

Re: XP will not "Wake the computer to run this task"

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<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2006-02/msg08927.html>

- *From:* "BigBadBill" <BigBadBill@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 21 Feb 2006 08:10:28 -0800
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Breaker, maybe I'm wrong, but I'm pretty sure that my work PC actually goes into hibernation (not just suspend,) and it successfully wakes up to run tasks. It also wakes up when I attempt a connection to it with remote desktop.

I have read through lots of different descriptions about power management, and this one appears to be pretty comprehensive:

Description of the Different Advanced Power Management States
<http://support.microsoft.com/kb/308535>

Unfortunately, none of the documentation I can find on "wake the computer to run this task" specifies from which states your computer will actually "wake up." There is always this disclaimer about "for computers that support it..."

"Breaker" wrote:

On Mon, 20 Feb 2006 23:31:17 -0800, "BigBadBill" <BigBadBill@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote:

OK, I've been crawling all over the net and can't find a solution to this:

I have a laptop on which I've scheduled a weekly defrag via task scheduler. I want it to run at 2am.

Task Scheduler is enabled, and all of my scheduled tasks are configured to run under a local machine account with a non-blank password.

If I'm actively logged on, they all run just fine. If nobody is logged on, they run just fine, too, you just don't see them pop up. They all run as a local user account with a valid password.

Here's the problem: once the laptop goes into hibernate mode, none of the tasks that are scheduled wake the computer up to run.

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For the maintenance tasks like disk defragmenting, I tried to have them start at one o'clock or two o'clock in the morning, but they don't begin to run until I manually resume from hibernation before I go to work in the morning.

Laptop is an ACPI compliant Dell; ACPI shows OK under Computer in Device Manager. Task settings are exactly the same as my work PC, which DOES wake up from hibernate to run the task.

Only significant O/S difference is Laptop is connected to a wireless LAN via a built-in wireless NIC, and PC at work is on a wired LAN through a Broadcom ethernet NIC. Both run XP SP-2 w/ all Microsoft Update patches applied.

Laptop also has Norton AntiVirus / Internet Security with all extra bells and whistles turned off, while PC workstation runs McAfee / Network Associates EPOAgent bundle.

I can't figure it out. Can anyone help?
Task settings are as follows:

Main "Task" tab in Task Properties dialog:

Run as: MyLaptop\AnAdminUser

Run only if logged on: Unchecked (no)
Enabled: Checked (yes)

Schedule tab:

Daily, 1am, every 1 day(s)

Settings tab:

Scheduled Task Completed group:
Delete the task if it is not scheduled to run again: Unchecked (no)
Stop the task if it runs for: Unchecked (no max time)

Idle Time group:
Only start the task if the computer has been idle for at least: Unchecked (no idle requirement)
Stop the task if the computer ceases to be idle: Unchecked (no)

Power Management group:
Don't start the task if the computer is running on batteries: Unchecked (no)
Stop the task if battery mode begins: Unchecked (no)
Wake the computer to run this task: Checked (yes)

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Why do you think that the OS is going to run a task when your system is shut off?

Hibernating is a "power off" state. It is not like standby.

When the system hibernates, it saves an image of the system to the drive at the exact moment that the hibernate occurred. It sets a special flag in the boot sequence for the next time you boot for the hibernate image to be read in so that the system comes back up exactly the same as it was when it was hibernated. It then shuts down the power.

The OS is not running at this time so there is no way that it can wake your system up to do those tasks.