

# IBM Tivoli Endpoint Manager for Power Management

*Full-spectrum, flexible power management made simple*



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## Highlights

- Control energy costs with a centralized, scalable, policy-driven power management system for all endpoints running Microsoft® Windows® and Mac operating systems
  - Manage power settings for hundreds of thousands of endpoints from a single console, regardless of endpoint location, connection type or status
  - Empower end users with an opt-in approach that allows them to select the appropriate power profile
  - Apply out-of-the-box capabilities to deal with common power management issues such as PC insomnia
  - Create “what if” energy usage scenarios to encourage conservation initiatives
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For many organizations, setting up a power management solution that is comprehensive and persistent presents serious challenges. At a high level, management prefers that machines be powered down as frequently as possible to maximize energy savings. However, IT requires machines to be on at night, when it is easiest to apply patches and updates. Compounding these demands are users who disable power-saving features, the complexity of managing power across multiple operating systems, and the difficulties in measuring and quantifying power consumption.

Most computers already have built-in power management features, and many end users are familiar with controls to automatically shut off the monitor or hard drive and put the computer into a low-power “standby” or “suspend” mode. However, these power conservation features are often underutilized by end users and rarely centrally managed, making them ineffective tools.

IBM Tivoli® Endpoint Manager for Power Management, built on BigFix® technology, helps organizations achieve cost savings by reducing electricity usage while avoiding disruptions in systems management—all through a single unified console. The solution enables IT organizations to apply conservation policies infrastructure-wide, while providing the granularity to apply power management policies to a single computer.



### Power management on a massive scale

Tivoli Endpoint Manager for Power Management operates across hundreds of thousands of desktops, laptops, and servers running Microsoft Windows and Mac operating systems. The solution operates with an industry-leading approach that places an intelligent agent on each endpoint to continuously assess power status without impacting system performance. As a result of the agent's actions, the single management server always knows the power status of endpoints.

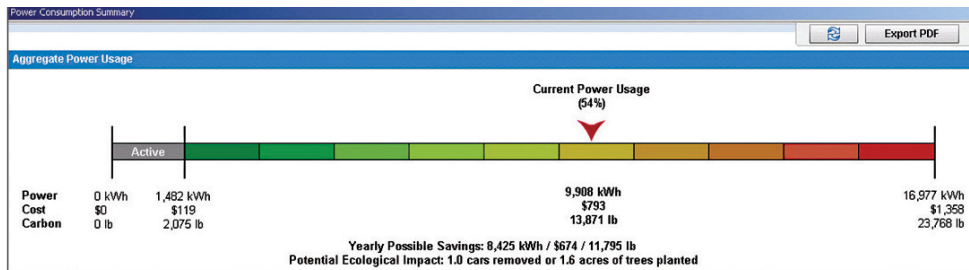
Tivoli Endpoint Manager for Power Management provides capabilities to:

- Maximize end-user participation by letting users choose from a menu of predetermined power configuration options.
- Identify and automatically fix power profile misconfigurations.
- Selectively power down specific computer subsystems to maximize energy savings.
- Bring an end to so-called “PC insomnia” by enforcing policy management policies.
- Schedule shutdowns so as to keep a limited number of computers functional enough to receive and distribute wake-up alarms to other computers in deeper states of sleep.

- Preserve user data by automatically saving documents prior to beginning a shutdown or sleep/standby procedure.
- Schedule Wake-on-LAN (WoL) to enable endpoint wake-up before the start of the workday or for scheduled maintenance.
- Enable end users to remotely issue WoL commands to their own machines to enable remote access.

### Going “green” with Tivoli Endpoint Manager for Power Management

Tivoli Endpoint Manager for Power Management supports organizational “green” initiatives with a comprehensive yet simplified capability to manage power options with minimal impact on already stretched budgets and staff. With real-time tracking, system administrators know exactly how much time an endpoint spends in idle, active, standby, and off states, resulting in an accurate view of current power usage and cost. The solution encourages end users to participate in conservation programs by displaying trends in power consumption and carbon dioxide emissions, providing a “what-if” scenario calculator that helps project potential energy savings.



Tivoli Endpoint Manager for Power Management provides real-time reports that help organizations visualize ongoing energy consumption and measure the associated ecological impact.

## The Tivoli Endpoint Manager family

You can further consolidate tools, reduce the number of end-point agents, and lower your management costs by extending your investment in Tivoli Endpoint Manager for Power Management to include other components in the Tivoli Endpoint Manager family. Because all functions operate from the same console, management server and single intelligent agent, adding more services is a simple matter of a license key change.

- ***Tivoli Endpoint Manager for Lifecycle Management***—This comprehensive and powerful approach addresses today's convergence of IT functions by providing real-time visibility into the state of endpoints and giving administrators advanced functionality for managing those endpoints.
- ***Tivoli Endpoint Manager for Security and Compliance***—This easy-to-manage, quick-to-deploy solution provides unified, real-time visibility and enforcement to help organizations both protect endpoints and assure regulators that systems are meeting security compliance standards.
- ***Tivoli Endpoint Manager for Patch Management***—This component, available as a stand-alone offering or as an integral part of IBM Tivoli Endpoint Manager for Lifecycle Management and IBM Tivoli Endpoint Manager for Security and Compliance, provides organizations with a powerful way to assess, deploy and manage patches for the myriad operating systems and applications across heterogeneous environments.

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### Tivoli Endpoint Manager family at a glance

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#### Server requirements:

- Microsoft SQL Server 2005/2008
- Microsoft Windows Server 2003/2008/2008 R2

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#### Console requirements:

- Microsoft Windows XP/2003/Vista/2008/2008 R2/7

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#### Agent requirements:

- Microsoft Windows, including XP, 2000, 2003, Vista, 2008, 2008 R2, 7, CE, Mobile, XP Embedded and Embedded Point-of-Sale
  - Mac OS X
  - Solaris
  - IBM AIX®
  - Linux on IBM System z®
  - HP-UX
  - VMware ESX Server
  - Red Hat Enterprise Linux
  - SUSE Linux Enterprise
  - Oracle Enterprise Linux
  - CentOS Linux
  - Debian Linux
  - Ubuntu Linux
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## For more information

To learn more about IBM Tivoli Endpoint Manager for Power Management, contact your IBM representative or IBM Business Partner, or visit: [ibm.com/tivoli/endpoint](http://ibm.com/tivoli/endpoint)

## About Tivoli software from IBM

Tivoli software from IBM helps organizations efficiently and effectively manage IT resources, tasks and processes to meet ever-shifting business requirements and deliver flexible and responsive IT service management, while helping to reduce costs. The Tivoli portfolio spans software for security, compliance, storage, performance, availability, configuration, operations and IT life cycle management, and is backed by world-class IBM services, support and research.

The customer is responsible for ensuring compliance with legal requirements. It is the customer's sole responsibility to obtain advice of competent legal counsel as to the identification and interpretation of any relevant laws and regulatory requirements that may affect the customer's business and any actions the customer may need to take to comply with such laws. IBM does not provide legal advice or represent or warrant that its services or products will ensure that the customer is in compliance with any law or regulation.



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