
The Value of Network Energy Management Software

In today's business environment, the challenge of rising energy costs combined with corporate mandates aimed at driving more sustainable business practices is becoming increasingly common. Organizations are looking to reduce costs and simultaneously become more environmentally-friendly. To accomplish this, many IT departments are searching for ways to make these improvements, and are examining the concept of network energy management.

Unfortunately, many organizations quickly discover that successful, centralized network energy management is difficult to achieve, especially with internal and third-party solutions that fail to take into account the complexities of balancing maximum power savings with business continuity. This document will highlight several examples of why a dedicated network energy management solution is important for success.

Features

Centralized Administration

Network-wide control of settings and compliance

Will a single power policy really fit your entire PC network? Will you need to wake-up machines on-demand or regularly for other IT activity – such as patch management and back-ups? It is critical, especially in large enterprise environments, that you have the ability to quickly, easily and centrally manage dynamic power policies across your entire PC network. For example:

- Significantly reduce administration and maintenance with consolidated views of client configuration and exception summaries across groups of machines. Also included are reports that highlight specific periods of machine activity and inactivity, periods of highest and lowest power consumption, and details of power profile settings across all power groups.
- With centralized configuration of OS-level power management settings, administrators can configure PCs for the appropriate Wake on LAN, Wake on Keyboard and Wake on Mouse functionality. These can be configured for all machines from a centralized console with just a few checkboxes.

Grouping and Settings Management

Customer segmentation minimizes user disruption

Not all PC users are they same - you may have some users working 9-5, some working four 10-hour shifts each week, laptop users working their own irregular hours, and so on. You also may have a variety of workplace locations, different campuses, and multiple buildings. SURVEYOR can auto-group computers for you based on criteria such as location, IP address, subnets and other variables. Policies are applied to these dynamic groups and persist over time, such that the impact of your policy changes can be continuously tracked. Group membership is dynamic, meaning zero administration time for your IT staff. What's more, intelligent profiling identifies optimal times for power savings, with specific power profiles for multiple schemes in one central location. This enables you to establish power policies based on hard evidence, with granular reporting, baselines and history to allow trending.

To learn more, call toll-free **1-866-Verdiem (866-837-3436)**

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Reporting

Granular cost savings and compliance information

Accurate, verifiable reporting of power policy compliance is the cornerstone of successful network energy management. Being able to correctly track the energy, cost and carbon savings across your network will enable your organization to take credit for your efforts. PC network energy consumption reports provide detailed ROI summaries, consumption trends, peak demand estimation and other information needed to support regulatory compliance, cost-basis charge backs or future budget planning. For additional flexibility, all of this energy usage data can be reported with hourly or daily granularity.

Protecting Open Applications and Data

Check for open applications, save data before shutting down

Checking for open applications, and saving open documents before going into standby or shutdown is a critical feature for maintaining business continuity while saving energy. SURVEYOR's Power State Transition Manager enables any script-based action to be performed prior to a PC transitioning into a lower power state, allowing administrators to save data in open applications, back-up applications or gracefully shut them down. In addition, computers can be prevented from shutting down if certain applications are active on the machine. An important security feature in the scripting function is a secure, signed certificate infrastructure.

Administrators can either use the built-in Verdiem certificates or assign their own corporate certificates to ensure that each client/PC only runs authorized scripts.

Solving for PC Insomnia

Complementary idle timer ensures policy compliance

A common occurrence in some environments is a condition where PCs do not reliably transition to a lower power state. This is often called Insomnia and can be caused by rogue applications, spurious network, CPU or disk activity. This problem, which can affect up to 80 percent of PCs in a corporate setting, can be hard to resolve since the concept of idle time cannot be configured at the OS-level. SURVEYOR implements a complementary idle timer that can be defined at a granular level with threshold settings for CPU, disk and network activity. The SURVEYOR idle timer can then be set to supplement the Windows idle timer and enforce sleep or hibernate settings. The result is that PCs reliably comply with power policies and maximize energy savings.

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