



eBizPPMS - PC Power Management



Potential saving from automated power management:

Number of PCs: 100
 Energy Rate (per KWH): US\$ 0.055
 Total PC Wattage: 200
 Daily Hours ON: 24
 Projected Weekday Hours OFF: 12
 Estimated Weekend Hours OFF: 24
 Annual KWH Saved: 112,560
 Total Annual Energy Saving: \$6,117



Background:

Many computer users do not shutdown their computers because they think it is insignificant or are impatient for the startup process to do its job the next time around. A recent survey by the green Technology initiative (www.greentechnologyinitiative.org) found that more than one in five IT directors did not know whether machines were switched off at night, and a further 27 percent thought less than half of their equipment was being switched off.

Challenge:

Although many employees are given laptops, still there are a lot of them using PCs, especially applicable to facilities in under development & developing countries. Most employees won't turn off their PCs when leaving, either with the interest of accessing it from a remote location (via QConnect or VPN) or in the interest of IT department, for pushing software or updates.

Solution:

As with any other electronic device, the simplest and quickest way to reduce energy consumption is to turn off equipment that isn't in use. For organizations with large number of desktop computers, eBizPPMS provides actual data on performance and savings. eBizPPMS is a computer network-based power saving tool that aims at reducing unwanted power consumption and still provides access from remote machine.

The tool can automatically 'ShutDown' all the switched ON but locked computers in the network (pre-configured) of course during non-working hours which are certainly configurable by each individual.

Results:

Users (Corporate) can not only save on electricity (to only computers), but also contribute to saving Energy, and thereby avoiding pollution. While coming to the system wakeup, all the PCs will Wake-ON-LAN such that by sending a magic packet for a specified number of times to the network card, it can wake up the machine which was either hibernated or turned off.

eBizPPMS will have a Network Service module that can receive emails from the users and IT administrators, so that when there is a need, we can wakeup the machine immediately by sending an email to power admin.

Each computer still consumes considerable watts per hour that can be saved.

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