65	HP LaserJet	CND 1G27590	Magenta Cartridge HP	In Use	Toner	0.0 %	0.0	0	6.0	
Floor 1	BR KEITHY HPL	10.0.106.47	HP LaserJet	CNDG301605	Cyan Cartridge HP CE4	In Use	Toner	0.0 %	0.0	0	5.2	
Schiphol	BTR-JENMOHL-H	10.0.106.73	HP LaserJet	CNBH213150	Cvan Cartridge HP CE4	In Use	Toner	1.0 %	1.3	40	29.9	
Atlanta East	BTR-JENMOHL-H	10.0.106.73	HP Laser Jet	CNBH213150	Magenta Cartridge HP	In Use	Toner	0.0 %	0.0	0	29.9	
Atlanta West	BTR - IENMOHL-H	10.0.106.73	HP Laser let	CNBH213150	Vellow Cartridge HP CE	In Lise	Toper	1.0 %	13	40	29.9	
→ Berlin	BHMBOD 16980	10.0.109.144	Deckiet 6980	Eilter Editor			×	0.0%	0.0	0	25.5	
Frankfurt	NDIGEODOG	10.0.103.144	UD Calcology					0.0 %	0.0	124	5.0	
Birmingham	NPISE602E	10.0.31.75	HP COlor Las.	And Ο				5.0 %	5.2	104	25.1	
+ Boston	SPA-ADMINFU-H	10.0.29.35	np color Lase.	[Retired Status]	Equals In-service 🧷 😳			10.0 %	4.7	19	2.9	
Waltham	BR_LFRANCIS_H	10.0.106.57	HP Color Las.	HP Color Las. - [Consumable Statue] Equals In Use ◊ ◊ 6.0 % 6.6 99 14.8 R-ADV C503 - 0 ° 5.0 % 5.1 1,311 256.5 R-ADV C503 - 0 ° 5.0 % 5.0 1,775 353.0 HP Laser/let. - (Type] Contains Toner ◊ ◊ - 0.0 % 4.7 145 31.0								
Watertown	IR-ADV C5035	10.0.1.235	IR-ADV C5035									
Brunswick	CHA-Prod-CNC50	. 10.0.1.15	iR-ADV C5035									
Corporate Warehouse	AUG-ACO1525	10.0.3.69	HP LaserJet .									
Dallas	AUG-ACO1525	10.0.3.69	HP LaserJet .									
+ Denver	AUG-ACO1525	10.0.3.69	HP LaserJet .	[Type] Does not	contain waste / 😡		3.0 %	2.8	85	31.0		
Evergreen	BR_MHAYES_HP	10.0.106.32	HP Color Las.	[Raw Level] Is no	ot null 😳		7.0 %	5.8	323	55.9		
Mouton	LAF-BIZHUB	10.0.33.67	KONICA MIN.	[Estimated Days	Remaining] Is less than or e	qual to 7.0 🖉 😳		9.0 %	6.0	1,400	234.4	
Detroit	LAF-SALESROOM	10.0.33.135	HP Color Las.	Estimated Days	Remaining] Is not null 🔞			5.0 %	3.5	179	51.3	
Glasglow	iR C5185-H1	10.0.109.119	iR C5185-H1					9.0 %	4.9	2,180	444.1	
Lafayette	NPI 1DE930	10.0.33.195	HP Color Las.					0.0 %	0.0	0	55.5	
Las Vegas	iB C5185	10.0.106.101	iB C5185		OK	Cancel	Apply	9.0 %	3.9	1,538	393.5	
London	NPT1DE930	10.0.33, 195	HP Color Las					0.0 %	0.0	0	47.0	
Los Angeles	RD SALES HDCI	10.0.106.25	HD Lacer let	CNBCD810KM	Vellow Cartridge 507A	In Lise	Toper cartridge	5.0.%	1.5	267	180.6	
Madrid	PUM I AP CI 11E19	10.0.10.201	HD Color Log	CNCCOE2096	Magonta Cartridge UD	In Lice	Tonor	19.0.9/	6.2	641	101.2	
Manchester	DHM-LAD-CLJ1318	10.0.10.201	Laurande TC 44	2010///20	Plade Taxas	Tallas	Toner	10.0 %	0.3	6 020	101.3	
McCloud	E100040049CDB7	10.0.10.140	Lexindrk 1044	7911602	black Torier	In Use	Toner	27.0 %	0.7	6,039	090.7	
Memphis	0 IR3235	10.0.109.111	IR3235	DFV06035	Black I oner	In Use	Toner	5.0 %	0.1	19	152.1	
Miami												
Milledgeville												
 Minneapolis 												
Hudson												
 Maple Grove 												
Brooklyn Park												
St. Paul												
Paris	-											
Portland >>>	Count: 28	s						AVG=4.9 %				
dium Company	V Retired Status] = 'In-service' And [Consumable Statu	us] = 'In Use' And (Co	ntains([Type], 'Toner') Or C	ontains([Type], 'In	k')) And Not Contains([Type], 'waste') And [Raw Level] Is Not Null And (Estimated Days	Remaining] <= ' Edit Filter	
aroun company												



Conclusion

There is much that can be accomplished by implementing an effective Printer Asset Management program. In addition to alignment with IT security and asset management standards, objectives and policies, there is the added benefit of efficiency and user productivity. Of course, efforts to optimize, standardize and better manage a printer fleet will certainly drive down cost. This benefit compounds when duplex printing is increased and color and total page volume is driven down over time. On the matter of infrastructure, there also a potential benefit by integration with Helpdesk systems, Enterprise Asset Management systems or ERP using e-mail, web services or API.

The reality is, even just implementing *some* of these suggestions can result in noteworthy cost reduction and efficiency gains. By deploying Netaphor SiteAudit, an IT organization can achieve quick wins in these areas and take better control of their printer assets.

Please see accompanying sample report package. Here you will find examples of graphic-rich reports that can be easily be automated for delivery. SiteAudit Analyzer is a plug-in to Microsoft Excel and provides instant, graphical views into the printer asset repository. Over 70 standard charts and graphs exist in pivot table format with the option to create addition custom reports using SiteAudit Designer. SiteAudit Analyzer also links with Microsoft PowerPoint for instant report generation.

If you are interested in evaluating Netaphor SiteAudit or have questions regarding any of the detail provided in this document, please contact the author using the contact information below.

Use Cases: Netaphor SiteAudit

- Secure, Centralized Asset Repository & Mapping
- Self Assessment, Asset
 Discovery & Inventory
- Governance & Vendor Management
- Automation of Incident Management
- Reporting, Analysis & Configuration Management
- Managing Printer Policy Adherence



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Netaphor Software, Inc. Netaphor SiteAudit 5.0 Outstanding Fleet Management Solution









ISV/Software Solutions