Matthew Prince, CISSP – Technical Sales, Australia and NZ

Continuous Compliance with IBM Tivoli Endpoint Manager

Who was BigFix?

- Headquartered in Emeryville, California, with more than 200 employees with annual turnover in excess of $100m
- Hold 10 technology patents, with 17 patents pending worldwide
- The BigFix customer list counts many of the world's largest and most prestigious organizations in every industry including financial services, healthcare, retail, education, manufacturing, and public sector agencies
- More than 8,000,000 PCs, servers, and mobile devices under management
- Previous OEM partnership with IBM (Proventia ESC)
- Now a core part of IBM Tivoli Group's strategy

Endpoint management: The Three Cs

Complexity

- **Manage Complexity , Simplify and Automate**
  - Coordination across business processes through the organization
  - Heterogeneous endpoints, networks, applications and OSes

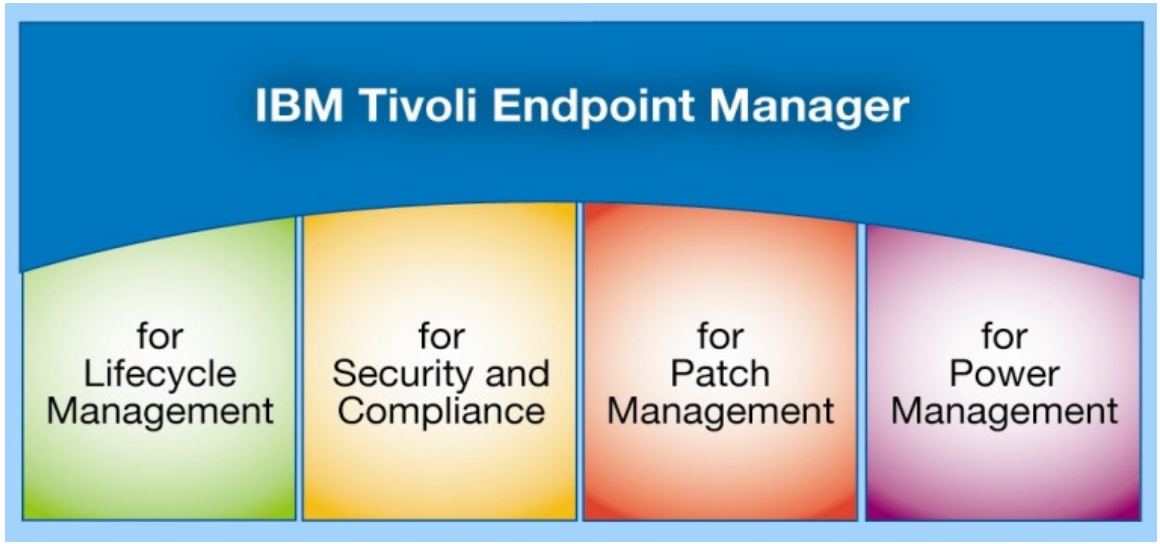
Compliance

- **Ensure Compliance, Reduce Risk**
  - Security vulnerabilities
  - Rapidly correct compliance “drift”
  - Industry regulation compliance and auditing (COBIT, SOX, PCI, and more)

Cost

- **Reduce TCO & Operational Costs**
  - Remove manual intervention
  - Remove unnecessary configuration diversity
  - Improve efficiency

Tivoli Endpoint Manager, Built on BigFix Technology

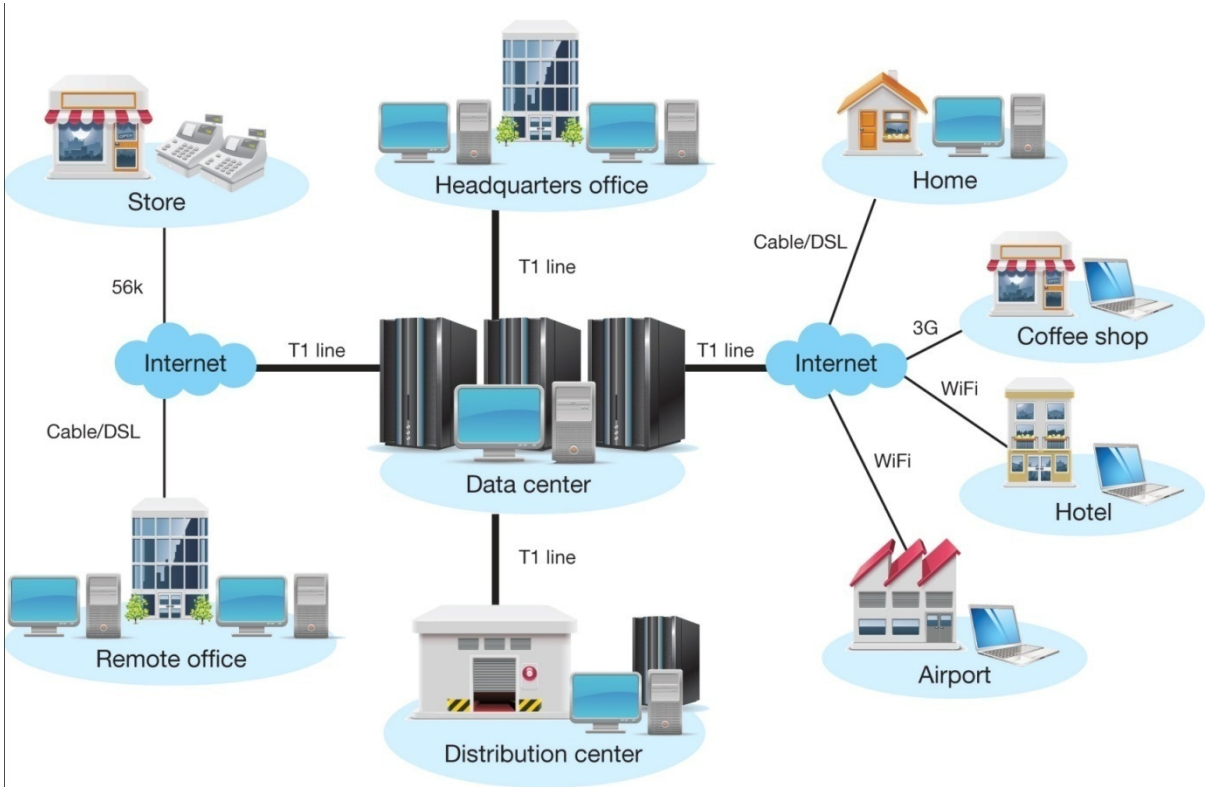


Using Tivoli Endpoint Manager (TEM), clients can:

- **Discover** all endpoints: physical, virtual, fixed or mobile
- Fix issues anywhere in **minutes**, regardless of bandwidth or connectivity
- Deploy in **days**, over any network or geography
- Achieve **continuous** compliance – across platforms
- **Simplify** operations and enjoy rapid time to value

TEM Lifecycle Management: Smarter, Faster Endpoint Management

- *Network Asset Discovery*
- *Endpoint HW, SW Inventory*
- *Patch Management*
- *Software Distribution*
- *OS Deployment*
- *Remote Desktop Control*
- *Software Use Analysis*
- *Power Management*

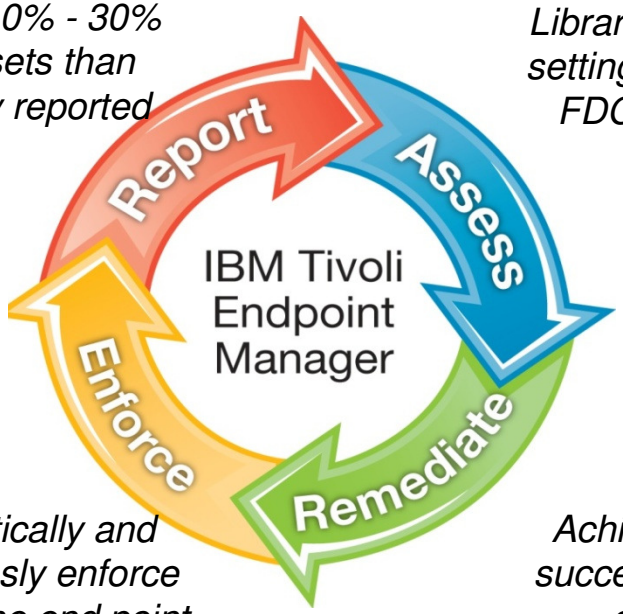


Whether it's a Mac connecting from hotel wi-fi, or a Windows laptop at 30K feet, or even a Red Hat Linux Server in your data center, Tivoli Endpoint Manager has it covered. In real-time, at any scale.

TEM – Security & Compliance: See More, Secure More

- *Patch Management*
- *Security Configuration Management*
- *Vulnerability Management*
- *Asset Discovery*
- *Network Self Quarantine*
- *Multi-Vendor Endpoint Protection Management*
- *Anti-Malware & Web Reputation Service…*

Discover 10% - 30% more assets than previously reported



Library of 5,000+ compliance settings, including support for FDCC SCAP, DISA STIG

Automatically and continuously enforce policy at the end point

Achieve 95%+ first-pass success rates within hours of policy or patch deployment

Common Criteria Certified EAL3

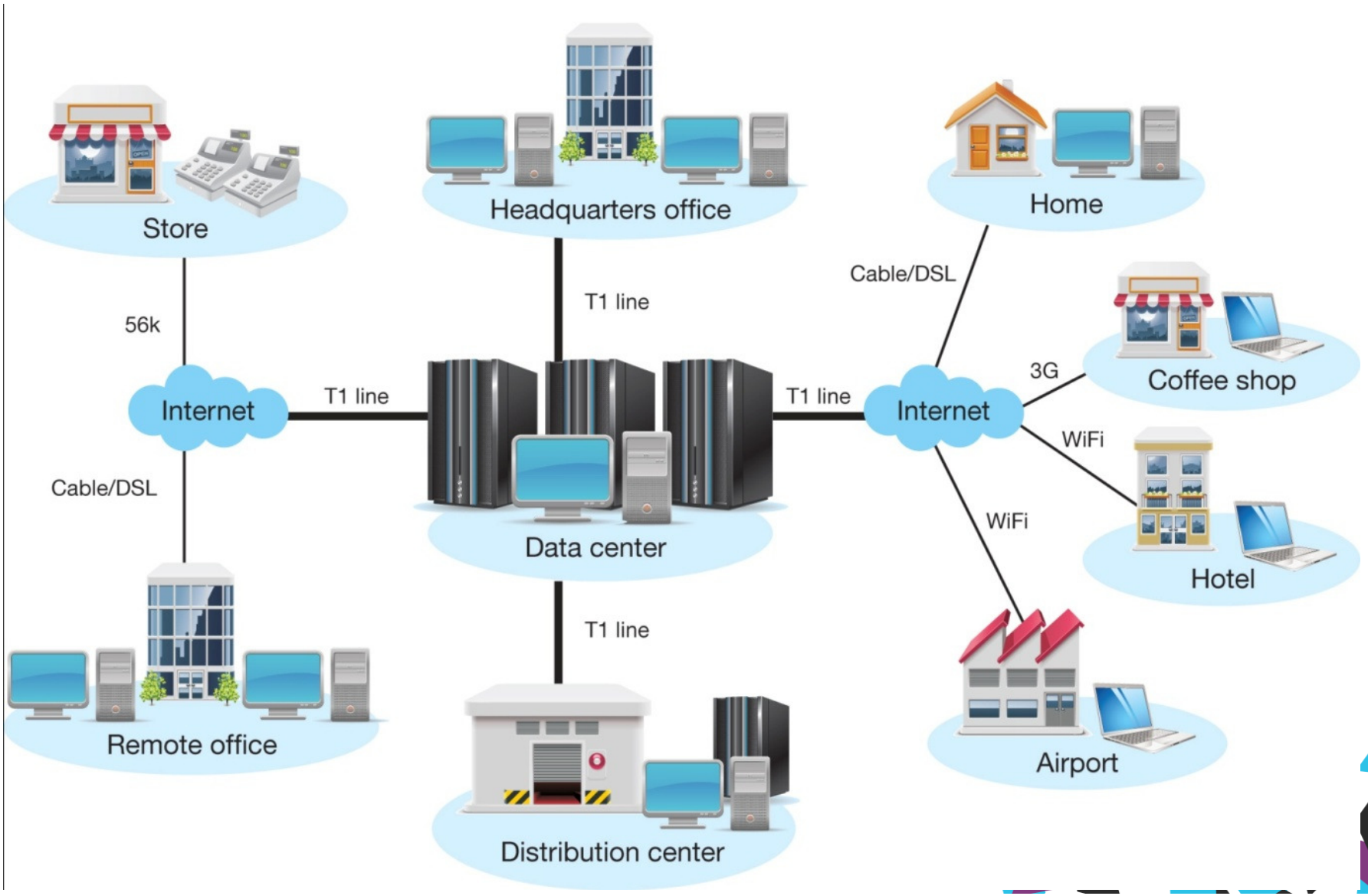
oval.mitre.org

cve.mitre.org

FIPS VALIDATED 140-2

FIPS 140-2 Inside

Endpoint Management Architecture



Tivoli Endpoint Manager: Low TCO, Real Savings

	Previous Approach	With TEM
90K device deployment	6 months	1 week
# of Management Servers	25	1
Annual Electricity Costs	$6.9M	$4M
Patch Cycle	7 Days	5 minutes
Software Inventory Cycle (license “true-up”)	3 weeks	20 minutes
Vulnerability Assessment Cycle	6 months	3 days
Security Configuration Cycle	5 months, 6 FTEs	2 weeks, 1 FTE

"I just wanted to share this with you and the guys…. The April Microsoft Patch push began at 5:00 AM on 4/20 with 579,047 affected patch instances to push, the largest push to date. At 3:00 PM on 4/20 a total of 527,916 affected patch instances were fixed. This gives us a 91.17% affected patch instances fixed in only 10 hours!

I don't believe any other product could have accomplished what Tivoli Endpoint Manager accomplished here today.” --IT Manager, Large Healthcare Organization

Why Customers Choose Tivoli Endpoint Manager

- Real-time visibility
  - Single agent sees all, does all
- Unprecedented scalability
  - One server for > 250K endpoints
- Broad coverage
  - Multi-platform, multi-purpose, on-network, off-network
- Rapid time-to-value
  - Installs in hours, remediates in minutes
- Reporting

Fast Facts:

•Every day, trillions of $$$ flow through Tivoli Endpoint Manager managed computers

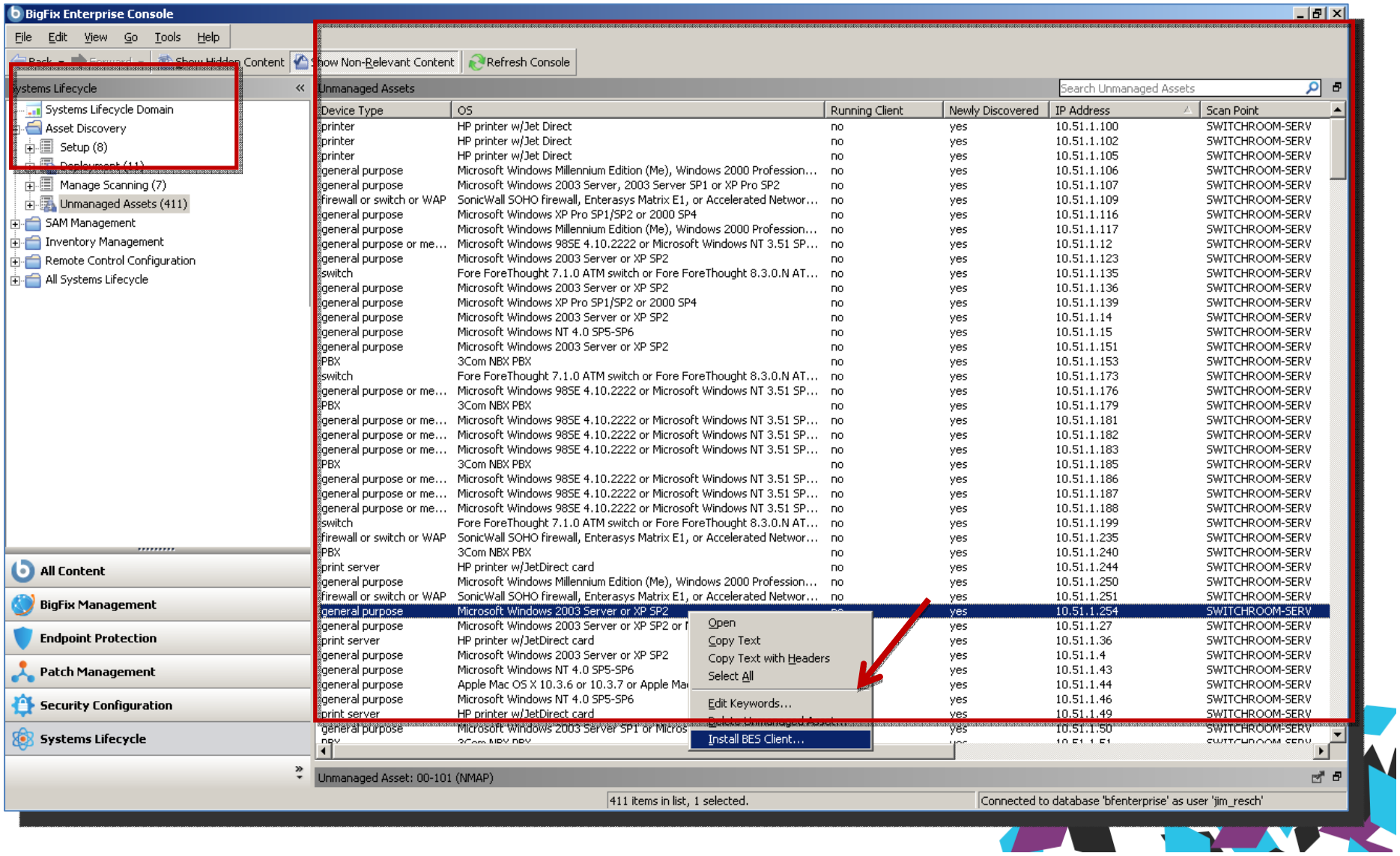
•Each year, over $350B in retail transactions is enabled by Tivoli Endpoint Manager technology

•Tens of thousands of hotel reservations are made every day on Tivoli Endpoint Manager-managed computers

Demo

Asset Discovery

Right click to Install Agent and bring endpoint under management



Asset Inventory

Computers

Edit Columns ▾ | Sort ▾

Computer Name	BIOS	CPU	Free Space o	OS	RAM	Total Size of Syst	User Name
Ambrose-042654	PTLTD - 6040000 02/26/01	1312 Mhz Pentium 4	39873 MB	Win95 OSR2.67109975	1023 MB	177000 MB	Jefferson
Ambrose-202894	Phoenix - AwardBIOS v6.00PG 04/29/02	1564 Mhz Pentium 4	54944 MB	WinXP 5.1.2600	256 MB	164000 MB	Lincoln
Ambrose-314097	Award Modular BIOS v6.00PG 04/29/02	1564 Mhz Pentium 4	39873 MB	WinXP 5.1.2600	1023 MB	94000 MB	Taft
Anaximander-701321	Award Modular BIOS v6.00PG 04/29/02	1312 Mhz Pentium 4	39487 MB	WinXP 5.1.2600	512 MB	82000 MB	Bush
Anslem-153858	Phoenix - AwardBIOS v6.00PG 04/29/02	1772 Mhz Pentium 4	81234 MB	RedHat 8.0	256 MB	184000 MB	Dubya
Anslem-345818	Phoenix - AwardBIOS v6.00PG 04/29/02	1794 Mhz Pentium 4	71356 MB	WinXP 5.1.2600	512 MB	82000 MB	Hoover
Antisthenes-031708	DELL - 8 12/07/01	997 Mhz Pentium II	39873 MB	WinXP 5.1.2600	126 MB	94000 MB	Eisenhower
Antisthenes-185500	PhoenixBIOS 4.0 Release 6.0.5 11/17/00	1994 Mhz Pentium 4	63278 MB	Win2003 5.2.3790	256 MB	200000 MB	Washington
Antisthenes-237839	PhoenixBIOS 4.0 Release 6.0.5M 01/13/9	1564 Mhz Pentium 4	81234 MB	AIX 5.2	256 MB	164000 MB	Grant
Antisthenes-255311	Award Modular BIOS v6.00PG 04/29/02	1312 Mhz Pentium 4	56150 MB	WinXP 5.1.2600	1023 MB	184000 MB	Fillmore
Antisthenes-666370	PhoenixBIOS 4.0 Release 6.0 09/21/99	1197 Mhz Pentium III	63278 MB	WinXP 5.1.2600	256 MB	184000 MB	Hayes
Aquinas-756884	Phoenix ROM BIOS PLUS Version 1.10 A0	1385 Mhz Pentium 4	47374 MB	AIX 5.2	1023 MB	124000 MB	Carter
Aristotle-917202	DELL - 27d1090d 09/13/01	1994 Mhz Pentium 4	56459 MB	WinXP 5.1.2600	512 MB	177000 MB	Dubya
		Pentium 4		WinXP 5.1.2600	256 MB	192000 MB	Arthur

Available Columns

- Current Power Scheme (Power Consumption Analy
- Current Size of RAM (Random Access Memory (RA
- Database
- DHCP Servers - Windows (Network Information (W
- Disk Drives - Windows (Hardware Information (Wir
- Distance to BES Relay
- DNS Name
- DNS Servers - Windows (Net Information (Wi

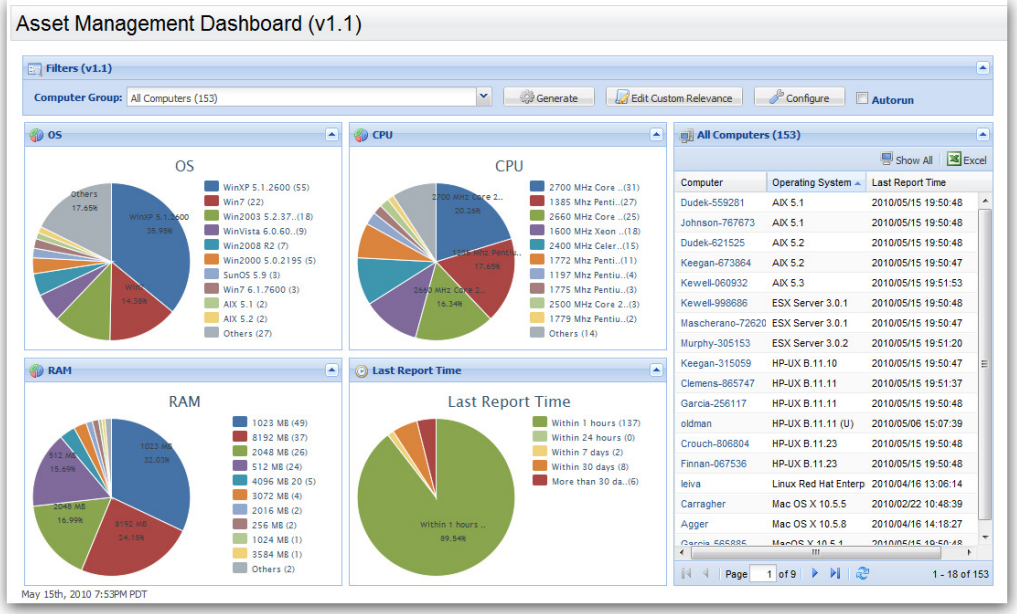
Current Columns

- [x] BIOS
- [x] Count
- [x] CPU
- [x] Free Space on System Drive
- [x] OS
- [x] RAM

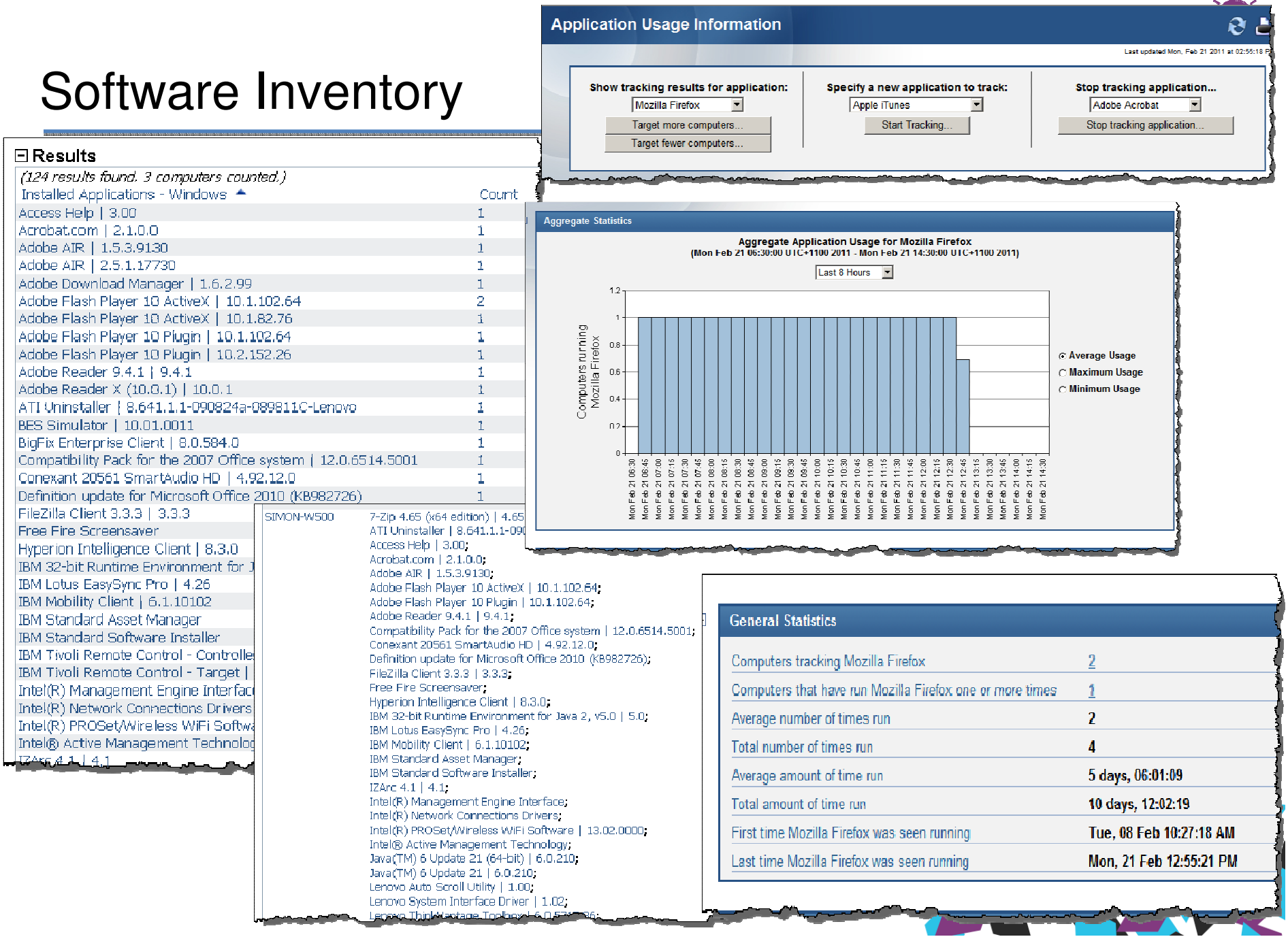
Expand

Hundreds of default properties

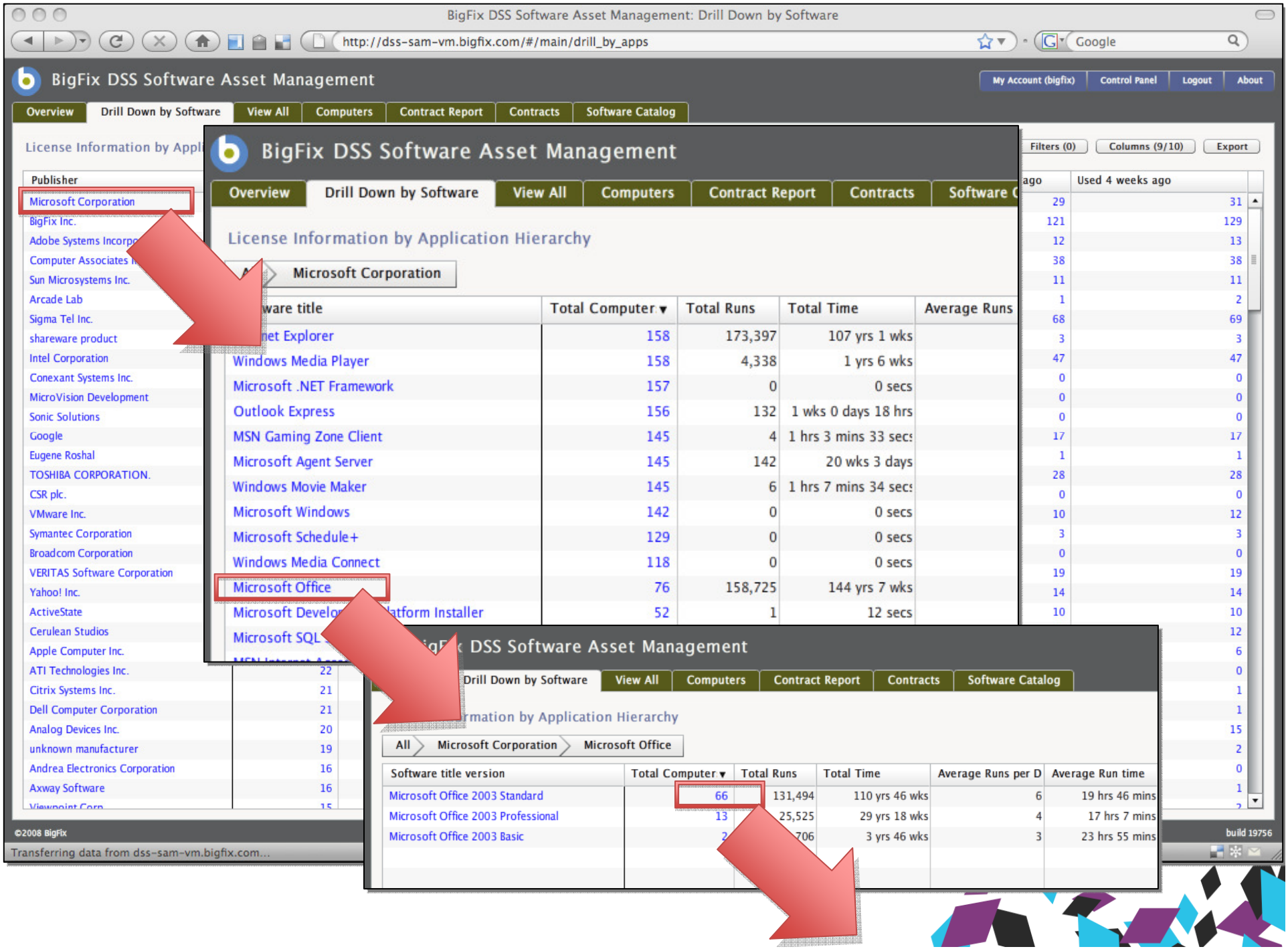
Asset Management Dashboard (v1.1)



Software Inventory



Software Usage Analysis


BigFix DSS Software Asset Management: Drill Down by Software
http://dss-sam-vm.bigfix.com/#/main/drill_by_apps
BigFix DSS Software Asset Management
My Account (bigfix)
Control Panel
Logout
About
Overview
Drill Down by Software
View All
Computers
Contract Report
Contracts
Software Catalog
Filters (0)
Columns (9/10)
Export
Publisher
Microsoft Corporation
BigFix Inc.
Adobe Systems Incorpo
Computer Associates I
Sun Microsystems Inc.
Arcade Lab
Sigma Tel Inc.
shareware product
Intel Corporation
Conexant Systems Inc.
MicroVision Development
Sonic Solutions
Google
Eugene Roshal
TOSHIBA CORPORATION.
CSR plc.
VMware Inc.
Symantec Corporation
Broadcom Corporation
VERITAS Software Corporation
Yahoo! Inc.
ActiveState
Cerulean Studios
Apple Computer Inc.
ATI Technologies Inc.
Citrix Systems Inc.
Dell Computer Corporation
Analog Devices Inc.
unknown manufacturer
Andrea Electronics Corporation
Axway Software
Used 4 weeks ago
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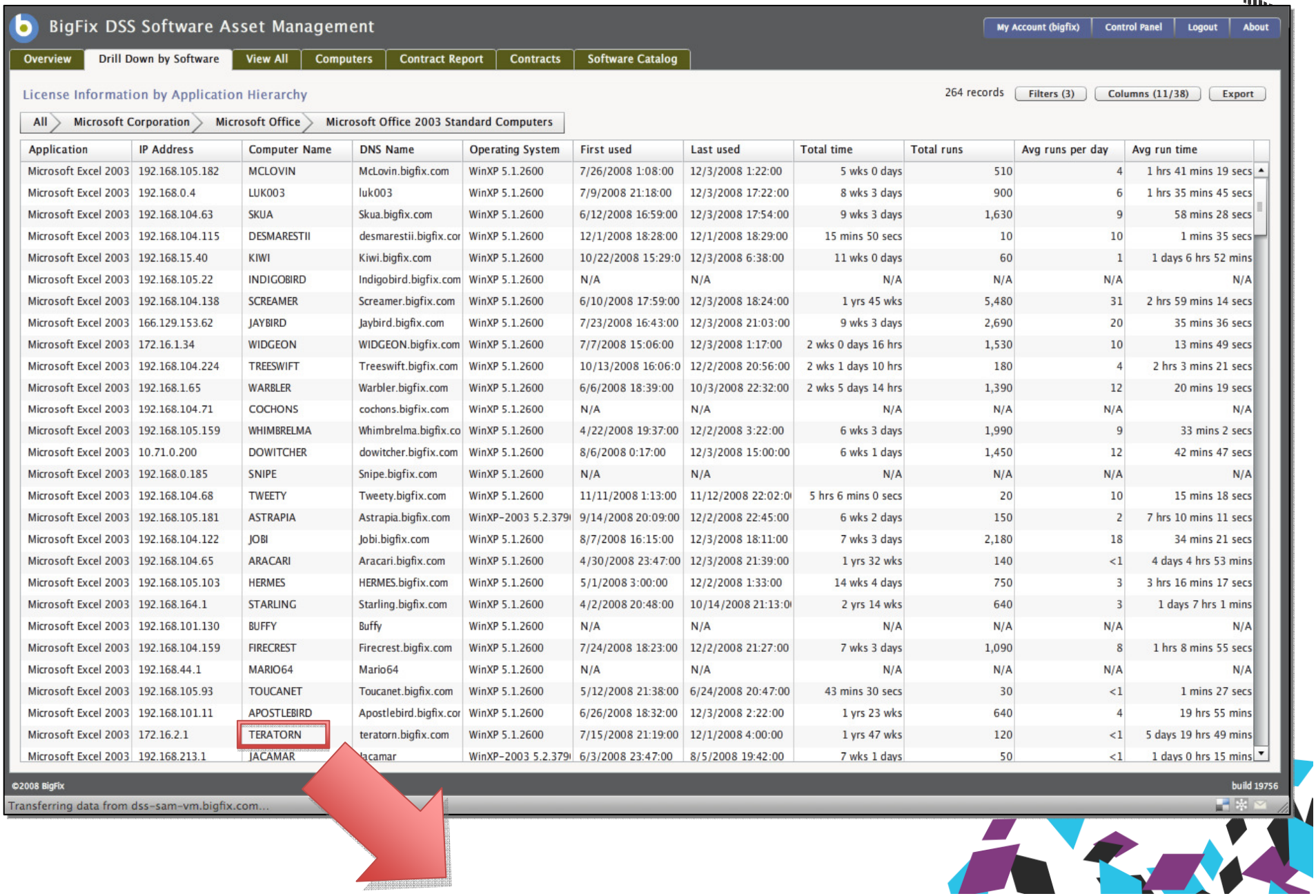
Transferring data from dss-sam-vm.bigfix.com...
BigFix DSS Software Asset Management
Overview
Drill Down by Software
View All
Computers
Contract Report
Contracts
License Information by Application Hierarchy
All
Microsoft Corporation
ware title
Total Computer
Total Runs
Total Time
Average Runs
net Explorer 158 173,397 107 yrs 1 wks
Windows Media Player 158 4,338 1 yrs 6 wks
Microsoft .NET Framework 157 0 0 secs
Outlook Express 156 132 1 wks 0 days 18 hrs
MSN Gaming Zone Client 145 4 1 hrs 3 mins 33 secs
Microsoft Agent Server 145 142 20 wks 3 days
Windows Movie Maker 145 6 1 hrs 7 mins 34 secs
Microsoft Windows 142 0 0 secs
Microsoft Schedule+ 129 0 0 secs
Windows Media Connect 118 0 0 secs
Microsoft Office 76 158,725 144 yrs 7 wks
Microsoft Develo atform Installer 52 1 12 secs
Microsoft SQL
DSS Software Asset Management
Drill Down by Software
View All
Computers
Contract Report
Contracts
Software Catalog
rmation by Application Hierarchy
All
Microsoft Corporation
Microsoft Office
Software title version
Total Computer
Total Runs
Total Time
Average Runs per D
Average Run time
Microsoft Office 2003 Standard 66 131,494 110 yrs 46 wks 6 19 hrs 46 mins
Microsoft Office 2003 Professional 13 25,525 29 yrs 18 wks 4 17 hrs 7 mins
Microsoft Office 2003 Basic 2 706 3 yrs 46 wks 3 23 hrs 55 mins



BigFix DSS Software Asset Management

My Account (bigfix) | Control Panel | Logout | About

Overview | Drill Down by Software | View All | Computers | Contract Report | Contracts | Software Catalog

License Information by Application Hierarchy

264 records | Filters (3) | Columns (11/38) | Export

All > Microsoft Corporation > Microsoft Office > Microsoft Office 2003 Standard Computers

Application	IP Address	Computer Name	DNS Name	Operating System	First used	Last used	Total time	Total runs	Avg runs per day	Avg run time
Microsoft Excel 2003	192.168.105.182	MCLOVIN	McLovin.bigfix.com	WinXP 5.1.2600	7/26/2008 1:08:00	12/3/2008 1:22:00	5 wks 0 days	510	4	1 hrs 41 mins 19 secs
Microsoft Excel 2003	192.168.0.4	LUK003	luk003	WinXP 5.1.2600	7/9/2008 21:18:00	12/3/2008 17:22:00	8 wks 3 days	900	6	1 hrs 35 mins 45 secs
Microsoft Excel 2003	192.168.104.63	SKUA	Skua.bigfix.com	WinXP 5.1.2600	6/12/2008 16:59:00	12/3/2008 17:54:00	9 wks 3 days	1,630	9	58 mins 28 secs
Microsoft Excel 2003	192.168.104.115	DESMARESTII	desmarestii.bigfix.cor	WinXP 5.1.2600	12/1/2008 18:28:00	12/1/2008 18:29:00	15 mins 50 secs	10	10	1 mins 35 secs
Microsoft Excel 2003	192.168.15.40	KIWI	Kiwi.bigfix.com	WinXP 5.1.2600	10/22/2008 15:29:0	12/3/2008 6:38:00	11 wks 0 days	60	1	1 days 6 hrs 52 mins
Microsoft Excel 2003	192.168.105.22	INDIGOBIRD	Indigobird.bigfix.com	WinXP 5.1.2600	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Excel 2003	192.168.104.138	SCREAMER	Screamer.bigfix.com	WinXP 5.1.2600	6/10/2008 17:59:00	12/3/2008 18:24:00	1 yrs 45 wks	5,480	31	2 hrs 59 mins 14 secs
Microsoft Excel 2003	166.129.153.62	JAYBIRD	Jaybird.bigfix.com	WinXP 5.1.2600	7/23/2008 16:43:00	12/3/2008 21:03:00	9 wks 3 days	2,690	20	35 mins 36 secs
Microsoft Excel 2003	172.16.1.34	WIDGEON	WIDGEON.bigfix.com	WinXP 5.1.2600	7/7/2008 15:06:00	12/3/2008 1:17:00	2 wks 0 days 16 hrs	1,530	10	13 mins 49 secs
Microsoft Excel 2003	192.168.104.224	TREESWIFT	Treeswift.bigfix.com	WinXP 5.1.2600	10/13/2008 16:06:0	12/2/2008 20:56:00	2 wks 1 days 10 hrs	180	4	2 hrs 3 mins 21 secs
Microsoft Excel 2003	192.168.1.65	WARBLER	Warbler.bigfix.com	WinXP 5.1.2600	6/6/2008 18:39:00	10/3/2008 22:32:00	2 wks 5 days 14 hrs	1,390	12	20 mins 19 secs
Microsoft Excel 2003	192.168.104.71	COCHONS	cochons.bigfix.com	WinXP 5.1.2600	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Excel 2003	192.168.105.159	WHIMBRELMA	Whimbrelma.bigfix.co	WinXP 5.1.2600	4/22/2008 19:37:00	12/2/2008 3:22:00	6 wks 3 days	1,990	9	33 mins 2 secs
Microsoft Excel 2003	10.71.0.200	DOWITCHER	dowitcher.bigfix.com	WinXP 5.1.2600	8/6/2008 0:17:00	12/3/2008 15:00:00	6 wks 1 days	1,450	12	42 mins 47 secs
Microsoft Excel 2003	192.168.0.185	SNIPE	Snipe.bigfix.com	WinXP 5.1.2600	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Excel 2003	192.168.104.68	TWEETY	Tweety.bigfix.com	WinXP 5.1.2600	11/11/2008 1:13:00	11/12/2008 22:02:0	5 hrs 6 mins 0 secs	20	10	15 mins 18 secs
Microsoft Excel 2003	192.168.105.181	ASTRAPIA	Astrapia.bigfix.com	WinXP-2003 5.2.379	9/14/2008 20:09:00	12/2/2008 22:45:00	6 wks 2 days	150	2	7 hrs 10 mins 11 secs
Microsoft Excel 2003	192.168.104.122	JOBI	Jobi.bigfix.com	WinXP 5.1.2600	8/7/2008 16:15:00	12/3/2008 18:11:00	7 wks 3 days	2,180	18	34 mins 21 secs
Microsoft Excel 2003	192.168.104.65	ARACARI	Aracari.bigfix.com	WinXP 5.1.2600	4/30/2008 23:47:00	12/3/2008 21:39:00	1 yrs 32 wks	140	<1	4 days 4 hrs 53 mins
Microsoft Excel 2003	192.168.105.103	HERMES	HERMES.bigfix.com	WinXP 5.1.2600	5/1/2008 3:00:00	12/2/2008 1:33:00	14 wks 4 days	750	3	3 hrs 16 mins 17 secs
Microsoft Excel 2003	192.168.164.1	STARLING	Starling.bigfix.com	WinXP 5.1.2600	4/2/2008 20:48:00	10/14/2008 21:13:0	2 yrs 14 wks	640	3	1 days 7 hrs 1 mins
Microsoft Excel 2003	192.168.101.130	BUFFY	Buffy	WinXP 5.1.2600	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Excel 2003	192.168.104.159	FIRECREST	Firecrest.bigfix.com	WinXP 5.1.2600	7/24/2008 18:23:00	12/2/2008 21:27:00	7 wks 3 days	1,090	8	1 hrs 8 mins 55 secs
Microsoft Excel 2003	192.168.44.1	MARIO64	Mario64	WinXP 5.1.2600	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Excel 2003	192.168.105.93	TOUCANET	Toucanet.bigfix.com	WinXP 5.1.2600	5/12/2008 21:38:00	6/24/2008 20:47:00	43 mins 30 secs	30	<1	1 mins 27 secs
Microsoft Excel 2003	192.168.101.11	APOSTLEBIRD	Apostlebird.bigfix.cor	WinXP 5.1.2600	6/26/2008 18:32:00	12/3/2008 2:22:00	1 yrs 23 wks	640	4	19 hrs 55 mins
Microsoft Excel 2003	172.16.2.1	TERATORN	teratorn.bigfix.com	WinXP 5.1.2600	7/15/2008 21:19:00	12/1/2008 4:00:00	1 yrs 47 wks	120	<1	5 days 19 hrs 49 mins
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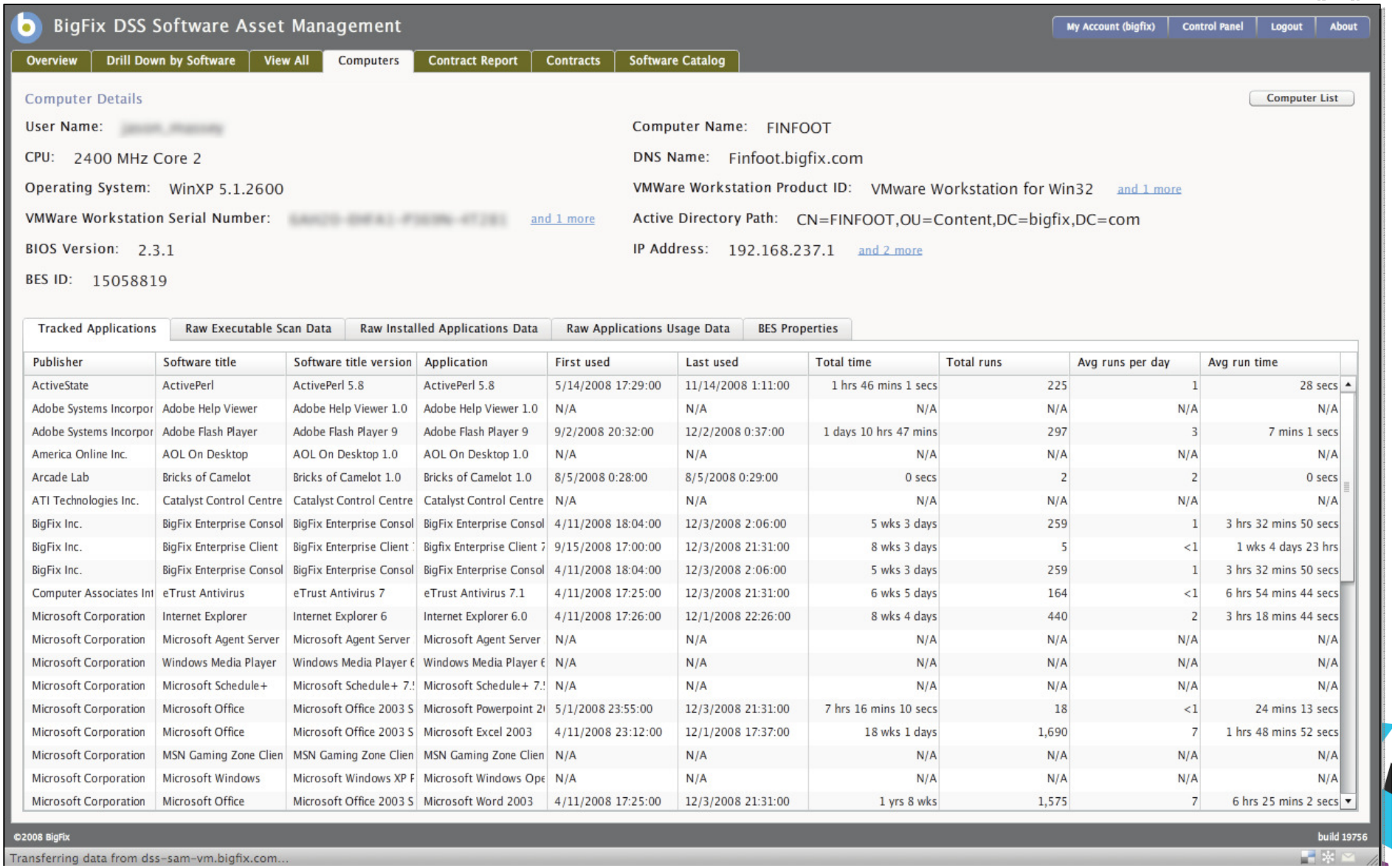

BigFix DSS Software Asset Management

My Account (bigfix) | Control Panel | Logout | About

Overview | Drill Down by Software | View All | Computers | Contract Report | Contracts | Software Catalog

Computer Details

Computer List

User Name: [redacted]

Computer Name: FINFOOT

CPU: 2400 MHz Core 2

DNS Name: Finfoot.bigfix.com

Operating System: WinXP 5.1.2600

VMWare Workstation Product ID: VMware Workstation for Win32 and 1 more

VMWare Workstation Serial Number: [redacted] and 1 more

Active Directory Path: CN=FINFOOT,OU=Content,DC=bigfix,DC=com

BIOS Version: 2.3.1

IP Address: 192.168.237.1 and 2 more

BES ID: 15058819

Tracked Applications | Raw Executable Scan Data | Raw Installed Applications Data | Raw Applications Usage Data | BES Properties

Publisher	Software title	Software title version	Application	First used	Last used	Total time	Total runs	Avg runs per day	Avg run time
ActiveState	ActivePerl	ActivePerl 5.8	ActivePerl 5.8	5/14/2008 17:29:00	11/14/2008 1:11:00	1 hrs 46 mins 1 secs	225	1	28 secs
Adobe Systems Incorpor	Adobe Help Viewer	Adobe Help Viewer 1.0	Adobe Help Viewer 1.0	N/A	N/A	N/A	N/A	N/A	N/A
Adobe Systems Incorpor	Adobe Flash Player	Adobe Flash Player 9	Adobe Flash Player 9	9/2/2008 20:32:00	12/2/2008 0:37:00	1 days 10 hrs 47 mins	297	3	7 mins 1 secs
America Online Inc.	AOL On Desktop	AOL On Desktop 1.0	AOL On Desktop 1.0	N/A	N/A	N/A	N/A	N/A	N/A
Arcade Lab	Bricks of Camelot	Bricks of Camelot 1.0	Bricks of Camelot 1.0	8/5/2008 0:28:00	8/5/2008 0:29:00	0 secs	2	2	0 secs
ATI Technologies Inc.	Catalyst Control Centre	Catalyst Control Centre	Catalyst Control Centre	N/A	N/A	N/A	N/A	N/A	N/A
BigFix Inc.	BigFix Enterprise Consol	BigFix Enterprise Consol	BigFix Enterprise Consol	4/11/2008 18:04:00	12/3/2008 2:06:00	5 wks 3 days	259	1	3 hrs 32 mins 50 secs
BigFix Inc.	BigFix Enterprise Client	BigFix Enterprise Client	Bigfix Enterprise Client 7	9/15/2008 17:00:00	12/3/2008 21:31:00	8 wks 3 days	5	<1	1 wks 4 days 23 hrs
BigFix Inc.	BigFix Enterprise Consol	BigFix Enterprise Consol	BigFix Enterprise Consol	4/11/2008 18:04:00	12/3/2008 2:06:00	5 wks 3 days	259	1	3 hrs 32 mins 50 secs
Computer Associates Int	eTrust Antivirus	eTrust Antivirus 7	eTrust Antivirus 7.1	4/11/2008 17:25:00	12/3/2008 21:31:00	6 wks 5 days	164	<1	6 hrs 54 mins 44 secs
Microsoft Corporation	Internet Explorer	Internet Explorer 6	Internet Explorer 6.0	4/11/2008 17:26:00	12/1/2008 22:26:00	8 wks 4 days	440	2	3 hrs 18 mins 44 secs
Microsoft Corporation	Microsoft Agent Server	Microsoft Agent Server	Microsoft Agent Server	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Corporation	Windows Media Player	Windows Media Player 6	Windows Media Player 6	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Corporation	Microsoft Schedule+	Microsoft Schedule+ 7.!	Microsoft Schedule+ 7.!	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Corporation	Microsoft Office	Microsoft Office 2003 S	Microsoft Powerpoint 2(	5/1/2008 23:55:00	12/3/2008 21:31:00	7 hrs 16 mins 10 secs	18	<1	24 mins 13 secs
Microsoft Corporation	Microsoft Office	Microsoft Office 2003 S	Microsoft Excel 2003	4/11/2008 23:12:00	12/1/2008 17:37:00	18 wks 1 days	1,690	7	1 hrs 48 mins 52 secs
Microsoft Corporation	MSN Gaming Zone Clien	MSN Gaming Zone Clien	MSN Gaming Zone Clien	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Corporation	Microsoft Windows	Microsoft Windows XP F	Microsoft Windows Ope	N/A	N/A	N/A	N/A	N/A	N/A
Microsoft Corporation	Microsoft Office	Microsoft Office 2003 S	Microsoft Word 2003	4/11/2008 17:25:00	12/3/2008 21:31:00	1 yrs 8 wks	1,575	7	6 hrs 25 mins 2 secs

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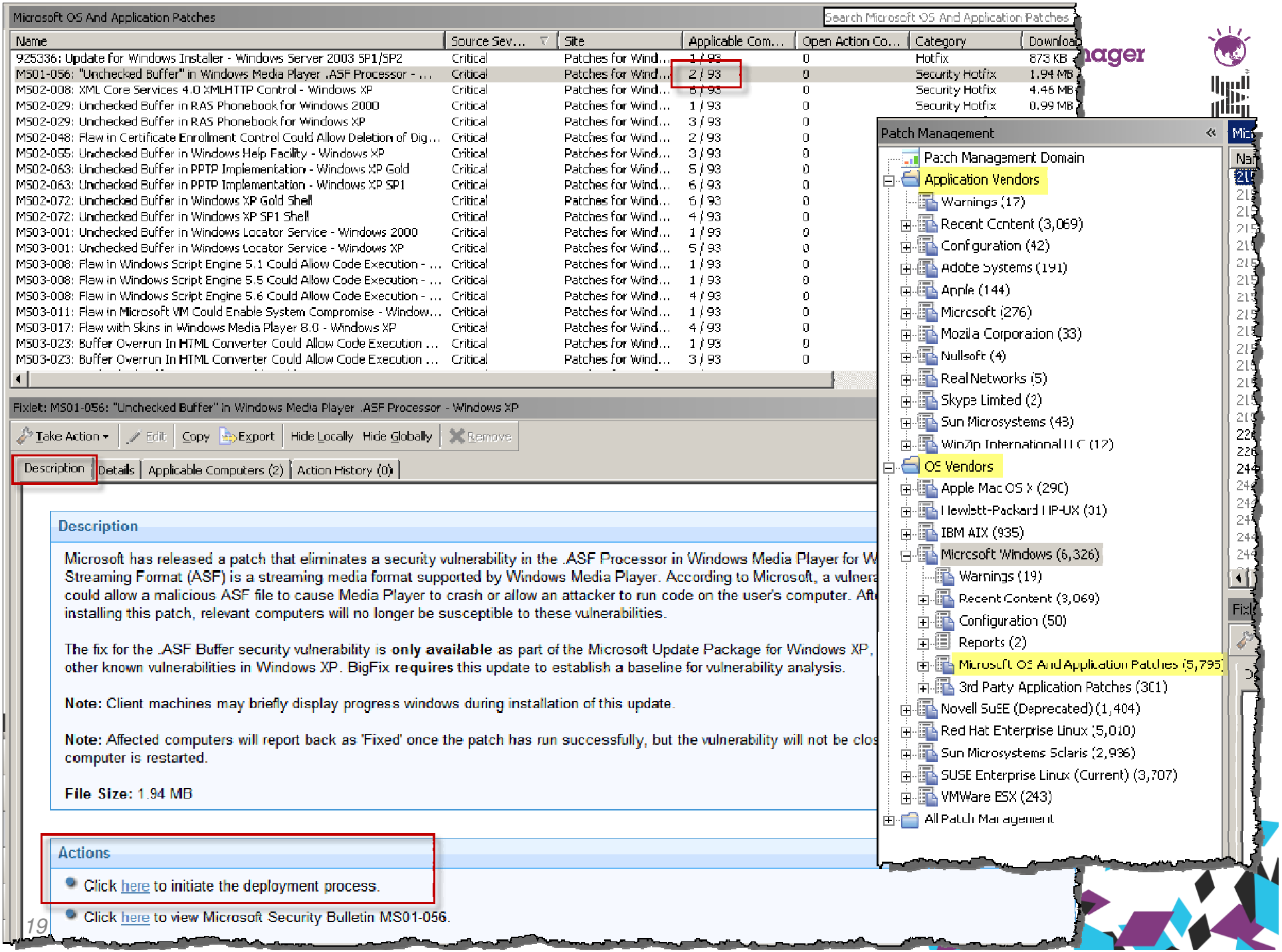
TEM for Patch Management

Product Benefits

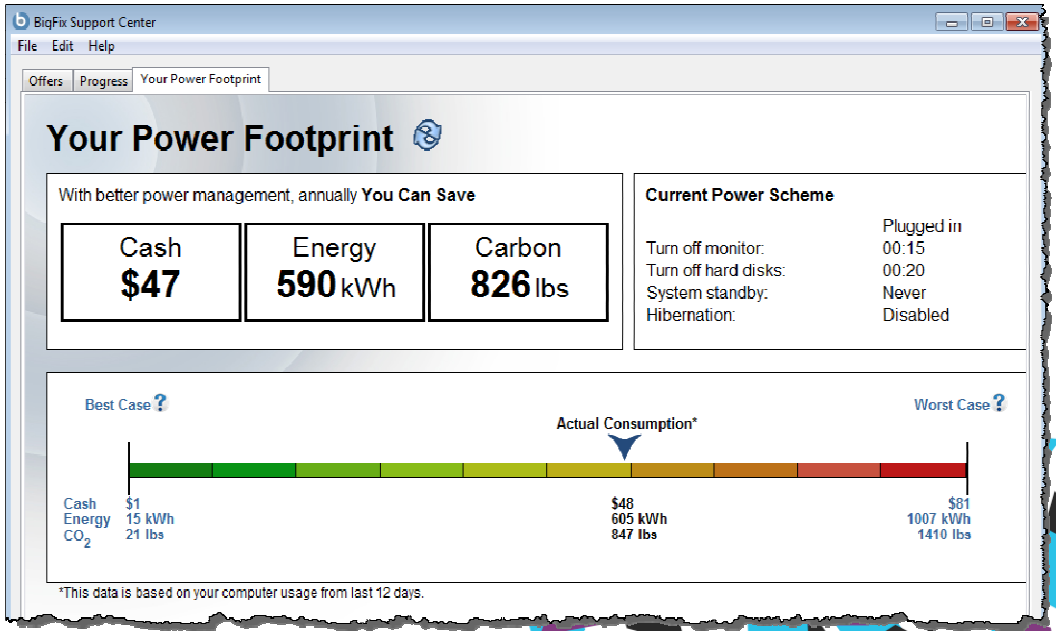
- Reduction in patch and update times from weeks and days to hours and minutes
- Increase first-pass success rates from 60-75% to 95-99+%
- System administrator workload reductions of 75% or more
- Assured compliance with internal and external standards/requirements
- Rapid deployment across entire fleet regardless of AD/Domain/Workgroup membership

Product Features

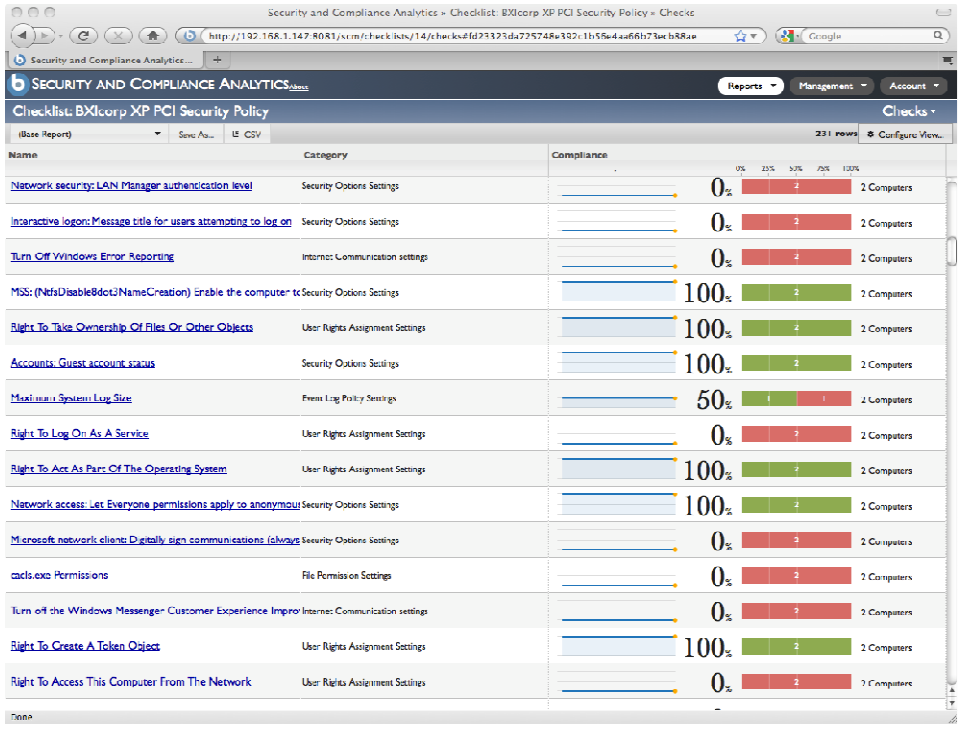
- Patch capabilities for multiple platforms: Windows, Linux, UNIX and Mac OS X
- Automated self-assessment, no centralized or remote scanning required
- Real-time reporting on patch deployment: when deployed, who deployed them, and to which endpoints
- Ability for custom patches for in-house or other vendor patches
- Pre-Caching, Bandwidth Throttling, Staggered Distribution, Reboot Suppression

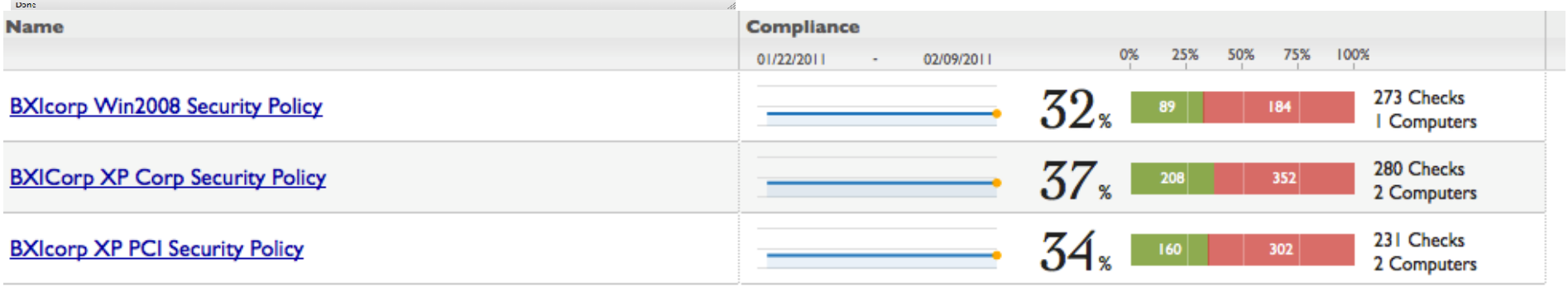

Microsoft OS And Application Patches
Search Microsoft OS And Application Patches
Name
Source Sev...
Site
Applicable Com...
Open Action Co...
Category
Download
925336: Update for Windows Installer - Windows Server 2003 SP1/SP2
MS01-056: "Unchecked Buffer" in Windows Media Player .ASF Processor - ...
MS02-008: XML Core Services 4.0 XMLHTTP Control - Windows XP
MS02-029: Unchecked Buffer in RAS Phonebook for Windows 2000
MS02-029: Unchecked Buffer in RAS Phonebook for Windows XP
MS02-048: Flaw in Certificate Enrollment Control Could Allow Deletion of Dig...
MS02-055: Unchecked Buffer in Windows Help Facility - Windows XP
MS02-063: Unchecked Buffer in PPTP Implementation - Windows XP Gold
MS02-063: Unchecked Buffer in PPTP Implementation - Windows XP SP1
MS02-072: Unchecked Buffer in Windows XP Gold Shell
MS02-072: Unchecked Buffer in Windows XP SP1 Shell
MS03-001: Unchecked Buffer in Windows Locator Service - Windows 2000
MS03-001: Unchecked Buffer in Windows Locator Service - Windows XP
MS03-008: Flaw in Windows Script Engine 5.1 Could Allow Code Execution - ...
MS03-008: Flaw in Windows Script Engine 5.5 Could Allow Code Execution - ...
MS03-008: Flaw in Windows Script Engine 5.6 Could Allow Code Execution - ...
MS03-011: Flaw in Microsoft VM Could Enable System Compromise - Window...
MS03-017: Flaw with Skins in Windows Media Player 8.0 - Windows XP
MS03-023: Buffer Overrun In HTML Converter Could Allow Code Execution ...
MS03-023: Buffer Overrun In HTML Converter Could Allow Code Execution ...
Critical
Patches for Wind...
1 / 93
2 / 93
0
Hotfix
Security Hotfix
873 KB
1.94 MB
4.46 MB
0.99 MB
Fixlet: MS01-056: "Unchecked Buffer" in Windows Media Player .ASF Processor - Windows XP
Take Action
Edit
Copy
Export
Hide Locally
Hide Globally
Remove
Description
Details
Applicable Computers (2)
Action History (0)
Description
Microsoft has released a patch that eliminates a security vulnerability in the .ASF Processor in Windows Media Player for W
Streaming Format (ASF) is a streaming media format supported by Windows Media Player. According to Microsoft, a vulnera
could allow a malicious ASF file to cause Media Player to crash or allow an attacker to run code on the user's computer. Aft
installing this patch, relevant computers will no longer be susceptible to these vulnerabilities.
The fix for the .ASF Buffer security vulnerability is only available as part of the Microsoft Update Package for Windows XP,
other known vulnerabilities in Windows XP. BigFix requires this update to establish a baseline for vulnerability analysis.
Note: Client machines may briefly display progress windows during installation of this update.
Note: Affected computers will report back as 'Fixed' once the patch has run successfully, but the vulnerability will not be clos
computer is restarted.
File Size: 1.94 MB
Actions
Click here to initiate the deployment process.
Click here to view Microsoft Security Bulletin MS01-056.
Patch Management
Patch Management Domain
Application Vendors
Warnings (17)
Recent Content (3,069)
Configuration (42)
Adobe Systems (191)
Apple (144)
Microsoft (276)
Mozilla Corporation (33)
Nullsoft (4)
RealNetworks (5)
Skype Limited (2)
Sun Microsystems (43)
WinZip International LLC (12)
OS Vendors
Apple Mac OS X (290)
Hewlett-Packard HP-UX (31)
IBM AIX (935)
Microsoft Windows (6,326)
Warnings (19)
Recent Content (3,069)
Configuration (50)
Reports (2)
Microsoft OS And Application Patches (5,795)
3rd Party Application Patches (301)
Novell SuSE (Deprecated) (1,404)
Red Hat Enterprise Linux (5,010)
Sun Microsystems Solaris (2,936)
SUSE Enterprise Linux (Current) (3,707)
VMWare ESX (243)
All Patch Management

Power Management

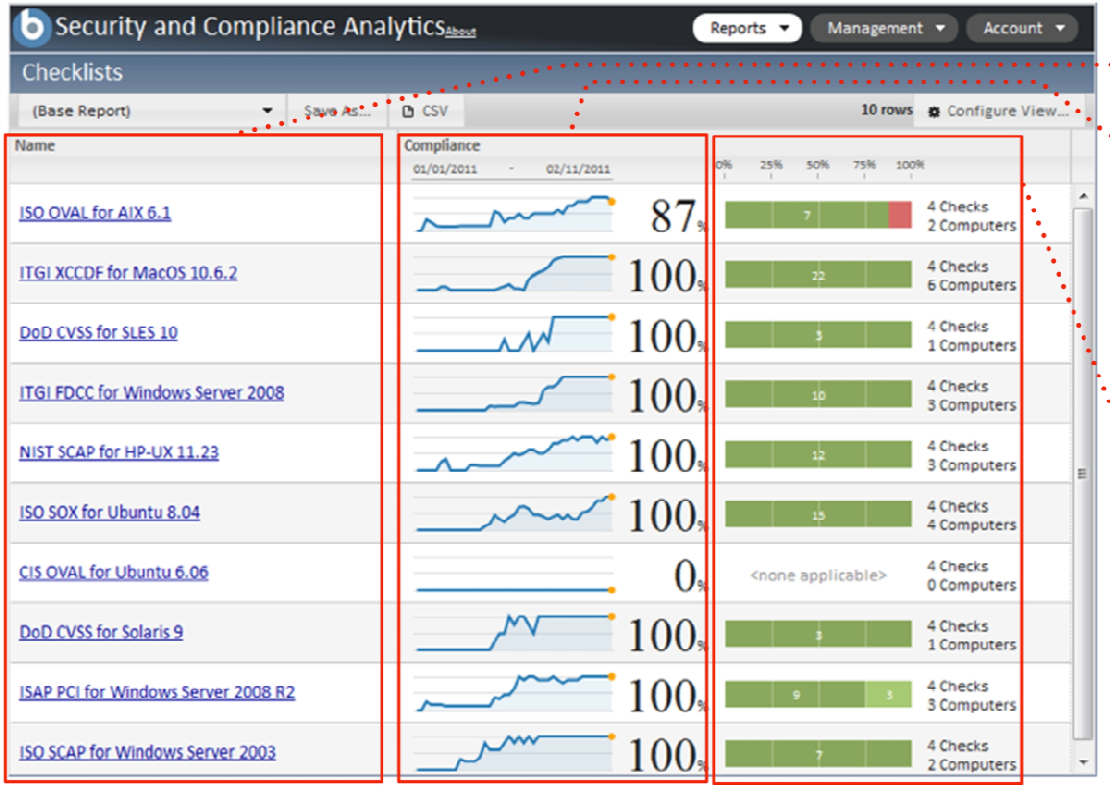


Security Compliance Analytics





List Reports



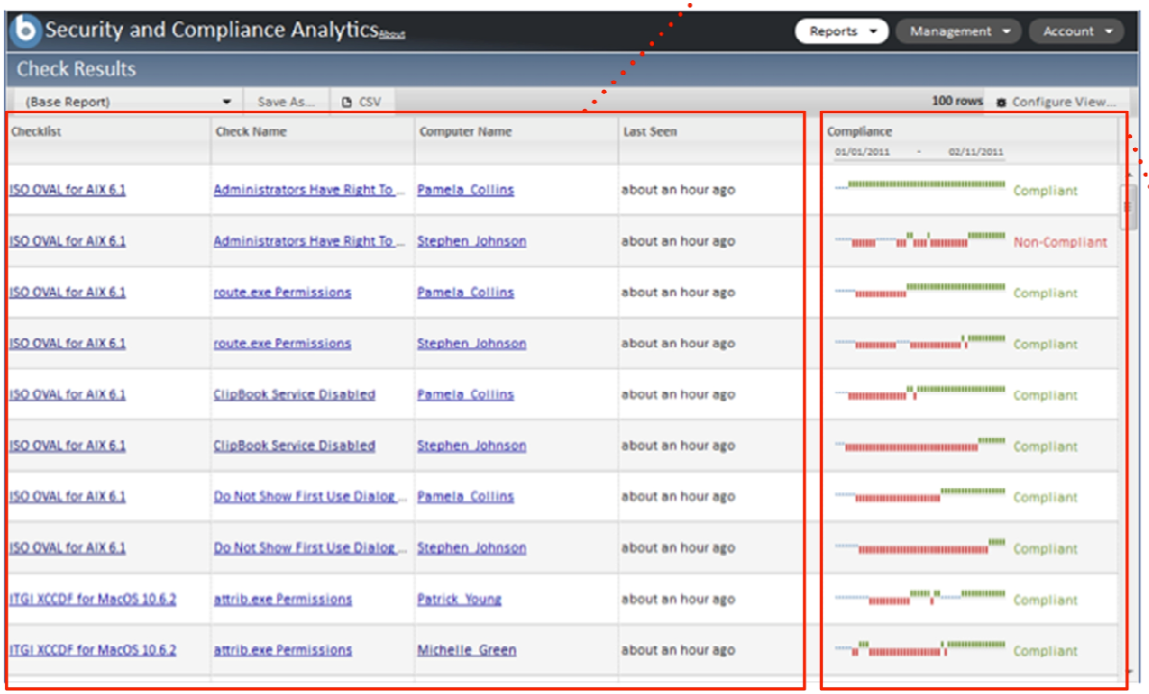
Name: lists each item represented for the list type.

Compliance: represents history of aggregate results (pass/fail) across all computers within current scope. Excepted computers are counted as passing.

Results: represents aggregate check results (pass/fail) across all appropriate computers within current scope, grouped by check result status.

List Report types: Checklists list, Checks list, Computers list, Computer Groups list

Check Results Report

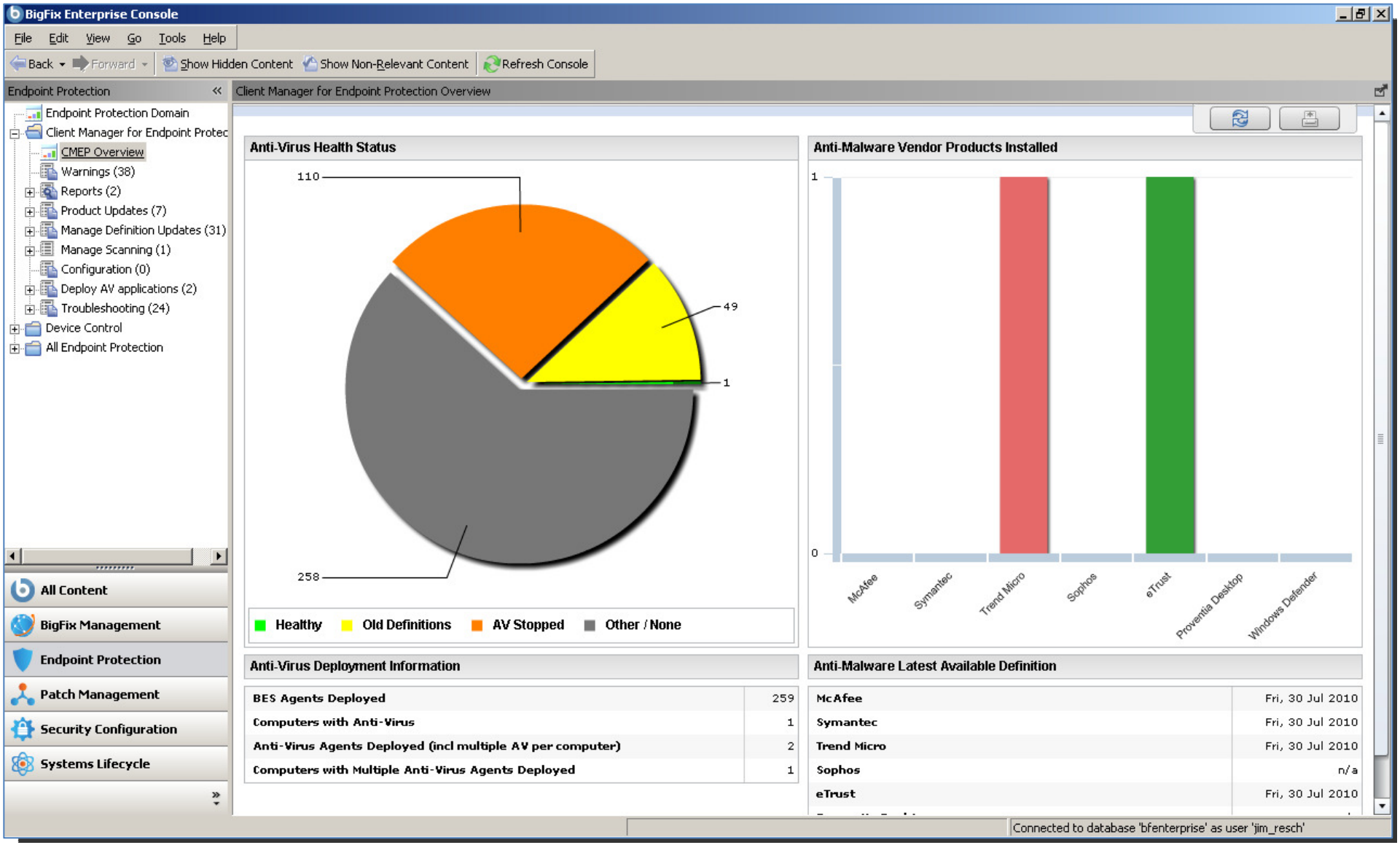


Descriptive columns: Each row represents a single check on a single computer. Columns show information about each computer-check pair. Columns are managed using the “Configure View…” option.

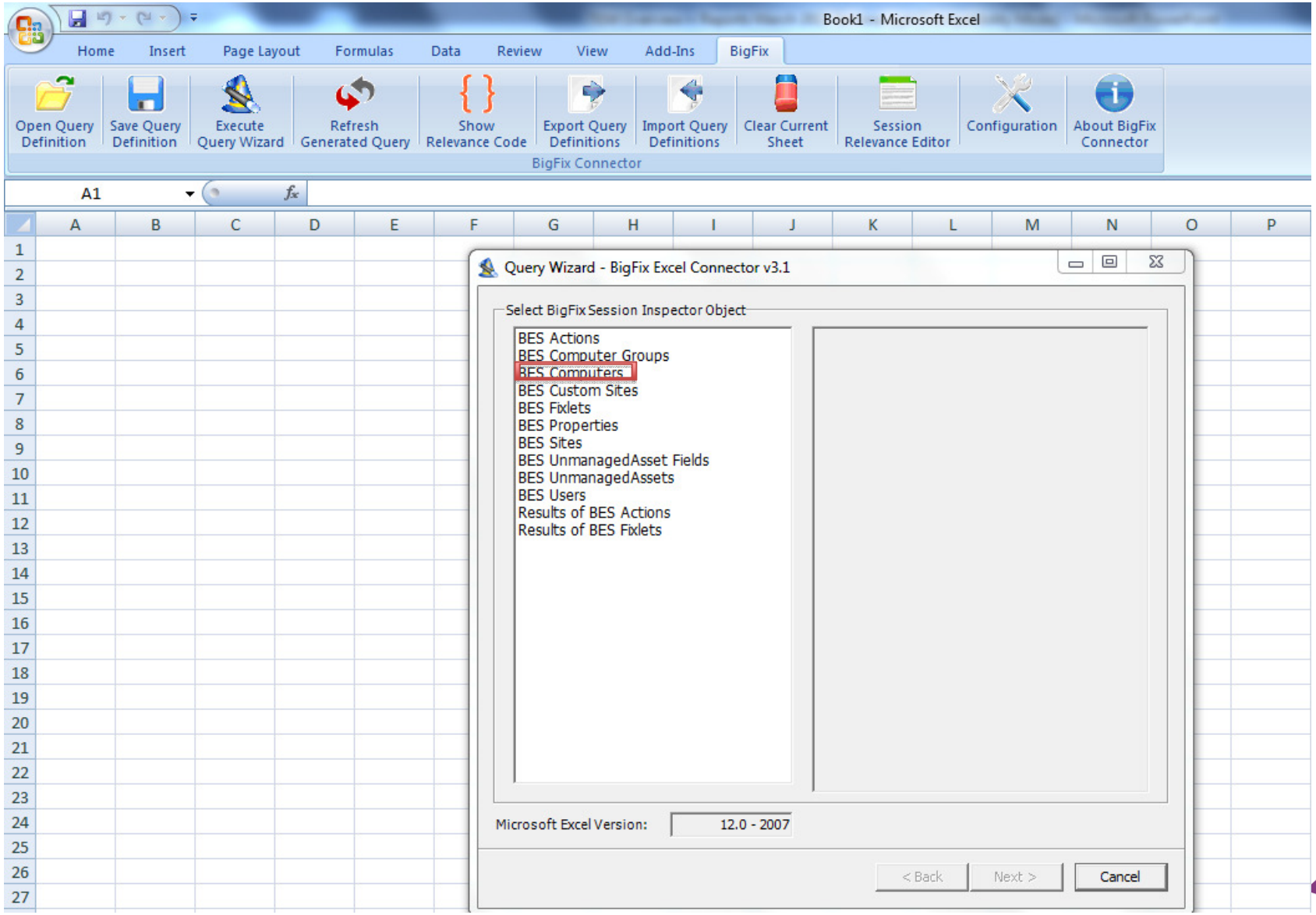
Compliance: pass/fail status for each computer-check pair. Hash marks are scaled within the displayed time range.

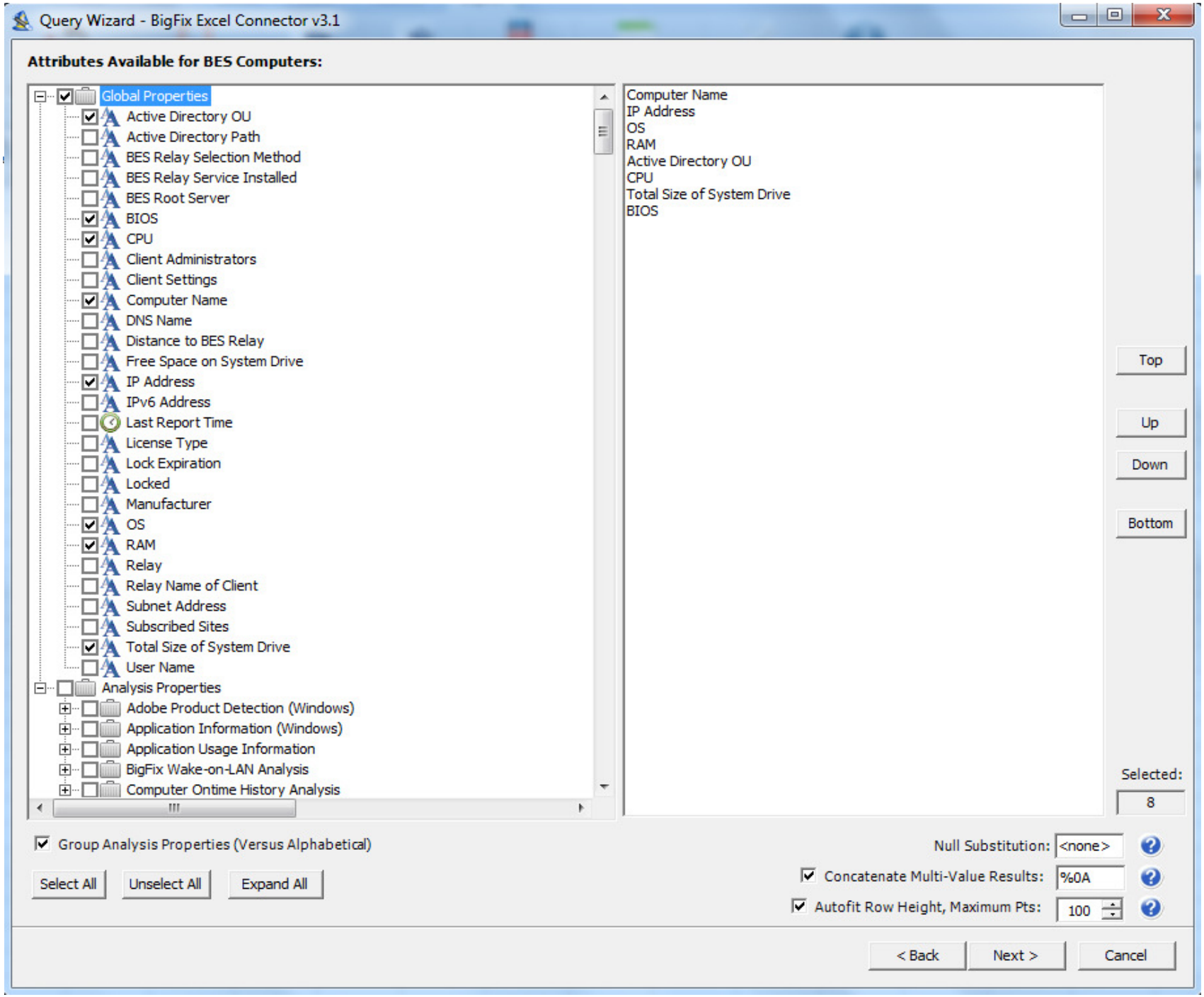
IBM Tivoli® Endpoint Manager

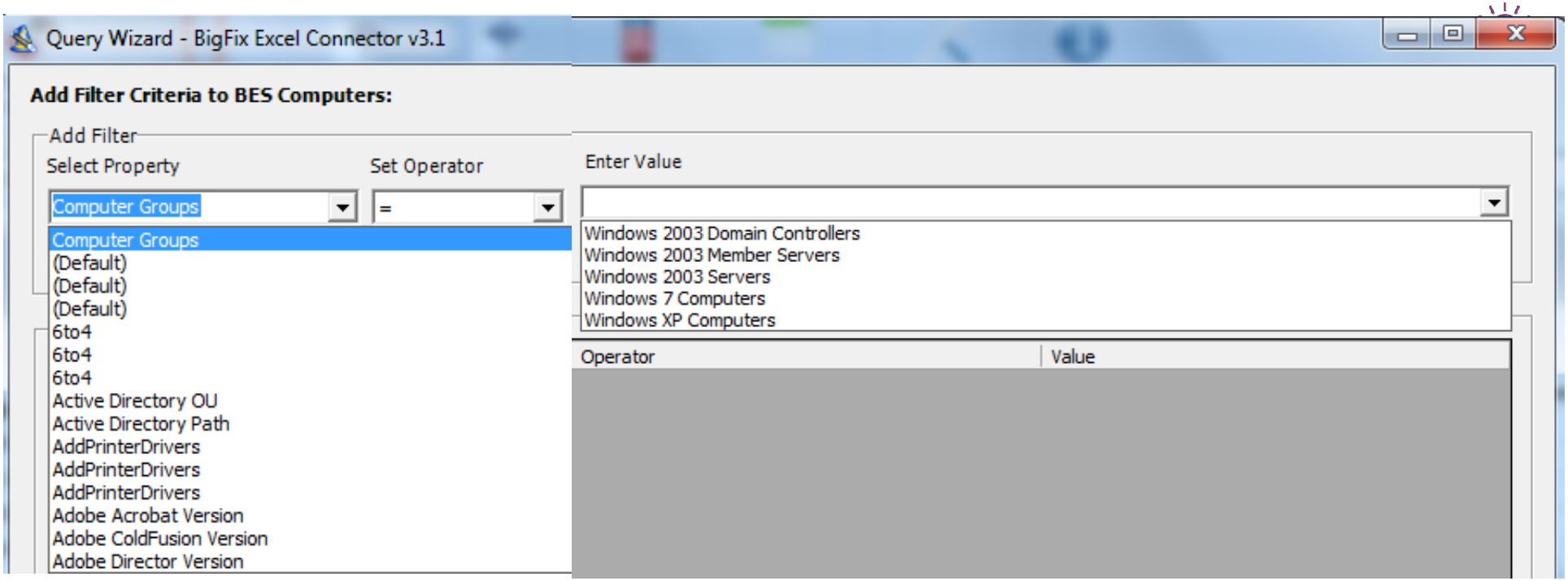
Endpoint Protection

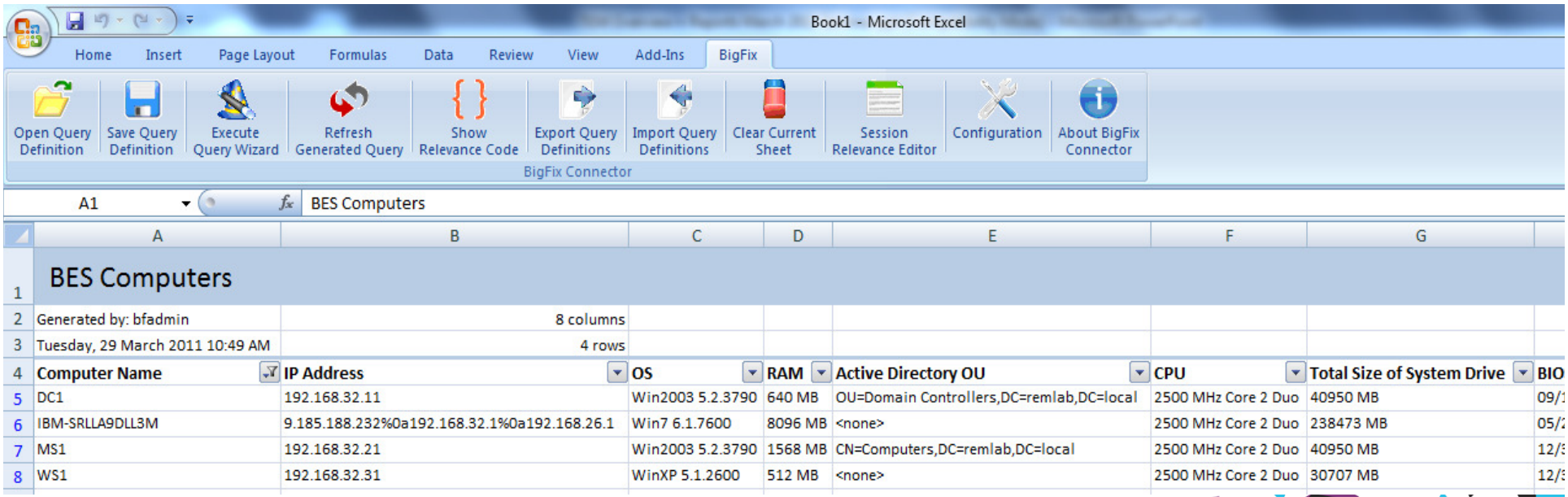


Excel Connector




Query Wizard - BigFix Excel Connector v3.1
Attributes Available for BES Computers:
Global Properties
Active Directory OU
Active Directory Path
BES Relay Selection Method
BES Relay Service Installed
BES Root Server
BIOS
CPU
Client Administrators
Client Settings
Computer Name
DNS Name
Distance to BES Relay
Free Space on System Drive
IP Address
IPv6 Address
Last Report Time
License Type
Lock Expiration
Locked
Manufacturer
OS
RAM
Relay
Relay Name of Client
Subnet Address
Subscribed Sites
Total Size of System Drive
User Name
Analysis Properties
Adobe Product Detection (Windows)
Application Information (Windows)
Application Usage Information
BigFix Wake-on-LAN Analysis
Computer Ontime History Analysis
Computer Name
IP Address
OS
RAM
Active Directory OU
CPU
Total Size of System Drive
BIOS
Top
Up
Down
Bottom
Selected:
8
Group Analysis Properties (Versus Alphabetical)
Select All
Unselect All
Expand All
Null Substitution:
<none>
Concatenate Multi-Value Results:
%0A
Autofit Row Height, Maximum Pts:
100
< Back
Next >
Cancel


Query Wizard - BigFix Excel Connector v3.1
Add Filter Criteria to BES Computers:
Add Filter
Select Property
Set Operator
Enter Value
Computer Groups
=
Computer Groups
(Default)
(Default)
(Default)
6to4
6to4
6to4
Active Directory OU
Active Directory Path
AddPrinterDrivers
AddPrinterDrivers
AddPrinterDrivers
Adobe Acrobat Version
Adobe ColdFusion Version
Adobe Director Version
Windows 2003 Domain Controllers
Windows 2003 Member Servers
Windows 2003 Servers
Windows 7 Computers
Windows XP Computers
Operator
Value


Book1 - Microsoft Excel
Home
Insert
Page Layout
Formulas
Data
Review
View
Add-Ins
BigFix
Open Query Definition
Save Query Definition
Execute Query Wizard
Refresh Generated Query
Show Relevance Code
Export Query Definitions
Import Query Definitions
Clear Current Sheet
Session Relevance Editor
Configuration
About BigFix Connector
BigFix Connector
A1
BES Computers
BES Computers
Generated by: bfadmin
8 columns
Tuesday, 29 March 2011 10:49 AM
4 rows
Computer Name
IP Address
OS
RAM
Active Directory OU
CPU
Total Size of System Drive
DC1
192.168.32.11
Win2003 5.2.3790
640 MB
OU=Domain Controllers,DC=remlab,DC=local
2500 MHz Core 2 Duo
40950 MB
IBM-SRLLA9DLL3M
9.185.188.232%0a192.168.32.1%0a192.168.26.1
Win7 6.1.7600
8096 MB
<none>
2500 MHz Core 2 Duo
238473 MB
MS1
192.168.32.21
Win2003 5.2.3790
1568 MB
CN=Computers,DC=remlab,DC=local
2500 MHz Core 2 Duo
40950 MB
WS1
192.168.32.31
WinXP 5.1.2600
512 MB
<none>
2500 MHz Core 2 Duo
30707 MB

Case study

Real Customer Case Study

Miami-Dade County Public Schools

- 345,000 pupils
- 22,000 teachers
- Over 400 schools and administrative sites
- 4th largest school system in the U.S.
- 100,000 computers supporting class-rooms and administrative functions.
- Power costs to run these facilities in the millions of dollars

- **Business Challenges & Requirements**
  - To find creative ways to save tax payers money was a key priority.
  - Need for a flexible conservation program to accommodate their diverse user community.
  - Maximise conservation with impeding systems maintenance or health
  - Remote power on capability critical for emergency security updates/patches.
  - Scalability – system must handle 100,000 endpoints
  - Flexibility was critical to support varying student curricula (day & night schools), faculty and administrative programs, test labs etc.
  - Ability to flag computers that should never be powered off.
- **Result**
  - Initial estimates (based on power data collected by TEM) indicated a potential power saving of USD$2.1M dollars. However after full implementation of BigFix PM controls, the actual savings were…….

$USD4.2M dollars per annum

Real World Case Study – Before TEM Power Management

Monthly Power Consumption

Work hours in a day:	9	Computers with System Standby enabled:	13207 of 89513 - 14%
Electricity Cost:	.10 $/kWh	Monitors with Power Management enabled:	74764 of 89513 - 83%
Display estimated power cost:	☑	Hard drives with Power Management enabled:	20627 of 89513 - 23%
◉ Display Power Usage	○ Display CO_2 Emissions	Average computer powered-on time per day:	20:46:00 - (87% of a day)
Update			

Minimum Power Consumption[2]: 2,468,811 kWh ($246,881)

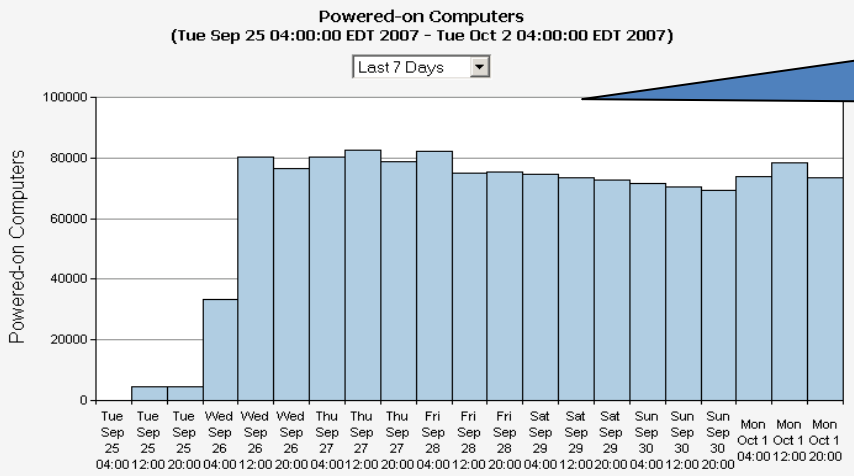
Current Power Usage (35th percentile): 4,616,550 kWh ($461,655)

Full Power Consumption[3]: 8,675,091 kWh ($867,509)

Monthly Potential Power Savings[1]: 2,147,739 kWh : $214,774 (47%)

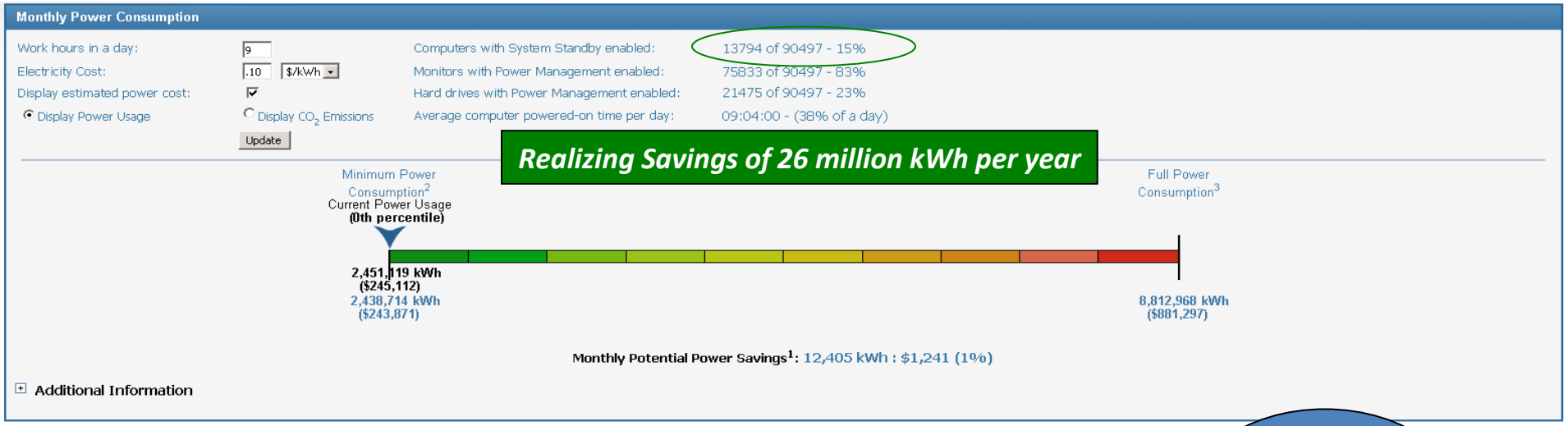
⊞ Additional Information

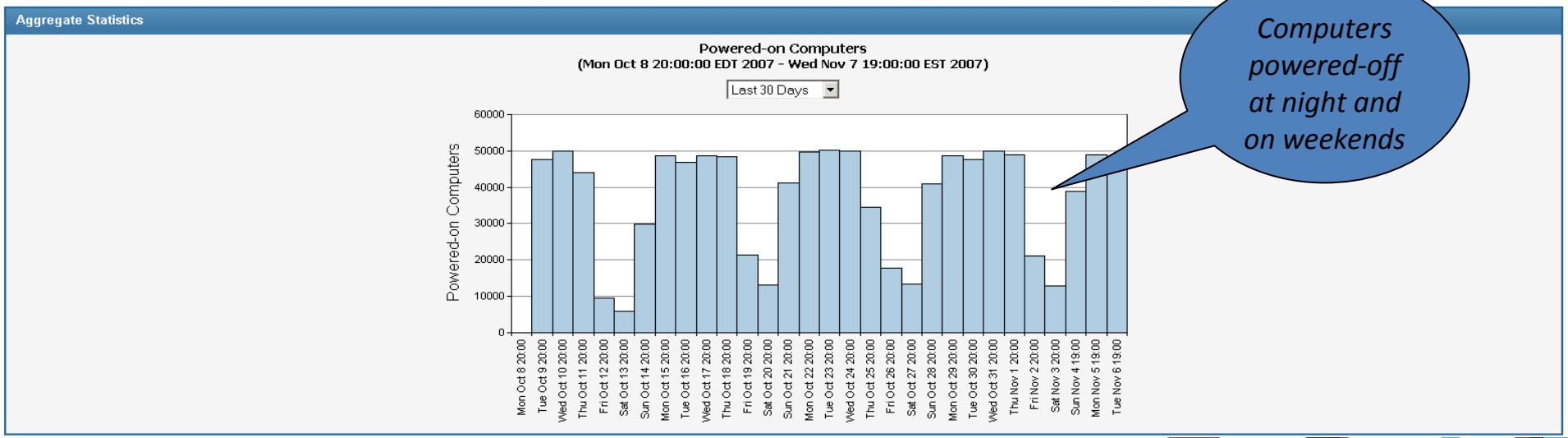
Aggregate Statistics



Computers left on at night and on weekends

Real World Case Study – After TEM Power Management





Miami-Dade County Public Schools

"These $4.2M savings [from Tivoli Endpoint Manager Power Management] are impressive, but they are just the beginning."

--Tom Sims, Director of Network Systems

Thank
You