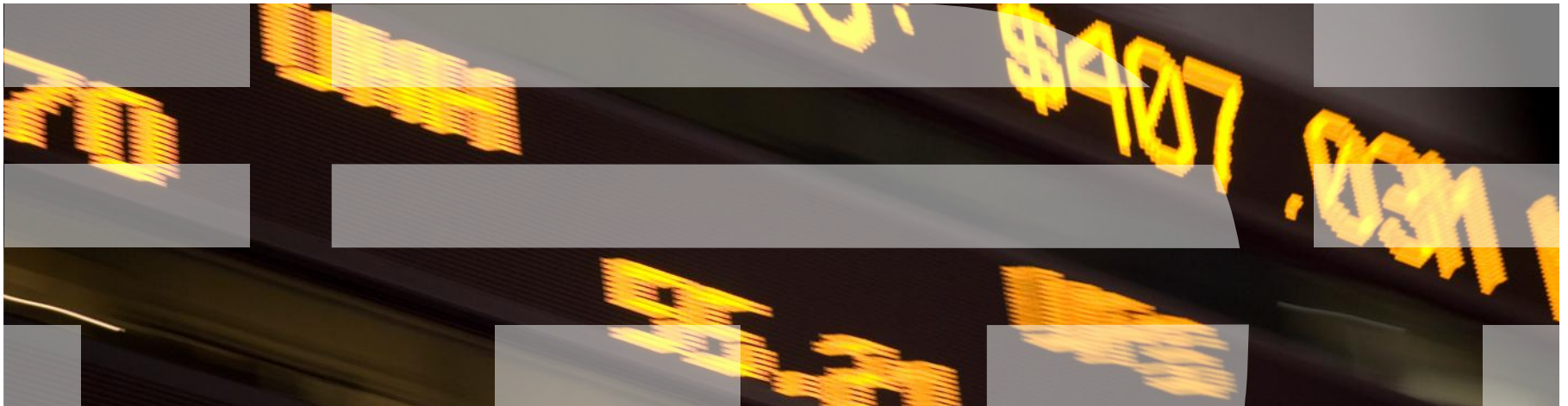


Green Computing

Reducción del consumo eléctrico en el CPD

Un caso de referencia



IBM Systems Director

... la fuerza integradora en el Datacenter

Platform Management
& Energy

Gestión unificada de sistemas, energía, storage, redes y recursos virtuales.

Director, AEM, TPC

Security

Con herramientas de auditoría y seguridad.

Director

Availability

Continuidad excepcional y planificada del negocio y el Datacenter. XIV, SONAS, HPC, Power HA, ProtecTIER

Operating Systems

Extender el liderazgo en performance con ambientes escalables, seguros y eficientes.

AIX, i, Linux, VMware, Windows

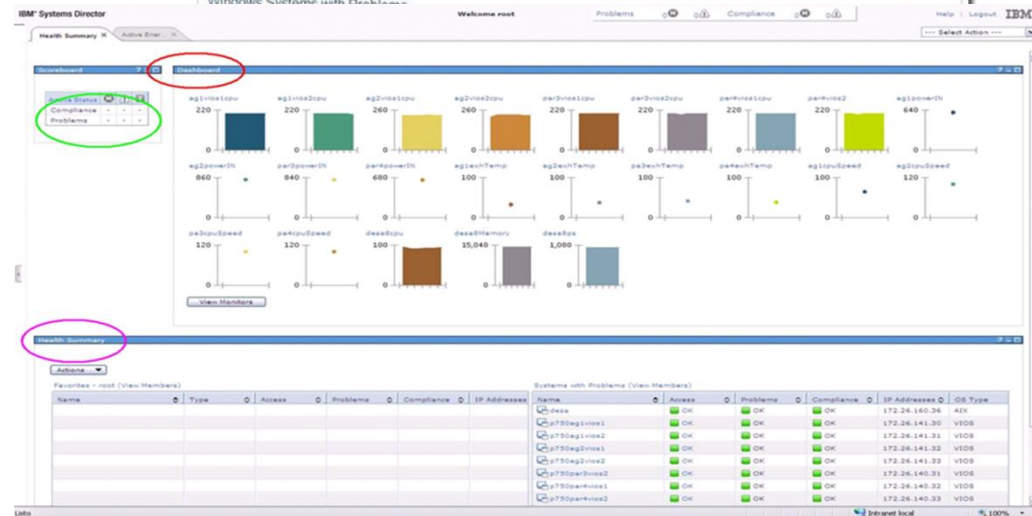
Virtualization

Ofrecer tecnologías de consolidación y virtualización sin rival, para cortar los costos del Datacenter.

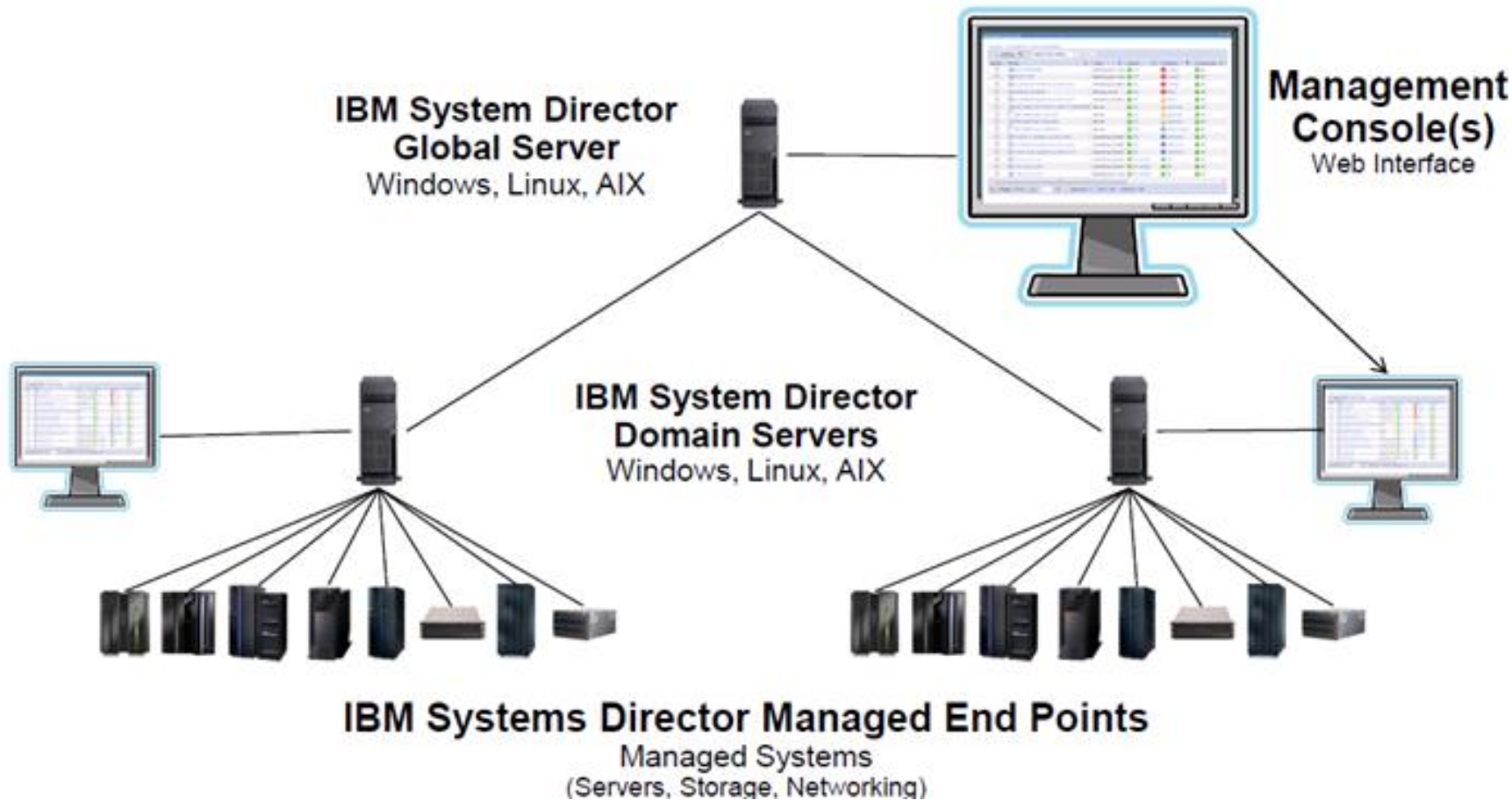
VMControl, Power VM, Network Control, z/VM, BOFM, SVC

IBM Systems Director Le ayuda a ser mas eficiente

- Mejora la automatización
 - Agrupación de recursos por varios criterios
 - Tablas con medidores varios
 - Planes de automatización
- Foco en salud y status de sistemas
 - Vistas de equipos favoritos
 - Iconos según tipo de sistema
 - Cree monitores y umbrales con alertas
- Se integra con gestión de virtualización
- Usa estándares de la industria
- Soporte para muchas plataformas usando una sola consola gráfica.



IBM Systems Director Topología



IBM Systems Director Advanced Managers (Plug-ins)

- Un plug-in para IBM Systems Director es software que se instala sobre el base
- Entrega funcionalidades adicionales para resolver desafíos específicos
- Mantiene una visión común a través de las tareas y capacidades comunes con el base

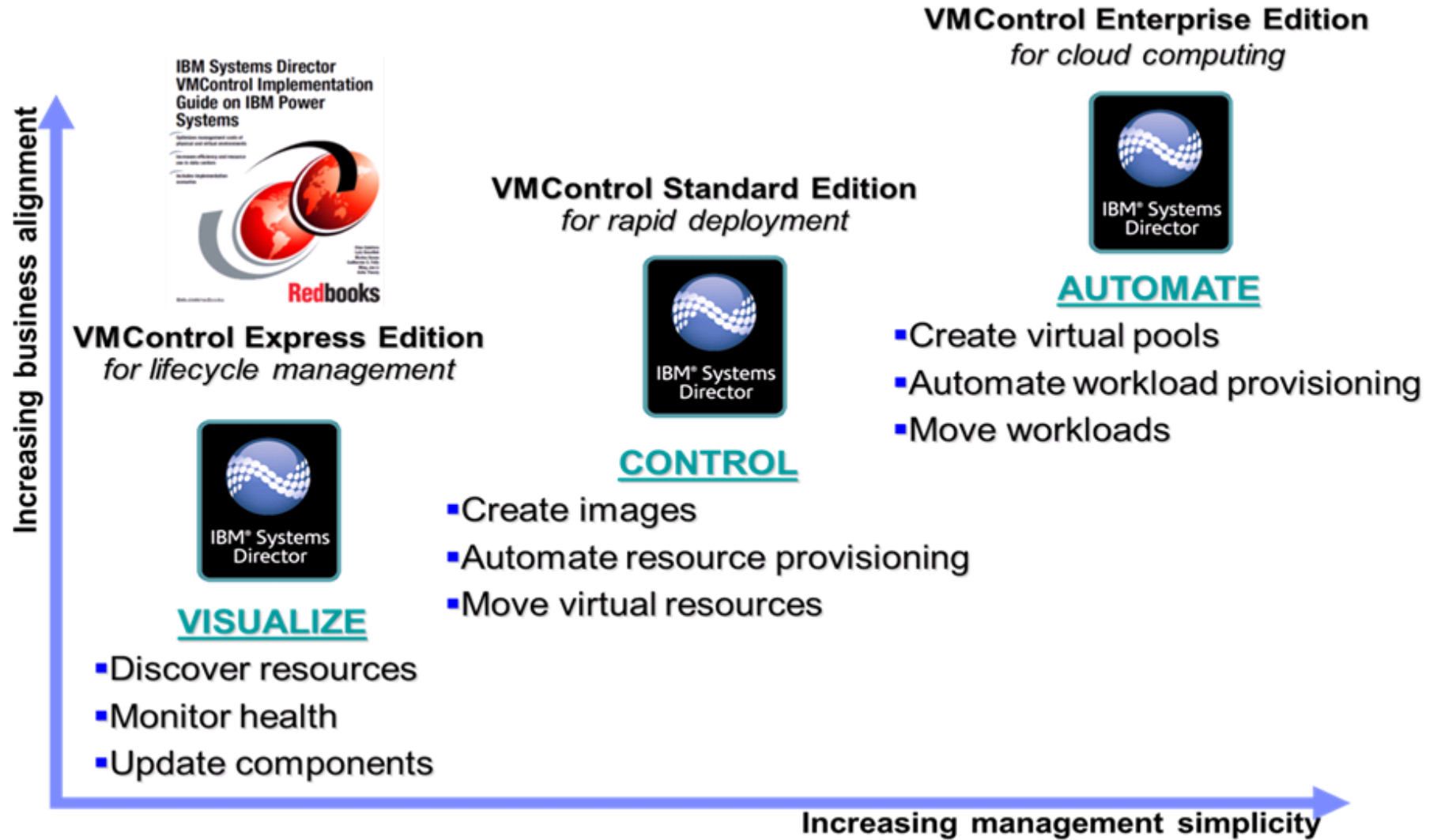


IBM Systems Director Service and Support Manager

- Coloca llamadas automáticas a IBM si la máquina está en contrato de MTS.
- Recolecta información del problema
- Se comunica con IBM usando un canal encriptado (a través de internet)
- Incluye opciones de enviar e-mails cuando se detecta un evento para ser atendido y recibe el número de caso



IBM Systems Director VMControl



IBM Systems Director Network Control

- Administración de switches de red
 - Descubrimiento e inventario
 - Ver problemas y eventos
 - Monitores, Umbrales, y planes de automatización
 - Integración con herramientas de otros vendors
 - Diagnósticos de red, ping, traceroute
- Configuración de VLANS
- Vista topológica virtual y física
 - Vista por VLAN
 - Vista por subnet



IBM Systems Director Storage Control

- Descubrimiento, monitoreo, configuración de subsistemas de storage, desde niveles entry hasta high-end
- Descubrimiento, monitoreo, configuración de switches de fibra.



IBM Systems Director Plug-ins adicionales

- IBM Workload Partitions Manager
 - Administración de wpars
 - Balanceo de carga global con movilidad de aplicaciones
 - Monitoreo y reporte de las métricas de las WPARs
- IBM Systems Director PowerHA SystemMirror for AIX
 - Administra la Interfaz para PowerHA SystemMirror for AIX
 - Provee setup y administración de su solución de HA
- AIX Profile Manager
 - Distribuido con AIX Standard y Enterprise Editions
 - Provee vistas de “dashboard” y configuración de profile manager
- Transition Manager para HP SIM
 - Implementa la transición de sistemas desde SIM

IBM Systems Director

www.ibm.com/systems/software/director

IBM
United States [change] [Mexico]

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Welcome Mr. Pablo Pereira [Not you?] [IBM Sign out]

IBM Systems Director

Systems Director Editions

Active Energy Manager

Network Control

VMControl

Storage Control

Service & Support Manager

Downloads

IBM Systems > Software >

IBM Systems Director



Reduces complexity and costs, increases efficiency

[→ Read more on new Systems Director announcements](#)



Related links

- Power Systems
- IBM PowerLinux
- System x
- System z
- BladeCenter
- Storage
- Tivoli

Overview
Products
Resources

IBM Systems Director® is the platform management backbone to achieve Smarter Computing. An integral component of the IBM Smarter Systems portfolio, IBM Systems Director enables **integration** with Tivoli, and third party management platforms, providing the building block for integrated services management. With Systems Director you can:

- Automate data center operations by implementing cloud-ready virtual infrastructures
- Unify the management of physical and virtual resources for IBM servers, storage and networks
- Simplify the management of optimized systems
- Achieve a single view of the actual energy usage throughout your data center

IBM Systems Director provides systems management personnel with a **single pane of glass**, helping **reduce IT management complexity and cost**. Key IBM Systems Director capabilities include:

- **Simple Lifecycle Management of your workloads with intuitive usability and reduced complexity** – IBM Systems Director offers a core, comprehensive, unified systems

Learn more

 [IBM Systems Director white paper \(1MB\)](#)

 [IBM Systems Director: Optimized and simplified management of IT infrastructures datasheet \(336KB\)](#)

We're here to help



Call us at

1-866-883-8901

Priority code:

600AA17W

 [E-mail IBM](#)

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Pulse 2012 Customer Story

BC Jindal Group CIO discusses IBM Systems Director

 [Watch video \(00:03:21\)](#)

Announcing IBM PowerLinux

Optimized to securely control x86 server sprawl

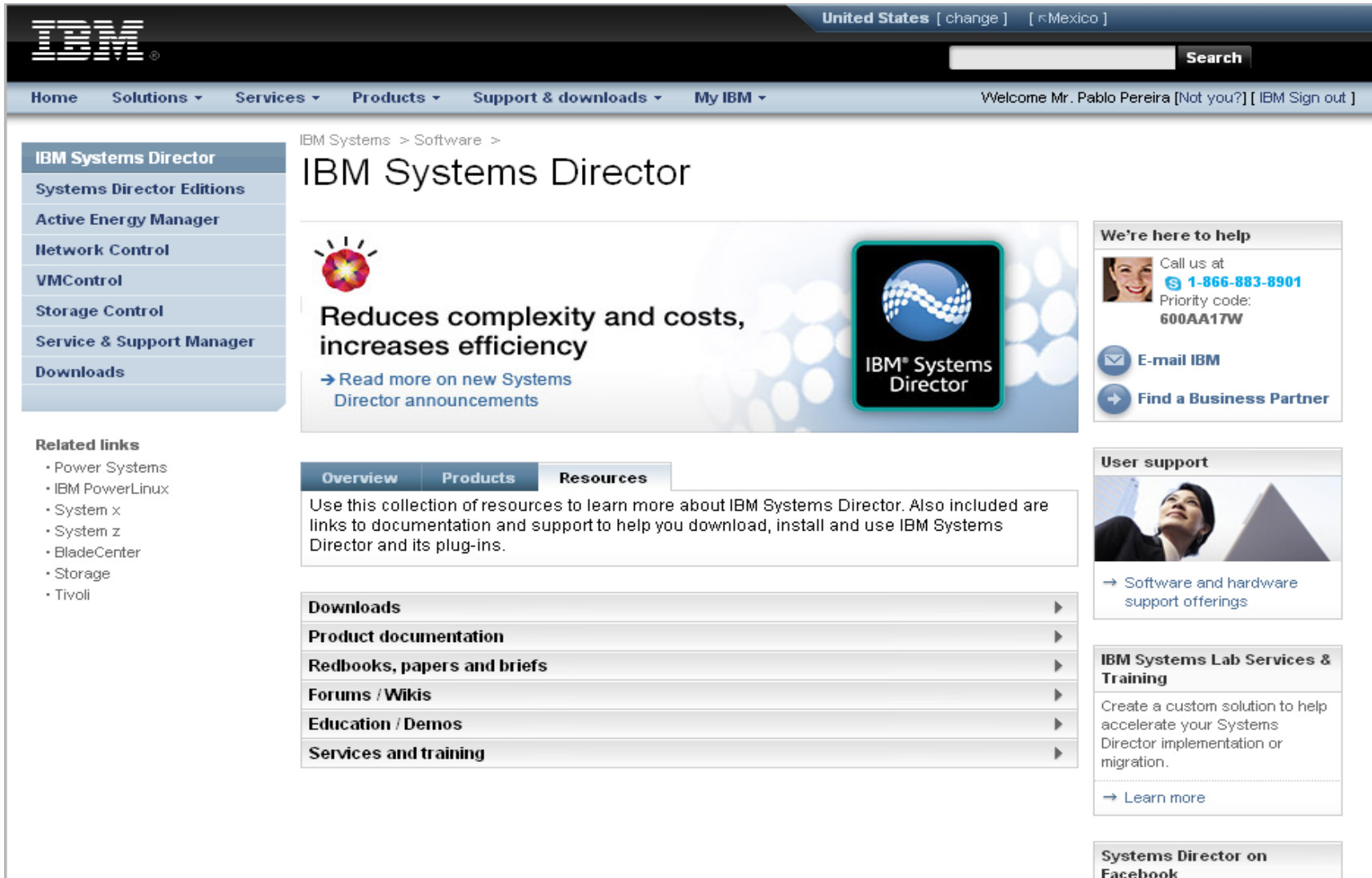
[→ Learn more about PowerLinux](#)

Explore IBM Systems Director



IBM Systems Director

www.ibm.com/systems/software/director



The screenshot shows the IBM Systems Director website interface. At the top, there is a navigation bar with the IBM logo on the left, the text "United States" with a "change" link, and a "Mexico" link. A search bar is located on the right side of the navigation bar. Below the navigation bar, there is a secondary navigation bar with links for "Home", "Solutions", "Services", "Products", "Support & downloads", and "My IBM". A welcome message "Welcome Mr. Pablo Pereira [Not you?] [IBM Sign out]" is displayed on the right side of this bar.

The main content area features a left-hand navigation menu with the following items: "IBM Systems Director", "Systems Director Editions", "Active Energy Manager", "Network Control", "VMControl", "Storage Control", "Service & Support Manager", and "Downloads".

The main heading is "IBM Systems Director". Below it, there is a large banner with a sun-like icon on the left and the text "Reduces complexity and costs, increases efficiency". A link "Read more on new Systems Director announcements" is provided. On the right side of the banner is the IBM Systems Director logo.

Below the banner, there are three tabs: "Overview", "Products", and "Resources". The "Resources" tab is selected, and its content reads: "Use this collection of resources to learn more about IBM Systems Director. Also included are links to documentation and support to help you download, install and use IBM Systems Director and its plug-ins."


Below the resources section, there is a list of links with right-pointing arrows:

- Downloads
- Product documentation
- Redbooks, papers and briefs
- Forums / Wikis
- Education / Demos
- Services and training

On the right side of the page, there are several utility boxes:

- We're here to help**: Includes a "Call us at" section with the phone number "1-866-883-8901" and priority code "600AA17W". It also has links for "E-mail IBM" and "Find a Business Partner".
- User support**: Features a photo of a woman looking up and a link "Software and hardware support offerings".
- IBM Systems Lab Services & Training**: Includes the text "Create a custom solution to help accelerate your Systems Director implementation or migration." and a "Learn more" link.
- Systems Director on Facebook**: A link to the product's Facebook page.

IBM Systems Director Director Forum


Country/region [select] [Mexico]

Search

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developerWorks > IBM Systems > Forums >
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IBM Systems Director Forum (System x, System z, Power Systems)

RSS

! Update My dW interests (Log in | What's this?)


Search for within IBM Systems Director Fo Go

This forum provides a place for all IBM System Director discussion topics. Post your IBM System Director questions and comments, and share your thoughts, ideas, and solutions with other users.


By using this forum, you agree to abide by the [forum etiquette](#) and that you understand the [Terms of Use](#) governing this web site.

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Messages: 19,378 ~ Threads: 5,908 ~ Filter: All Threads ~ Pages: 394 - [1 2 3 4 5 | Next]

		Threads	Author	Views	Replies	Last Post
?	?	Serial console fails to start	robinsguk	34	0	Aug 03, 2012 03:13:24 AM Last Post By: robinsguk
?	?	Incorrect Gauge Name	Tom McMahan	62	0	Aug 01, 2012 02:11:08 PM Last Post By: Tom McMahan
?		Trial of VMcontrol Ent after using Express	robinsguk	98	2	Aug 01, 2012 11:58:11 AM Last Post By: robinsguk
?	★	ISD 6.3 receiving SNMP traps - conflicting information	robinsguk	167	2	Jul 31, 2012 12:38:29 PM Last Post By: robinsguk
?	?	Storage control and stowize v7000 	bang.nn	3,625	9	Jul 31, 2012 09:46:39 AM Last Post By: gcorneau
?	?	Requirement Agent on vCenter 4.0	CFCD_Ye_Htun	171	2	Jul 31, 2012 02:22:31 AM Last Post By: CFCD_Ye_Htun
?		IBM Director 6.1 auto discovery and loading inventory				Jul 28, 2012 12:55:33 PM

Tags ?



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6.1
7
8
access
aix
ajax
and
api
application
business
CICS
clearcase
cognos
command
community
configuration
content
custom
data

More **Less**

IBM Systems Director YouTube

Watch now: Metric performs live at Lollapalooza.

YouTube

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42ppereira

IBM Systems Director + Suscribirse

43 suscriptores 2895 reproducciones de video

Feed Videos

Buscar en el canal

Videos subidos (27) Fecha (de más recientes a más antiguos)

Videos subidos

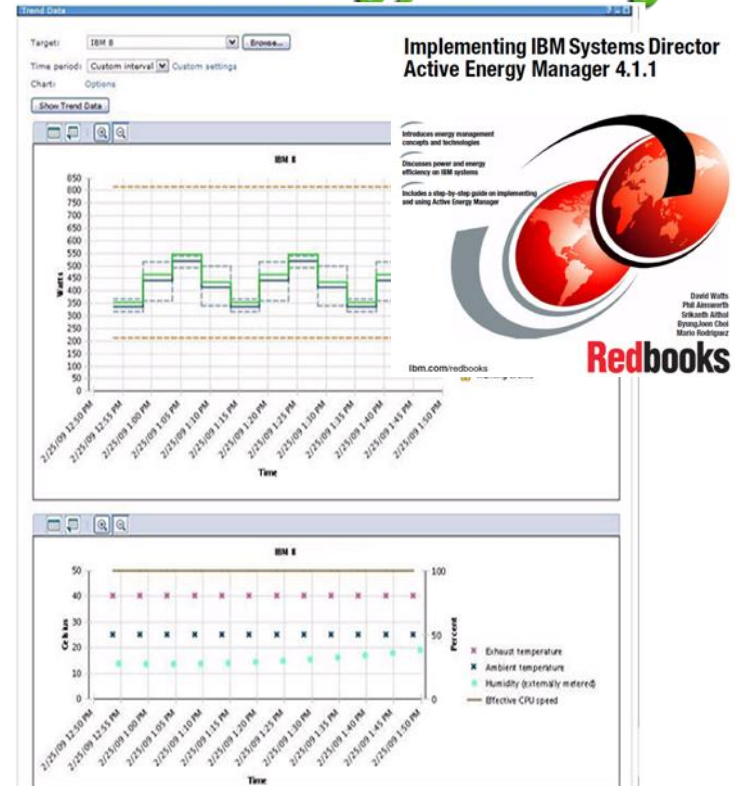
- IBM Systems Director Initial Setup** 18:16
210 reproducciones hace 1 mes
- IBM Systems Director Console** 2:37
102 reproducciones hace 1 mes
- IBM Systems Director 6.3 Event Thr...** 16:45
343 reproducciones hace 3 meses
- Setup and Configuration** 12:58
- Storage Management** 2:57
- Security Summary** 18:44

IBM Systems Director Active Energy Manager



- AEM ayuda a monitorear, medir y controlar el uso de energía
- AEM soporta todas las plataformas IBM
- Monitorea el uso de energía de cualquier equipamiento conectado a unidades tipo PDU+
- Pasa los servidores a modo de ahorro de energía en momentos de baja utilización
- Establece límites de energía para servidores asignando menos potencia y enfriamiento
- Monitorea temperaturas de entrada y salida de los servidores
- Se integra con vendedores de infraestructura y fabricantes de PDU's, sensores y medidores
- Todos los datos son accesibles por Tivoli

Active Energy Manager



IBM Systems Director Active Energy Manager



- Aplica topes de uso de energía que los servidores no excederán en su configuración máxima o...
- Setea un límite “soft” para ahorro de energía
- Optimiza para maximizar la performance o el ahorro de energía
- Setea reducción fija de energía del procesador o ajusta dinámicamente la energía basado en la utilización
- Ingreso de la altitud para optimización de los ventiladores
- Accesible a través de la consola o de línea de comando
- Calculadora de consumo de energía
- Calculadora de ahorro de energía
- Monitoreo de consumo de energía y disipación de calor



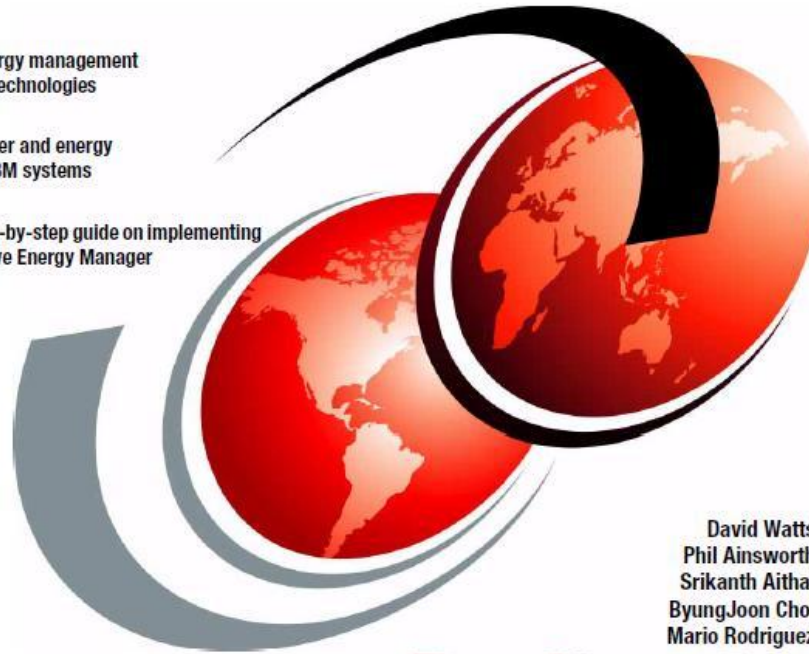
IBM Systems Director Active Energy Manager – Redbook (www.redbooks.ibm.com)

Implementing IBM Systems Director Active Energy Manager 4.1.1

Introduces energy management
concepts and technologies

Discusses power and energy
efficiency on IBM systems

Includes a step-by-step guide on implementing
and using Active Energy Manager



David Watts
Phil Ainsworth
Srikanth Aithal
ByungJoon Choi
Mario Rodriguez

ibm.com/redbooks

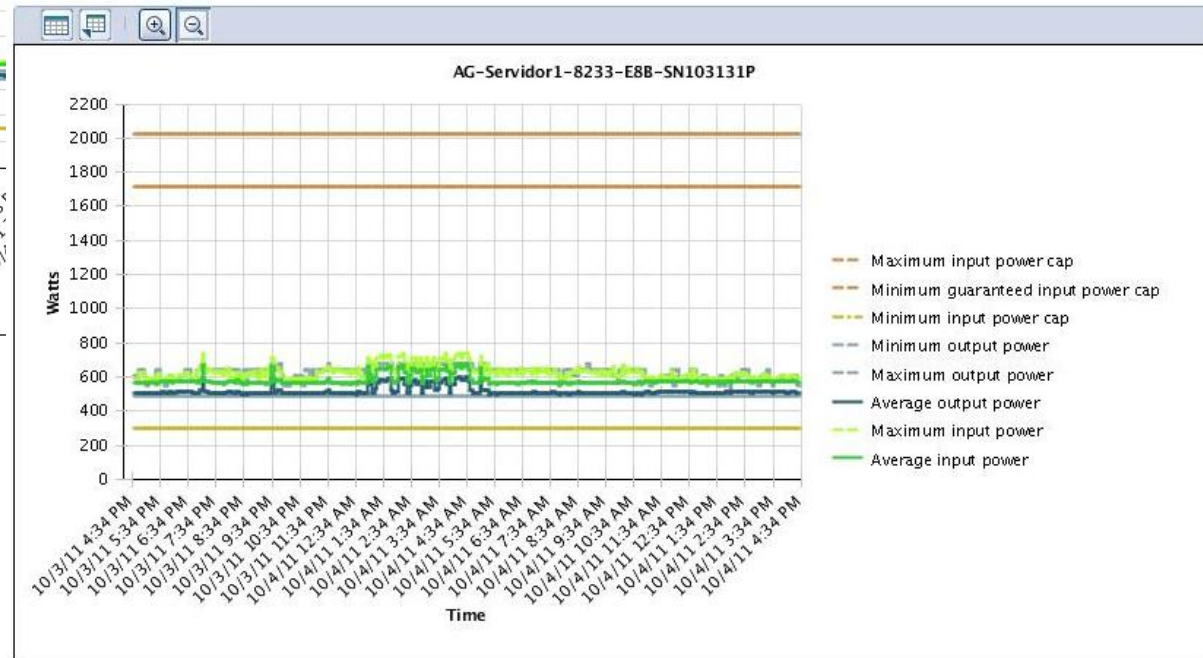
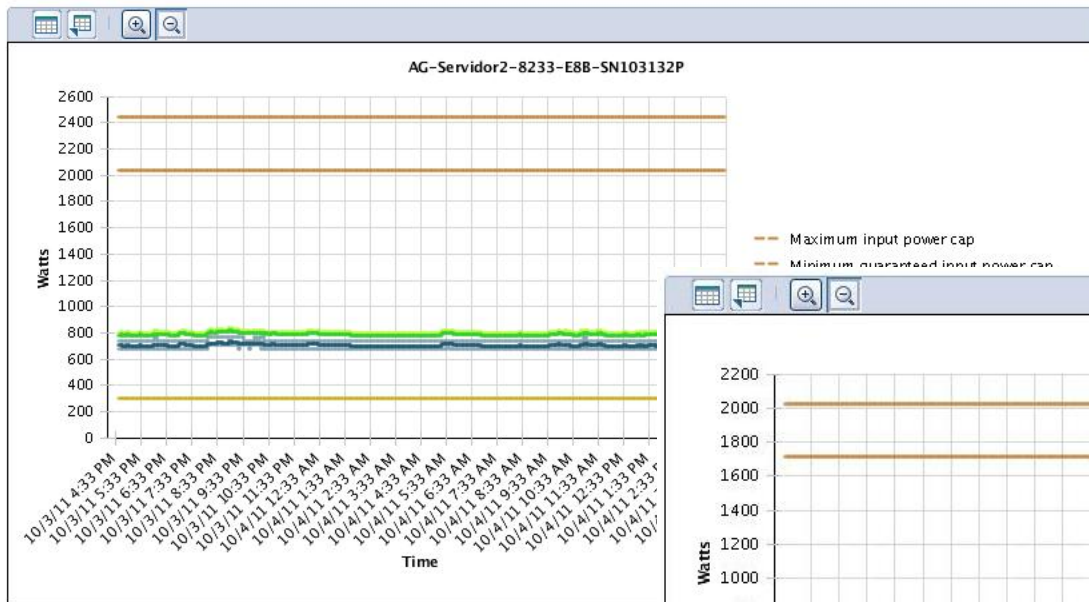
Redbooks

IBM Systems Director Active Energy Manager – Prueba de Concepto



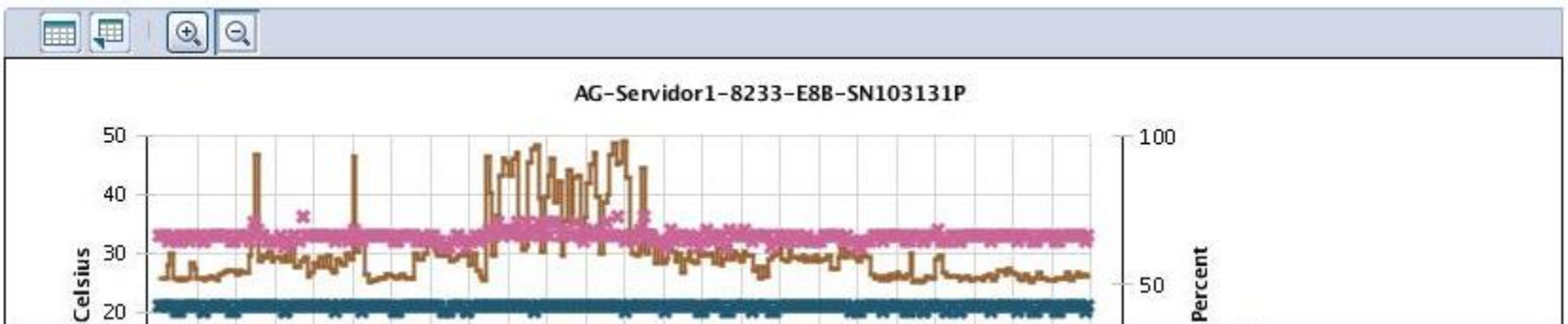
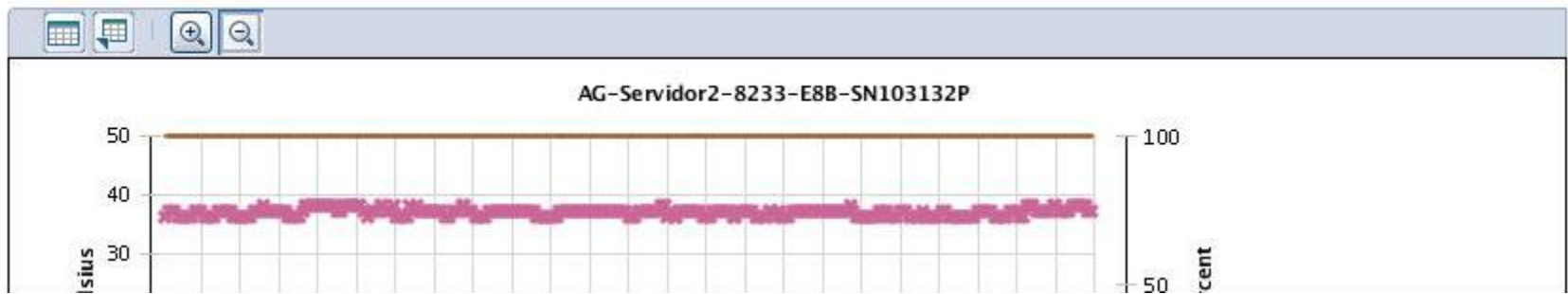
IBM Systems Director Active Energy Manager

■ Gráficos de consumo de energía



IBM Systems Director Active Energy Manager

- Gráficos de uso de cpu y disipación de calor



IBM Systems Director Active Energy Manager

- Calculadora de costo de energía

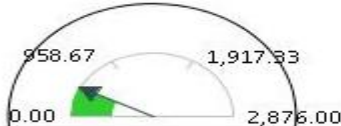
Energy Cost Calculator

Target
To display metered energy and its corresponding cost, choose a target resource and time period. If the resource cost properties f

Target: [Cost properties](#)

Time period:

Energy



Nameplate power: 2,876 kilowatt-hours
Metered input power: 428.374 kilowatt-hours

Energy Cost

Energy price:	\$0.25
Cooling rate multiplier:	1.5
Nameplate energy cost:	\$1,797.50
Metered energy cost:	\$267.73

IBM Systems Director Active Energy Manager

■ Calculadora de ahorro de energía

Target

To calculate energy saved from power savings modes, choose a target resource and time period. If the resource cost properties have not been set, use the cost properties link to set them before calculating the cost.

Target: [Cost properties](#)

Past Savings Future Savings

Time period:

Estimated average system utilization:

Start time: Friday, October 7, 2011 3:23:55 PM
 Stop time: Monday, November 7, 2011 3:23:55 PM
 Utilization value: 60
 Savings Calculator Capable Servers: 4
 Submitted Active Energy Servers: 4



Name	Time Enabled	Energy	Cost Savings	Cost Static Power	Energy Dynamic	Cost Dynamic	Energy Dynamic
Servidor1-8233-E88-SN1031313	100%	211,296	132.06	170,376	106.49	211,296	132.06
Servidor2-8233-E88-SN1031313	0%	0	0	165,168	103.23	205,344	128.34
Servidor3-8233-E88-SN103128	0%	0	0	159,960	99.97	199,392	124.62
Servidor4-8233-E88-SN1031313	0%	0	0	127,968	79.98	159,216	99.51

Page 1 of 1 | Total: 4

IBM Systems Director Active Energy Manager

- Calculadora de ahorro de energía

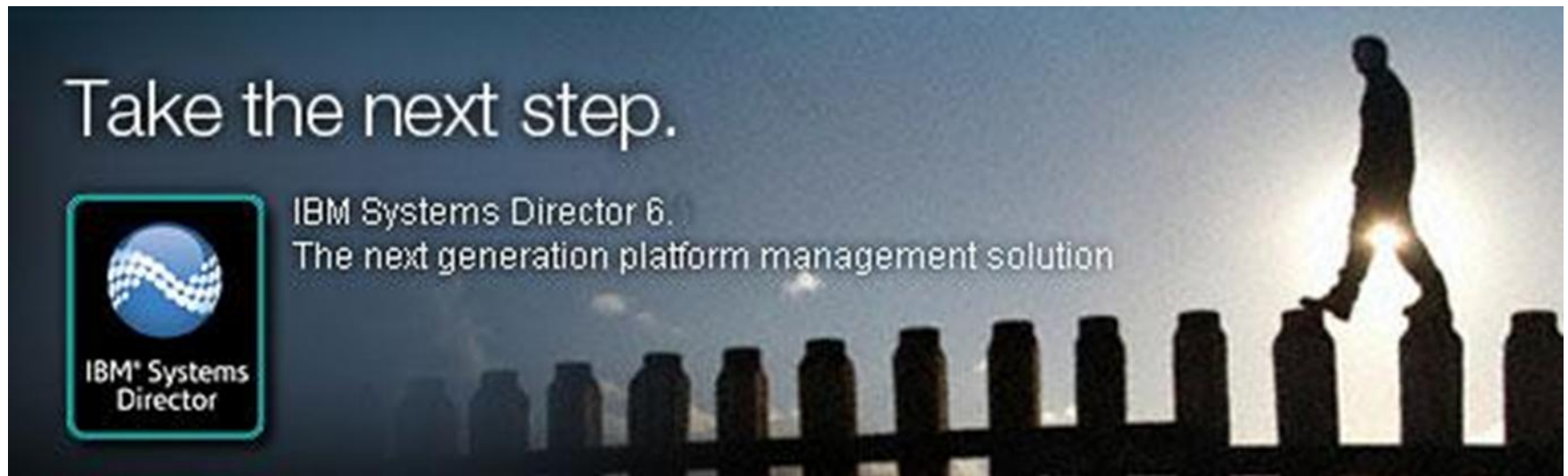
Importe del ahorro logrado por el equipo en dinero!!!!

Name	Time Enabled	Energy	Cost Savings	
AG-Servidor1-8233-E8B-SN10313	 100%	211,296	132.06	170,3
AG-Servidor2-8233-E8B-SN10313	 0%	0	0	165,1


IBM Systems Director



IBM Systems Director

The advertisement features a dark blue background with a silhouette of a person walking across a series of vertical bars of increasing height, set against a bright sun. The text 'Take the next step.' is prominently displayed in white. Below it, the IBM Systems Director logo is shown in a square frame, followed by the text 'IBM Systems Director 6. The next generation platform management solution'.

Take the next step.



IBM Systems Director 6.
The next generation platform management solution