



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

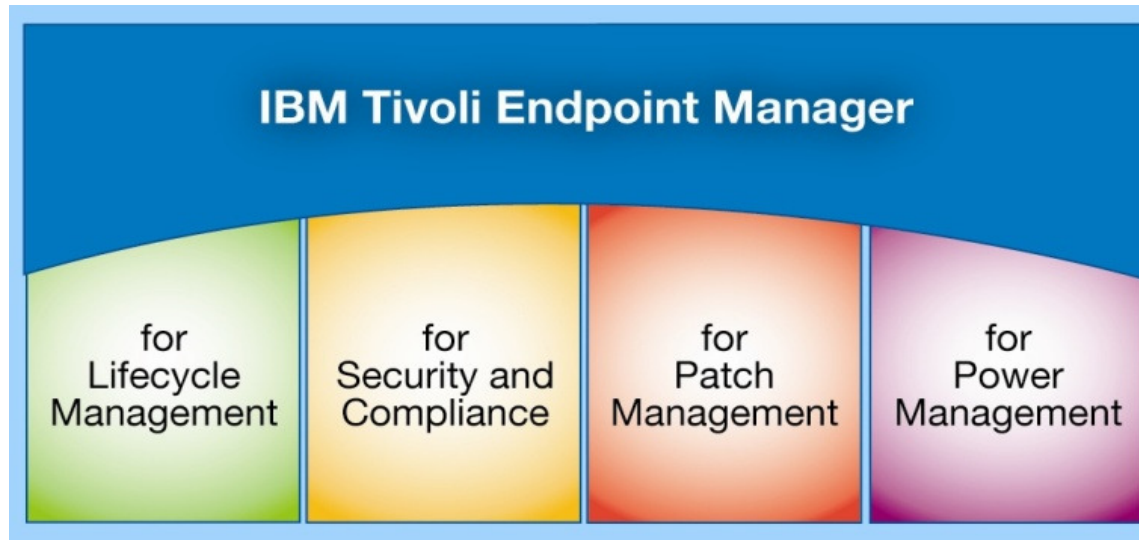
- **Reduce TCO & Operational Costs**

- Remove manual intervention
- Remove unnecessary configuration diversity
- Improve efficiency





Tivoli Endpoint Manager, Built on BigFix Technology



Using Tivoli Endpoint Manager (TEM), clients can:

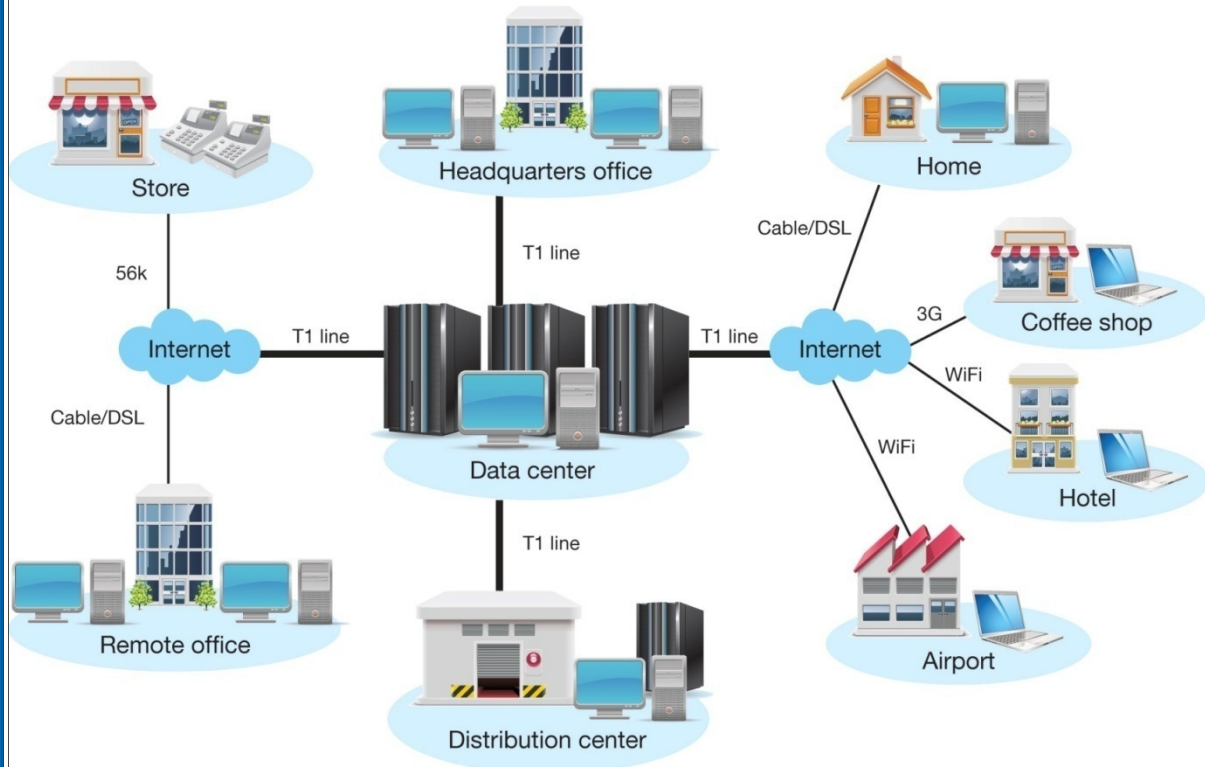
- **Discover** all endpoints: physical, virtual, fixed or mobile
- Fix issues anywhere in **minutes**, regardless of bandwidth or connectivity
- Deploy in **days**, over any network or geography
- Achieve **continuous** compliance – across platforms
- **Simplify** operations and enjoy rapid time to value





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*



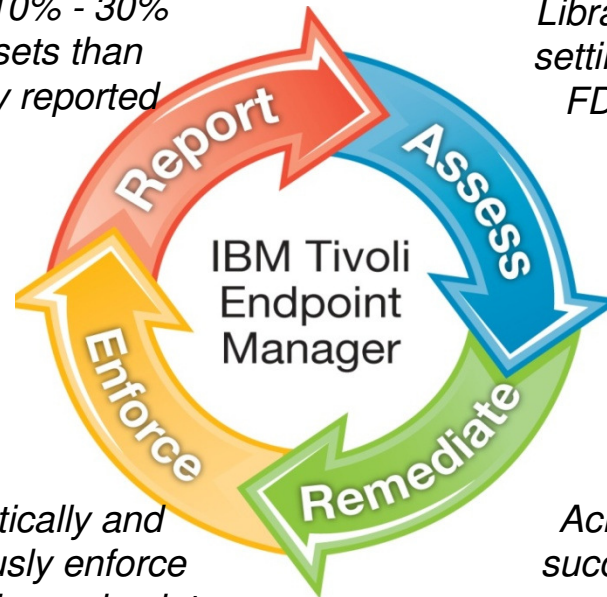
Whether it's a Mac connecting from hotel wi-fi, or a Windows laptop at 30K feet, or even a Red Hat Linux Server in your data center, Tivoli Endpoint Manager has it covered. In real-time, at any scale.



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

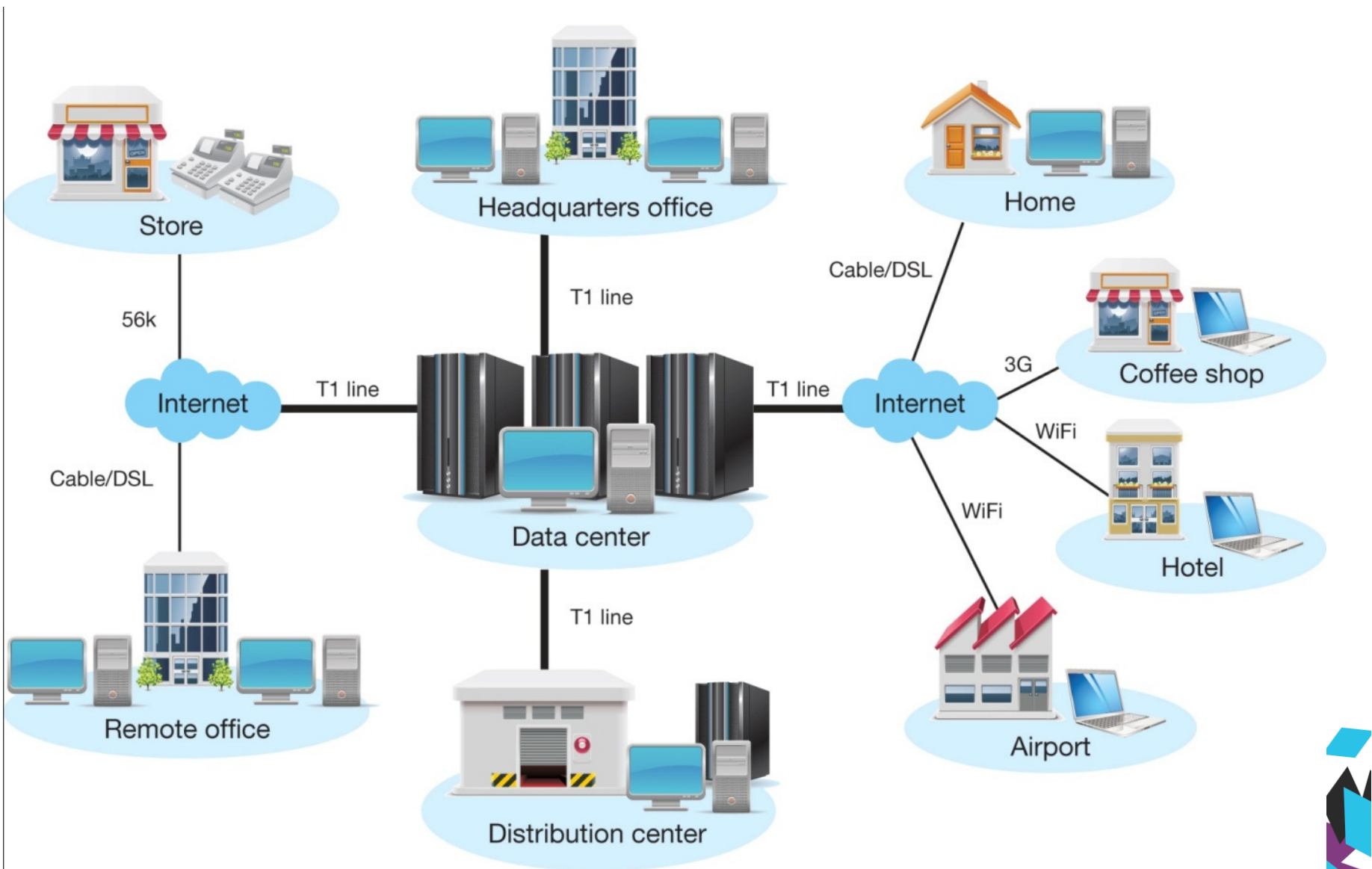
Automatically and continuously enforce policy at the end point

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





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

The screenshot shows the BigFix Enterprise Console interface. On the left, the 'Systems Lifecycle' tree is visible, with 'Unmanaged Assets (411)' selected. The main area displays a table of unmanaged assets. A context menu is open over a selected row, with the 'Install BES Client...' option highlighted. A red arrow points to this option.

| Device Type | OS | Running Client | Newly Discovered | IP Address | Scan Point |
|---------------------------|--|----------------|------------------|-------------|-----------------|
| printer | HP printer w/Jet Direct | no | yes | 10.51.1.100 | SWITCHROOM-SERV |
| printer | HP printer w/Jet Direct | no | yes | 10.51.1.102 | SWITCHROOM-SERV |
| printer | HP printer w/Jet Direct | no | yes | 10.51.1.105 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows Millennium Edition (Me), Windows 2000 Profession... | no | yes | 10.51.1.106 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server, 2003 Server SP1 or XP Pro SP2 | no | yes | 10.51.1.107 | SWITCHROOM-SERV |
| firewall or switch or WAP | SonicWall SOHO firewall, Enterasys Matrix E1, or Accelerated Networ... | no | yes | 10.51.1.109 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows XP Pro SP1/SP2 or 2000 SP4 | no | yes | 10.51.1.116 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows Millennium Edition (Me), Windows 2000 Profession... | no | yes | 10.51.1.117 | SWITCHROOM-SERV |
| general purpose or me... | Microsoft Windows 98SE 4.10.2222 or Microsoft Windows NT 3.51 SP... | no | yes | 10.51.1.12 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server or XP SP2 | no | yes | 10.51.1.123 | SWITCHROOM-SERV |
| switch | Fore ForeThought 7.1.0 ATM switch or Fore ForeThought 8.3.0.N AT... | no | yes | 10.51.1.135 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server or XP SP2 | no | yes | 10.51.1.136 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows XP Pro SP1/SP2 or 2000 SP4 | no | yes | 10.51.1.139 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server or XP SP2 | no | yes | 10.51.1.14 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows NT 4.0 SP5-SP6 | no | yes | 10.51.1.15 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server or XP SP2 | no | yes | 10.51.1.151 | SWITCHROOM-SERV |
| PBX | 3Com NBX PBX | no | yes | 10.51.1.153 | SWITCHROOM-SERV |
| switch | Fore ForeThought 7.1.0 ATM switch or Fore ForeThought 8.3.0.N AT... | no | yes | 10.51.1.173 | SWITCHROOM-SERV |
| general purpose or me... | Microsoft Windows 98SE 4.10.2222 or Microsoft Windows NT 3.51 SP... | no | yes | 10.51.1.176 | SWITCHROOM-SERV |
| PBX | 3Com NBX PBX | no | yes | 10.51.1.179 | SWITCHROOM-SERV |
| general purpose or me... | Microsoft Windows 98SE 4.10.2222 or Microsoft Windows NT 3.51 SP... | no | yes | 10.51.1.181 | SWITCHROOM-SERV |
| general purpose or me... | Microsoft Windows 98SE 4.10.2222 or Microsoft Windows NT 3.51 SP... | no | yes | 10.51.1.182 | SWITCHROOM-SERV |
| general purpose or me... | Microsoft Windows 98SE 4.10.2222 or Microsoft Windows NT 3.51 SP... | no | yes | 10.51.1.183 | SWITCHROOM-SERV |
| PBX | 3Com NBX PBX | no | yes | 10.51.1.185 | SWITCHROOM-SERV |
| general purpose or me... | Microsoft Windows 98SE 4.10.2222 or Microsoft Windows NT 3.51 SP... | no | yes | 10.51.1.186 | SWITCHROOM-SERV |
| general purpose or me... | Microsoft Windows 98SE 4.10.2222 or Microsoft Windows NT 3.51 SP... | no | yes | 10.51.1.187 | SWITCHROOM-SERV |
| general purpose or me... | Microsoft Windows 98SE 4.10.2222 or Microsoft Windows NT 3.51 SP... | no | yes | 10.51.1.188 | SWITCHROOM-SERV |
| switch | Fore ForeThought 7.1.0 ATM switch or Fore ForeThought 8.3.0.N AT... | no | yes | 10.51.1.199 | SWITCHROOM-SERV |
| firewall or switch or WAP | SonicWall SOHO firewall, Enterasys Matrix E1, or Accelerated Networ... | no | yes | 10.51.1.235 | SWITCHROOM-SERV |
| PBX | 3Com NBX PBX | no | yes | 10.51.1.240 | SWITCHROOM-SERV |
| print server | HP printer w/JetDirect card | no | yes | 10.51.1.244 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows Millennium Edition (Me), Windows 2000 Profession... | no | yes | 10.51.1.250 | SWITCHROOM-SERV |
| firewall or switch or WAP | SonicWall SOHO firewall, Enterasys Matrix E1, or Accelerated Networ... | no | yes | 10.51.1.251 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server or XP SP2 | no | yes | 10.51.1.254 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server or XP SP2 or f | no | yes | 10.51.1.27 | SWITCHROOM-SERV |
| print server | HP printer w/JetDirect card | no | yes | 10.51.1.36 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server or XP SP2 | no | yes | 10.51.1.4 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows NT 4.0 SP5-SP6 | no | yes | 10.51.1.43 | SWITCHROOM-SERV |
| general purpose | Apple Mac OS X 10.3.6 or 10.3.7 or Apple Ma | no | yes | 10.51.1.44 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows NT 4.0 SP5-SP6 | no | yes | 10.51.1.46 | SWITCHROOM-SERV |
| print server | HP printer w/JetDirect card | no | yes | 10.51.1.49 | SWITCHROOM-SERV |
| general purpose | Microsoft Windows 2003 Server SP1 or Micros | no | yes | 10.51.1.50 | SWITCHROOM-SERV |
| nv | 3Com NBX PBX | no | yes | 10.51.1.51 | SWITCHROOM-SERV |



Asset Inventory

Computers

Edit Columns | Sort

| Computer Name | BIOS | CPU | Free Space | 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 |
| Anslern-153858 | Phoenix - AwardBIOS v6.00PG 04/29/02 | 1772 Mhz Pentium 4 | 81234 MB | RedHat 8.0 | 256 MB | 184000 MB | Dubya |
| Anslern-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 | 128 MB | 94000 MB | Eisenhower |
| Antisthenes-185500 | PhoenixBIOS 4.C Release 6.0.F 11/17/00 | 1394 Mhz Pentium 4 | 63278 MB | WinXP 5.2.3790 | 256 MB | 200000 MB | Washington |
| Antisthenes-237839 | PhoenixBIOS 4.C Release 6.0.FM C1/13/0 | 1564 Mhz Pentium 4 | 81234 MB | AX 5.2 | 256 MB | 164000 MB | Grant |
| Antisthenes-255311 | Award Modular BIOS v6.00PG 04/29/02 | 1312 Mhz Pentium 4 | 56159 MB | WinXP 5.1.2600 | 1023 MB | 181000 MB | Fillmore |
| Antisthenes-000370 | PhoenixBIOS 4.C Release 6.0.C9/21/99 | 1197 Mhz Pentium III | 63278 MB | WinXP 5.1.2600 | 256 MB | 184000 MB | Hayes |
| Aquilas-756884 | Phoenix ROM BIOS PLUS Version 1.10.A0 | 1385 Mhz Pentium 4 | 47374 MB | AX 5.2 | 1023 MB | 124000 MB | Carter |
| Aristotle-317202 | DELL - 27d1090d 09/13/01 | 1394 Mhz Pentium 4 | 56459 MB | WinXP 5.1.2600 | 512 MB | 177000 MB | Dubya |

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 (Network Information (Wi
- Domain Membership - Windows

Current Columns

- BIOS
- Count
- CPU
- Free Space on System Drive
- OS
- RAM

Hundreds of default properties

Asset Management Dashboard (v1.1)

Filters (v1.1)

Computer Group: All Computers (153)

Generate | Edit Custom Relevance | Configure | Autoun

OS

CPU

RAM

Last Report Time

| Computer | Operating System | Last Report Time |
|------------------|----------------------|---------------------|
| Dudek-559281 | AX 5.1 | 2010/05/15 19:50:48 |
| Johnson-767873 | AX 5.1 | 2010/05/15 19:50:48 |
| Dudek-621525 | AX 5.2 | 2010/05/15 19:50:48 |
| Keegan-673864 | AX 5.2 | 2010/05/15 19:50:47 |
| Kewell-060932 | AX 5.3 | 2010/05/15 19:51:53 |
| Kewell-998686 | ESX Server 3.0.1 | 2010/05/15 19:50:48 |
| Mascherano-72620 | ESX Server 3.0.1 | 2010/05/15 19:50:47 |
| Murphy-305153 | ESX Server 3.0.2 | 2010/05/15 19:51:20 |
| Keegan-315059 | HP-UX B.11.10 | 2010/05/15 19:50:47 |
| Clemens-865747 | HP-UX B.11.11 | 2010/05/15 19:51:37 |
| Garcia-256117 | HP-UX B.11.11 | 2010/05/15 19:50:48 |
| oldman | HP-UX B.11.11 (U) | 2010/05/06 15:07:39 |
| Crouch-806804 | HP-UX B.11.23 | 2010/05/15 19:50:48 |
| Finnan-067536 | HP-UX B.11.23 | 2010/05/15 19:50:48 |
| Ieva | Linux Red Hat Enterp | 2010/04/16 13:06:14 |
| Carragher | Mac OS X 10.5.5 | 2010/02/22 10:48:39 |
| Agger | Mac OS X 10.5.8 | 2010/04/16 14:18:27 |
| Carroll-568885 | Mac OS X 10.5.4 | 2010/05/15 19:50:48 |

May 15th, 2010 7:53PM PDT

Page 1 of 9 | 1 - 18 of 153

Software Inventory

Results

(124 results found. 3 computers counted.)

| Installed Applications - Windows | Count |
|--|-------|
| Access Help 3.00 | 1 |
| Acrobat.com 2.1.0.0 | 1 |
| Adobe AIR 1.5.3.9130 | 1 |
| Adobe AIR 2.5.1.17730 | 1 |
| Adobe Download Manager 1.6.2.99 | 1 |
| Adobe Flash Player 10 ActiveX 10.1.102.64 | 2 |
| Adobe Flash Player 10 ActiveX 10.1.82.76 | 1 |
| Adobe Flash Player 10 Plugin 10.1.102.64 | 1 |
| Adobe Flash Player 10 Plugin 10.2.152.26 | 1 |
| Adobe Reader 9.4.1 9.4.1 | 1 |
| Adobe Reader X (10.0.1) 10.0.1 | 1 |
| ATI Uninstaller 8.641.1.1-090824a-099811C-Lenovo | 1 |
| BES Simulator 10.01.0011 | 1 |
| BigFix Enterprise Client 8.0.584.0 | 1 |
| Compatibility Pack for the 2007 Office system 12.0.6514.5001 | 1 |
| Conexant 20561 SmartAudio HD 4.92.12.0 | 1 |
| Definition update for Microsoft Office 2010 (KB982726) | 1 |

| |
|---|
| FileZilla Client 3.3.3 3.3.3 |
| Free Fire Screensaver |
| Hyperion Intelligence Client 8.3.0 |
| IBM 32-bit Runtime Environment for Java 2, v5.0 5.0 |
| IBM Lotus EasySync Pro 4.26 |
| IBM Mobility Client 6.1.10102 |
| IBM Standard Asset Manager |
| IBM Standard Software Installer |
| IBM Tivoli Remote Control - Controller |
| IBM Tivoli Remote Control - Target |
| Intel(R) Management Engine Interface |
| Intel(R) Network Connections Drivers |
| Intel(R) PROSet/Wireless WiFi Software 13.02.0000 |
| Intel(R) Active Management Technology |
| IZArc 4.1 4.1 |

| | |
|------------|---|
| SIMON-W500 | 7-Zip 4.65 (x64 edition) 4.65 |
| | ATI Uninstaller 8.641.1.1-090824a-099811C-Lenovo |
| | Access Help 3.00; |
| | Acrobat.com 2.1.0.0; |
| | Adobe AIR 1.5.3.9130; |
| | Adobe Flash Player 10 ActiveX 10.1.102.64; |
| | Adobe Flash Player 10 Plugin 10.1.102.64; |
| | Adobe Reader 9.4.1 9.4.1; |
| | Compatibility Pack for the 2007 Office system 12.0.6514.5001; |
| | Conexant 20561 SmartAudio HD 4.92.12.0; |
| | Definition update for Microsoft Office 2010 (KB982726); |
| | FileZilla Client 3.3.3 3.3.3; |
| | Free Fire Screensaver; |
| | Hyperion Intelligence Client 8.3.0; |
| | IBM 32-bit Runtime Environment for Java 2, v5.0 5.0; |
| | IBM Lotus EasySync Pro 4.26; |
| | IBM Mobility Client 6.1.10102; |
| | IBM Standard Asset Manager; |
| | IBM Standard Software Installer; |
| | IZArc 4.1 4.1; |
| | Intel(R) Management Engine Interface; |
| | Intel(R) Network Connections Drivers; |
| | Intel(R) PROSet/Wireless WiFi Software 13.02.0000; |
| | Intel(R) Active Management Technology; |
| | Java(TM) 6 Update 21 (64-bit) 6.0.210; |
| | Java(TM) 6 Update 21 6.0.210; |
| | Lenovo Auto Scroll Utility 1.00; |
| | Lenovo System Interface Driver 1.02; |
| | Lenovo ThinkVantage Toolbox 6.0.571.26; |

Application Usage Information

Last updated Mon, Feb 21 2011 at 02:55:18 PM

Show tracking results for application:

Mozilla Firefox

Target more computers...

Target fewer computers...

Specify a new application to track:

Apple iTunes

Start Tracking...

Stop tracking application...

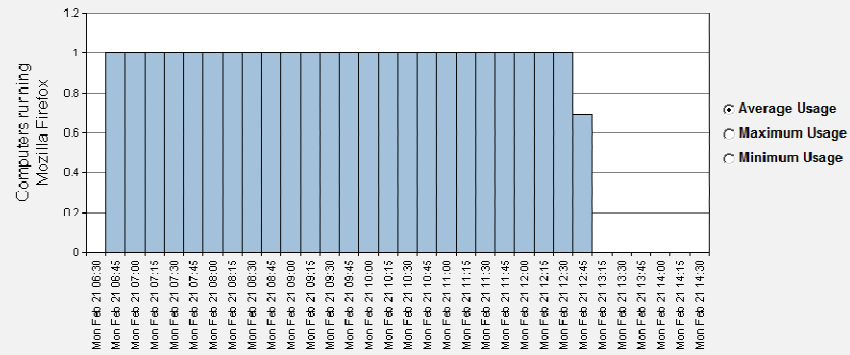
Adobe Acrobat

Stop tracking application...

Aggregate Statistics

Aggregate Application Usage for Mozilla Firefox
(Mon Feb 21 06:30:00 UIC+1100 2011 - Mon Feb 21 14:30:00 UIC+1100 2011)

Last 8 Hours



General Statistics

| | |
|---|-------------------------|
| Computers tracking Mozilla Firefox | 2 |
| Computers that have run Mozilla Firefox one or more times | 1 |
| Average number of times run | 2 |
| Total number of times run | 4 |
| Average amount of time run | 5 days, 06:01:09 |
| Total amount of time run | 10 days, 12:02:19 |
| First time Mozilla Firefox was seen running | Tue, 08 Feb 10:27:18 AM |
| Last time Mozilla Firefox was seen running | Mon, 21 Feb 12:55:21 PM |



Software Usage Analysis



License Information by Application

| Publisher |
|---|
| Microsoft Corporation |
| BigFix Inc. |
| Adobe Systems Incorporated |
| Computer Associates International, Inc. |
| 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 |
| Viewpoint Corporation |

BigFix DSS Software Asset Management

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

License Information by Application Hierarchy

All > Microsoft Corporation

| Software title | Total Computer | Total Runs | Total Time | Average Runs |
|--|----------------|------------|----------------------|--------------|
| Internet 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 Developer Platform Installer | 52 | 1 | 12 secs | |

| ago | Used 4 weeks ago |
|-----|------------------|
| 29 | 31 |
| 121 | 129 |
| 12 | 13 |
| 38 | 38 |
| 11 | 11 |
| 1 | 2 |
| 68 | 69 |
| 3 | 3 |
| 47 | 47 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 17 | 17 |
| 1 | 1 |
| 28 | 28 |
| 0 | 0 |
| 10 | 12 |
| 3 | 3 |
| 0 | 0 |
| 19 | 19 |
| 14 | 14 |
| 10 | 10 |
| 12 | |
| 6 | |
| 0 | |
| 1 | |
| 1 | |
| 15 | |
| 2 | |
| 0 | |
| 1 | |
| 7 | |

BigFix DSS Software Asset Management

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

License Information 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

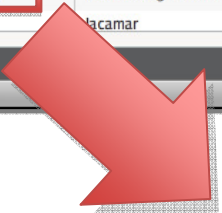
Overview Drill Down by Software View All Computers Contract Report Contracts Software Catalog

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.com | 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 15:29:00 | 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 16:06:00 | 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.com | 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 | SNIFE | 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 22:02:00 | 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 5.2.3791 | 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 | JOB | 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 21:13:00 | 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.com | 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 |
| Microsoft Excel 2003 | 192.168.213.1 | JACAMAR | jacamar | WinXP-2003 5.2.3791 | 6/3/2008 23:47:00 | 8/5/2008 19:42:00 | 7 wks 1 days | 50 | <1 | 1 days 0 hrs 15 mins |

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Transferring data from dss-sam-vm.bigfix.com...





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 | 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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Transferring data from dss-sam-vm.bigfix.com...



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



| Name | Source Sev... | Site | Applicable Com... | Open Action Co... | Category | Download |
|---|---------------|---------------------|-------------------|-------------------|-----------------|----------|
| 925336: Update for Windows Installer - Windows Server 2003 SP1/SP2 | Critical | Patches for Wind... | 1 / 93 | 0 | Hotfix | 873 KB |
| MS01-056: "Unchecked Buffer" in Windows Media Player .ASF Processor - ... | Critical | Patches for Wind... | 2 / 93 | 0 | Security Hotfix | 1.94 MB |
| MS02-008: XML Core Services 4.0 XMLHTTP Control - Windows XP | Critical | Patches for Wind... | 8 / 93 | 0 | Security Hotfix | 4.46 MB |
| MS02-029: Unchecked Buffer in RAS Phonebook for Windows 2000 | Critical | Patches for Wind... | 1 / 93 | 0 | Security Hotfix | 0.99 MB |
| MS02-029: Unchecked Buffer in RAS Phonebook for Windows XP | Critical | Patches for Wind... | 3 / 93 | 0 | | |
| MS02-048: Flaw in Certificate Enrollment Control Could Allow Deletion of Dig... | Critical | Patches for Wind... | 2 / 93 | 0 | | |
| MS02-055: Unchecked Buffer in Windows Help Facility - Windows XP | Critical | Patches for Wind... | 3 / 93 | 0 | | |
| MS02-063: Unchecked Buffer in PPTP Implementation - Windows XP Gold | Critical | Patches for Wind... | 5 / 93 | 0 | | |
| MS02-063: Unchecked Buffer in PPTP Implementation - Windows XP SP1 | Critical | Patches for Wind... | 6 / 93 | 0 | | |
| MS02-072: Unchecked Buffer in Windows XP Gold Shell | Critical | Patches for Wind... | 6 / 93 | 0 | | |
| MS02-072: Unchecked Buffer in Windows XP SP1 Shell | Critical | Patches for Wind... | 4 / 93 | 0 | | |
| MS03-001: Unchecked Buffer in Windows Locator Service - Windows 2000 | Critical | Patches for Wind... | 1 / 93 | 0 | | |
| MS03-001: Unchecked Buffer in Windows Locator Service - Windows XP | Critical | Patches for Wind... | 5 / 93 | 0 | | |
| MS03-008: Flaw in Windows Script Engine 5.1 Could Allow Code Execution - ... | Critical | Patches for Wind... | 1 / 93 | 0 | | |
| MS03-008: Flaw in Windows Script Engine 5.5 Could Allow Code Execution - ... | Critical | Patches for Wind... | 1 / 93 | 0 | | |
| MS03-008: Flaw in Windows Script Engine 5.6 Could Allow Code Execution - ... | Critical | Patches for Wind... | 4 / 93 | 0 | | |
| MS03-011: Flaw in Microsoft VM Could Enable System Compromise - Window... | Critical | Patches for Wind... | 1 / 93 | 0 | | |
| MS03-017: Flaw with Skins in Windows Media Player 8.0 - Windows XP | Critical | Patches for Wind... | 4 / 93 | 0 | | |
| MS03-023: Buffer Overrun In HTML Converter Could Allow Code Execution ... | Critical | Patches for Wind... | 1 / 93 | 0 | | |
| MS03-023: Buffer Overrun In HTML Converter Could Allow Code Execution ... | Critical | Patches for Wind... | 3 / 93 | 0 | | |

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 Windows Streaming Format (ASF) is a streaming media format supported by Windows Media Player. According to Microsoft, a vulnerability could allow a malicious ASF file to cause Media Player to crash or allow an attacker to run code on the user's computer. After 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 closed until the 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.

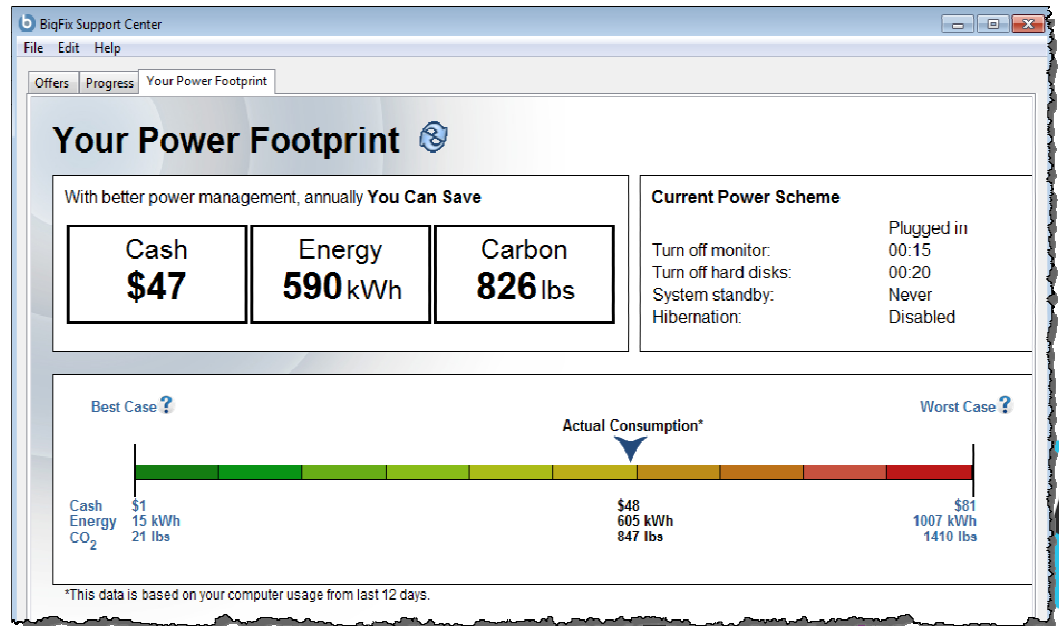


Patch Management

- 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)
 - Real Networks (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

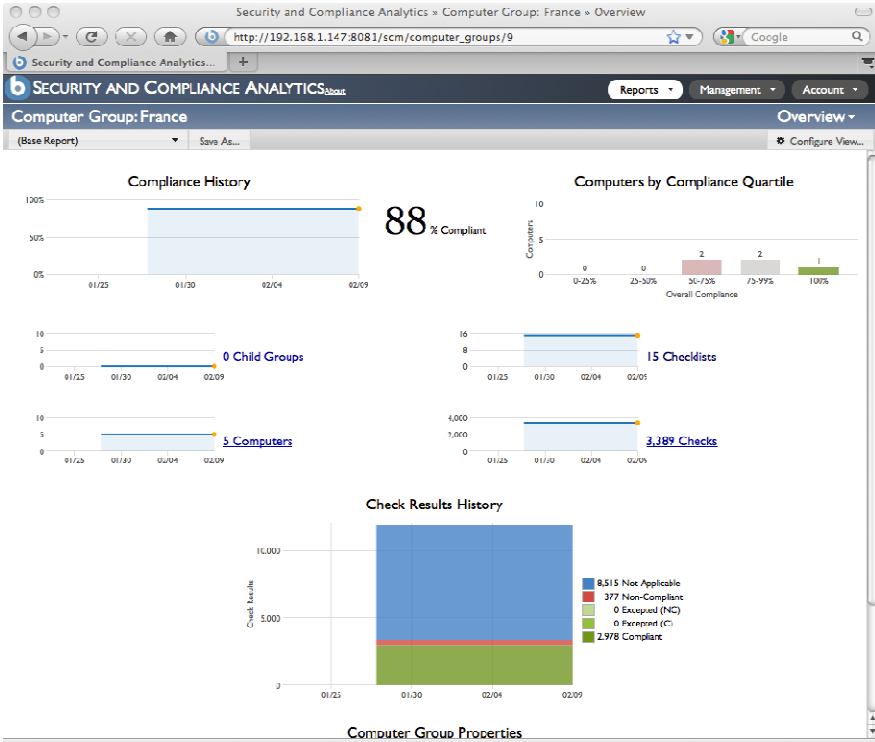


Power Management



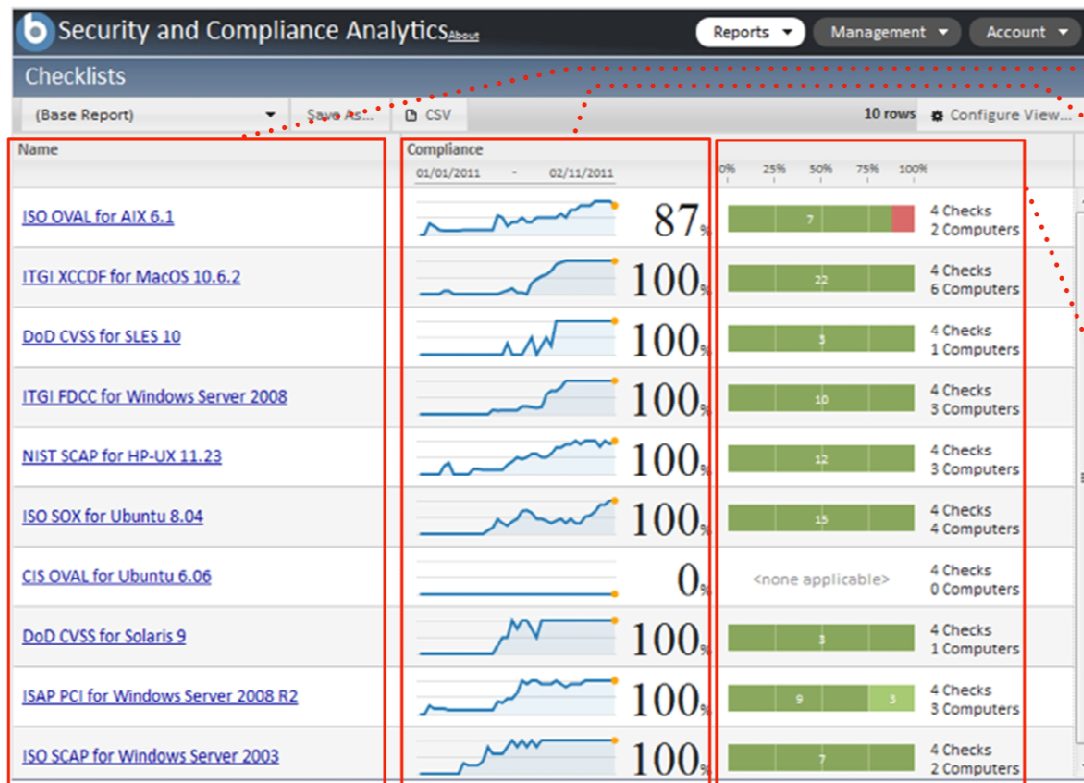


Security Compliance Analytics

| Name | Compliance | 0% | 25% | 50% | 75% | 100% |
| --- | --- | --- | --- | --- | --- | --- |
| [BXIcorp Win2008 Security Policy](#) | 01/22/2011 - 02/09/2011 | 32% | 89 | 184 | 273 Checks | 1 Computers |
| [BXICorp XP Corp Security Policy](#) | | 37% | 208 | 352 | 280 Checks | 2 Computers |
| [BXIcorp XP PCI Security Policy](#) | | 34% | 160 | 302 | 231 Checks | 2 Computers |




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.

| Checklist | Check Name | Computer Name | Last Seen | Compliance |
|-----------------------------|---------------------------------|-----------------|-------------------|---------------|
| ISO OVAL for AIX 6.1 | Administrators Have Right To... | Pamela Collins | about an hour ago | Compliant |
| ISO OVAL for AIX 6.1 | Administrators Have Right To... | Stephen Johnson | about an hour ago | Non-Compliant |
| ISO OVAL for AIX 6.1 | route.exe Permissions | Pamela Collins | about an hour ago | Compliant |
| ISO OVAL for AIX 6.1 | route.exe Permissions | Stephen Johnson | about an hour ago | Compliant |
| ISO OVAL for AIX 6.1 | ClipBook Service Disabled | Pamela Collins | about an hour ago | Compliant |
| ISO OVAL for AIX 6.1 | ClipBook Service Disabled | Stephen Johnson | about an hour ago | Compliant |
| ISO OVAL for AIX 6.1 | Do Not Show First Use Dialog... | Pamela Collins | about an hour ago | Compliant |
| ISO OVAL for AIX 6.1 | Do Not Show First Use Dialog... | Stephen Johnson | about an hour ago | Compliant |
| ITGI XCCDF for MacOS 10.6.2 | attrib.exe Permissions | Patrick Young | about an hour ago | Compliant |
| ITGI XCCDF for MacOS 10.6.2 | attrib.exe Permissions | Michelle Green | about an hour ago | Compliant |



SCM Reports - FRIT Win XP Pro Workstation

Filters: Source Site (All | None)

- FRIT Windows 2003 Server Security Test
- FRIT Windows XP Professional Worksta
- Jeffy Staples AIX 5.3
- SCM Checklist for D15A ST10 on Solaris
- SCM Checklist for D15A ST10 on Windows
- SCM Checklist for FDCC on Windows Te
- Staples SCM Checklist on AIX 5.1 Test
- Staples SCM Checklist on AIX 5.2
- Staples SCM Checklist on AIX 5.2 Test
- Staples SCM Checklist on AIX 5.3 Test
- Staples SCM Checklist on Windows 200
- UNIX_SCM

Check OS (All | None)

- Windows XP

Check Type (All | None)

- Application Log
- Event Audit
- File Security
- Placeholders
- Privilege Rights
- Registry Values
- Security Log
- System Access
- System Log

Non-Compliant Computers

0 4

Computer Filters (Add)

Windows Machines

| Component Name | Non-Compliant | Applicable | Category | Identifier | OS | Standard | Enabled |
|---|---------------|------------|---------------|-------------|------------|--------------|-------------------------------------|
| Control-016.004 - Minimum Password Length - Windows XP | 3 | 6 | System Acce | Control-016 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.030 - Network access: Sharing and security model for local accounts - | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-016.000 - Minimum Password Age - Windows XP | 3 | 6 | System Acce | Control-016 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-017.000 - Account lockout duration - Windows XP | 3 | 6 | System Acce | Control-017 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.031 - Network security: Do not store LAN Manager hash value on netw | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.010 - Devices: Unsigned driver installation behavior - Windows XP | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.020 - Network access: Do not allow storage of credentials or .NET Pas | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.017 - Interactive logon: Do not display last user name - Windows XP | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.027 - Network security: Do not allow anonymous enumeration of SAM | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.012 - Interactive logon: Message text for users attempting to log on | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.022 - Network security: LAN Manager Authentication Level - Windows | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |
| Control-020.021 - Interactive logon: Number of previous logons to cache (in case | 3 | 6 | Registry Val. | Control-020 | Windows XP | FRIT Windows | <input checked="" type="checkbox"/> |

Current Compliance Level

67.04%

Cumulative Compliance State

Computers by Compliance Percentage

Non-Compliance by Category

Average Compliance by Category

Top 10 Non-Compliant Controls

| Component Name | Non-Compliant System | Compliant Systems | Compliance Percentag |
|-----------------------|----------------------|-------------------|----------------------|
| Control-020.001 - Maj | 3 | 3 | 50.0% |
| Control-016.004 - Min | 3 | 3 | 50.0% |
| Control-020.030 - Net | 3 | 3 | 50.0% |
| Control-016.003 - Min | 3 | 3 | 50.0% |
| Control-017.001 - Acc | 3 | 3 | 50.0% |
| Control-020.031 - Net | 3 | 3 | 50.0% |
| Control-020.010 - Dev | 3 | 3 | 50.0% |
| Control-020.020 - Net | 3 | 3 | 50.0% |
| Control-020.017 - Int | 3 | 3 | 50.0% |
| Control-020.027 - Net | 3 | 3 | 50.0% |

Average Compliance by Operating System

Show Non-Compliant Systems Show Compliant Systems

IBM Tivoli® Endpoint Manager





Endpoint Protection

BigFix Enterprise Console

File Edit View Go Tools Help

Back Forward Show Hidden Content Show Non-Relevant Content Refresh Console

Endpoint Protection << Client Manager for Endpoint Protection Overview

- Endpoint Protection Domain
 - Client Manager for Endpoint Protection
 - CMEP Overview
 - Warnings (38)
 - Reports (2)
 - Product Updates (7)
 - Manage Definition Updates (31)
 - Manage Scanning (1)
 - Configuration (0)
 - Deploy AV applications (2)
 - Troubleshooting (24)
 - Device Control
 - All Endpoint Protection

Anti-Virus Health Status

| Health Status | Count |
|-----------------|-------|
| Healthy | 258 |
| Old Definitions | 49 |
| AV Stopped | 110 |
| Other / None | 1 |

■ Healthy
 ■ Old Definitions
 ■ AV Stopped
 ■ Other / None

Anti-Malware Vendor Products Installed

| Vendor | Count |
|-------------------|-------|
| McAfee | 1 |
| Symantec | 0 |
| Trend Micro | 1 |
| Sophos | 0 |
| eTrust | 1 |
| Proventia Desktop | 0 |
| Windows Defender | 0 |

Anti-Virus Deployment Information

| | |
|--|-----|
| BES Agents Deployed | 259 |
| Computers with Anti-Virus | 1 |
| Anti-Virus Agents Deployed (incl multiple AV per computer) | 2 |
| Computers with Multiple Anti-Virus Agents Deployed | 1 |

Anti-Malware Latest Available Definition

| | |
|-------------|------------------|
| McAfee | Fri, 30 Jul 2010 |
| Symantec | Fri, 30 Jul 2010 |
| Trend Micro | Fri, 30 Jul 2010 |
| Sophos | n/a |
| eTrust | Fri, 30 Jul 2010 |

Connected to database 'bfenterprise' as user 'jim_resch'



Excel Connector

The screenshot shows the Microsoft Excel interface with the BigFix Connector ribbon active. The ribbon includes buttons for: 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, and About BigFix Connector. The Query Wizard dialog box is open, displaying a list of BigFix Session Inspector Objects. The object 'BES Computers' is selected and highlighted with a red box. The dialog also shows the Microsoft Excel Version as 12.0 - 2007 and navigation buttons for '< Back', 'Next >', and 'Cancel'.

| Object Name |
|---------------------------|
| BES Actions |
| BES Computer Groups |
| BES Computers |
| BES Custom Sites |
| BES Fixlets |
| BES Properties |
| BES Sites |
| BES UnmanagedAsset Fields |
| BES UnmanagedAssets |
| BES Users |
| Results of BES Actions |
| Results of BES Fixlets |





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

Selected: 8

Computer Name
IP Address
OS
RAM
Active Directory OU
CPU
Total Size of System Drive
BIOS

Group Analysis Properties (Versus Alphabetical)

Null Substitution: <none>

Concatenate Multi-Value Results: %0A

Autofit Row Height, Maximum Pts: 100

Select All Unselect All Expand All

< Back Next > Cancel

Query Wizard - BigFix Excel Connector v3.1

Add Filter Criteria to BES Computers:

Add Filter

Select Property: Computer Groups Set Operator: = Enter Value:

- 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

| Computer Name | IP Address | OS | RAM | Active Directory OU | CPU | Total Size of System Drive | BIO |
|-----------------|---|------------------|---------|--|---------------------|----------------------------|------|
| 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 | 09/: |
| 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 | 05/: |
| MS1 | 192.168.32.21 | Win2003 5.2.3790 | 1568 MB | CN=Computers,DC=remlab,DC=local | 2500 MHz Core 2 Duo | 40950 MB | 12/: |
| WS1 | 192.168.32.31 | WinXP 5.1.2600 | 512 MB | <none> | 2500 MHz Core 2 Duo | 30707 MB | 12/: |





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

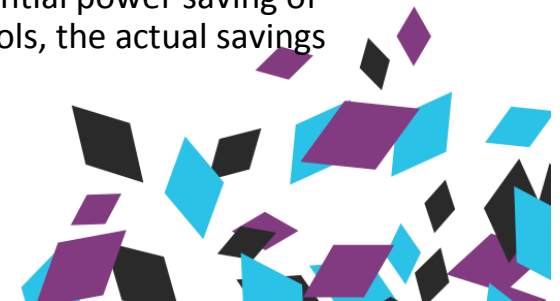
■ Business Challenges & Requirements

- 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: Computers with System Standby enabled: 13207 of 89513 - 14%

Electricity Cost: \$/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 CO₂ Emissions Average computer powered-on time per day: 20:46:00 - (87% of a day)

Minimum Power Consumption² Full Power Consumption³

Current Power Usage (35th percentile)

2,468,811 kWh (\$246,881) 4,616,550 kWh (\$461,655) 8,675,091 kWh (\$867,509)

Monthly Potential Power Savings¹: 2,147,739 kWh : \$214,774 (47%)

Aggregate Statistics

Powered-on Computers
(Tue Sep 25 04:00:00 EDT 2007 - Tue Oct 2 04:00:00 EDT 2007)

Last 7 Days

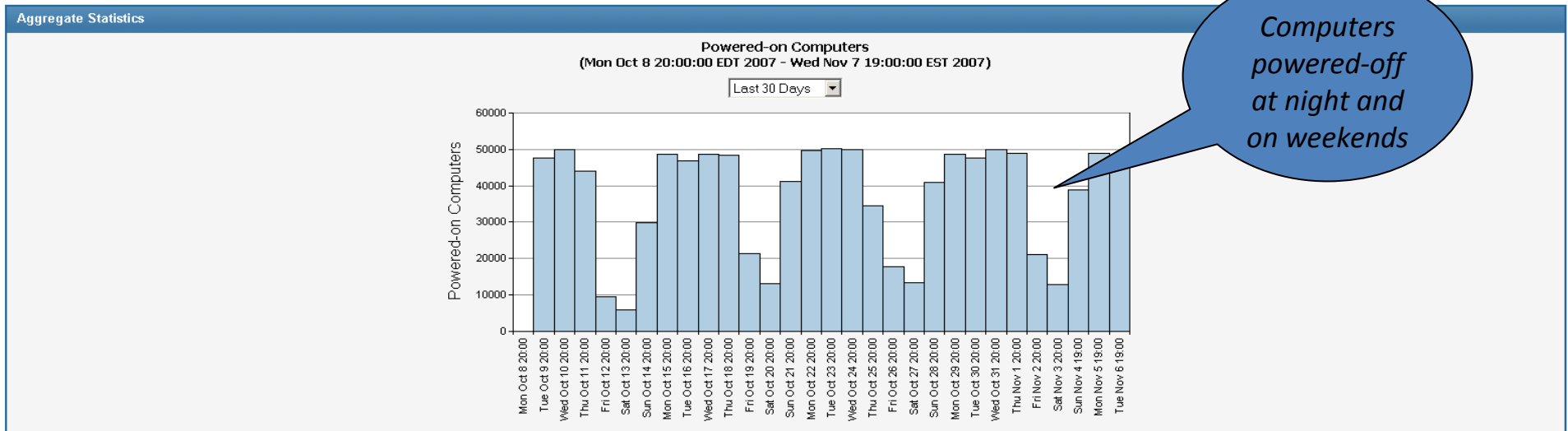
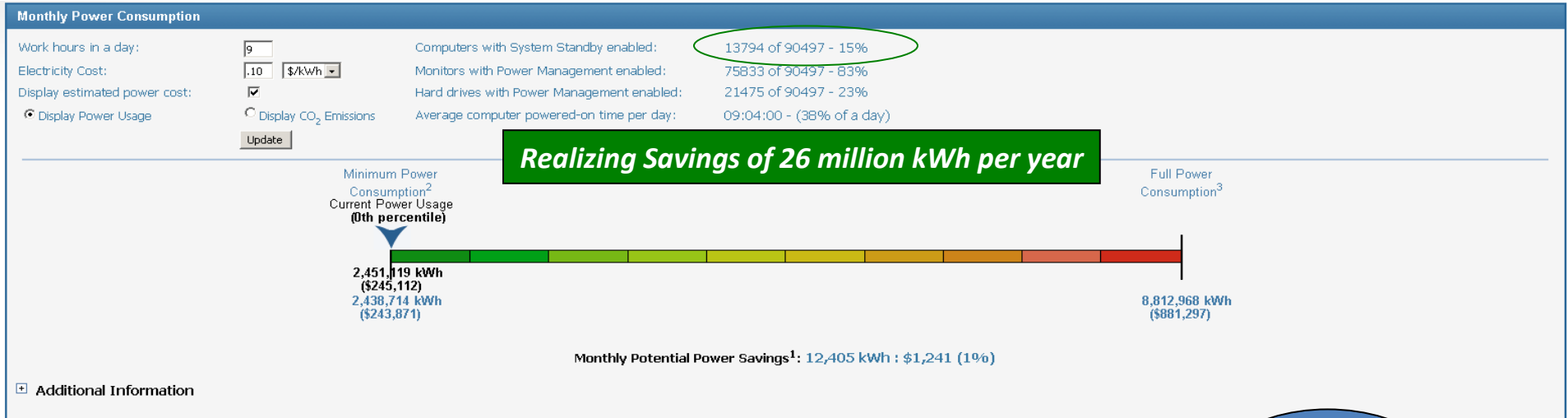
Powered-on Computers

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

