PM Script Builder

Version 1.0

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JAMF software

Contents

Overview

The PM Script Builder walks you through the process of creating a script that allows you to read and modify power management settings supported by the pmset command-line tool.

The PM Script Builder makes changes to settings by modifying the contents of the script or building a new one.

Benefits

The PM Script Builder allows you to

- manage display and computer sleep schedules
- manage computer startup and shutdown schedules
- control power management settings, such as dynamic processor scheduling and automatic restart after power failure

Requirements

This tool creates a script that runs on workstations that support the pmset command built into Mac OS X. The following versions of Mac OS X are supported by this application:

- 10.3.x
- 10.4.x
- 10.5.x

Concepts

Before using this tool, make sure you are familiar with the following tools and services: Energy Saver preferences and the pmset command-line tool.

Energy Saver Preferences

Energy Saver preferences help you understand the settings available when creating a script with the PM Script Builder. These preferences are built into Mac OS X's System Preferences.

In addition to Energy Saver preferences, the PM Script builder lets you specify the following options:

- Automatically reduce the brightness of the display before display sleep
- Enable sudden motion sensor
- Dynamically change processor speed based on load

Pmset

For detailed information on using the pmset command-line tool, run the following command in a Terminal window:

```
man pmset
```

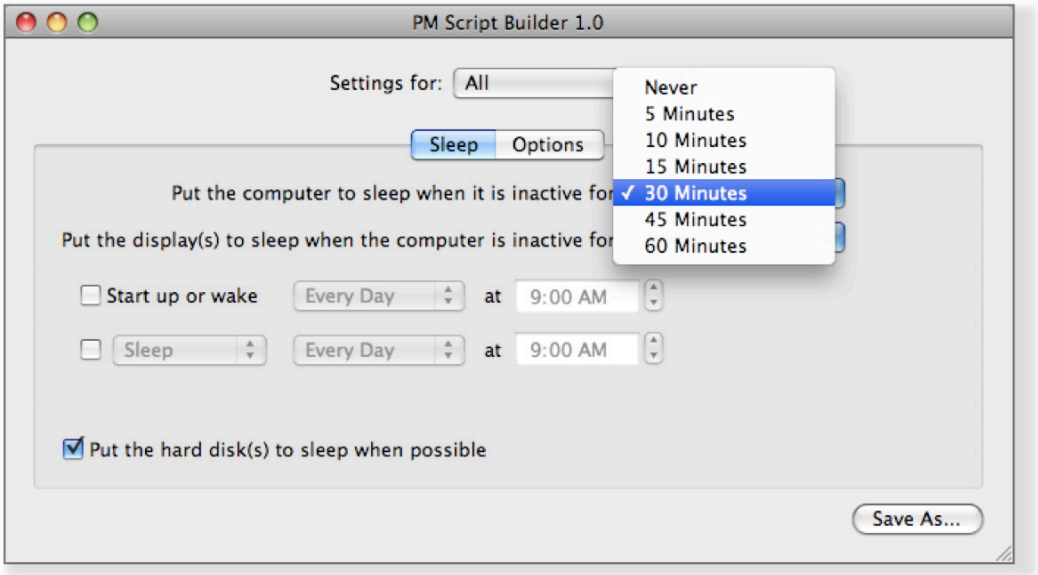
Creating a PM Script

Creating a PM script allows you to manage display and computer sleep schedules and set additional power management options.

The instructions in this section explain how to perform both of these tasks.

To manage display/computer sleep schedules:

1. Open the PM Script Builder.
2. Choose a schedule for the system sleep timer.
3. Choose a schedule for the display sleep timer.
4. If you want to set a startup/shutdown schedule, specify the times you want to start up/shut down the system.
5. To set additional options, click the **Options** tab and configure additional preferences.
6. Click the **Save As** button.



This creates a script that contains the syntax of the pmset command and reflects the specified schedules and options.

Additional Power Management Options

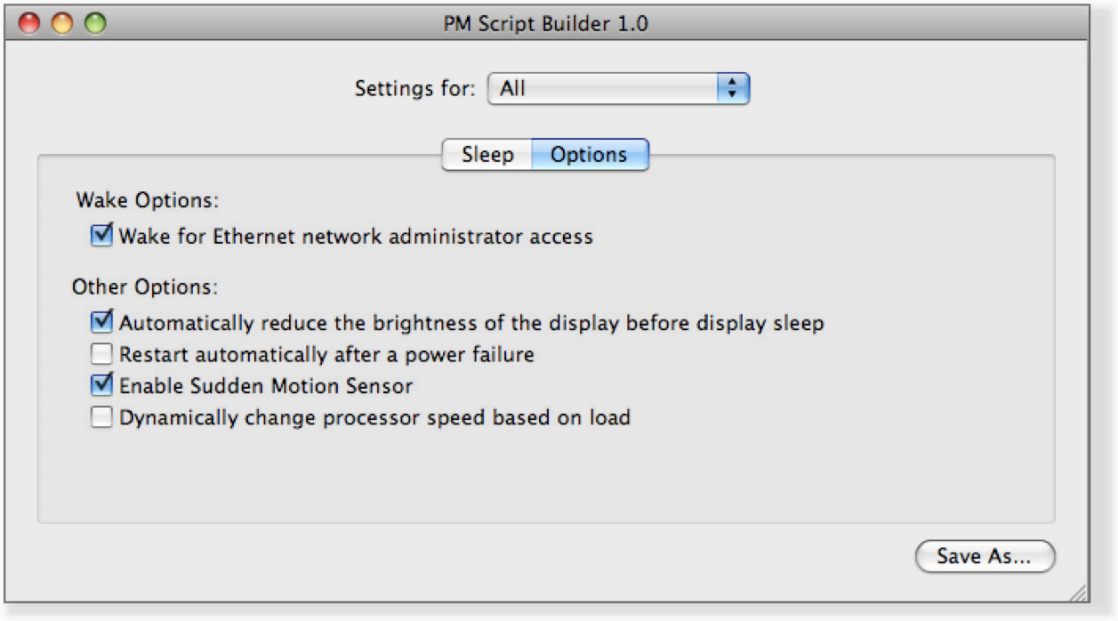
In addition to setting power management schedules, you can use the PM Script Builder to set the following options:

- **Wake for Ethernet Network Administrator Access**. Wakes the system when an ethernet "magic" packet is received. Casper Remote attempts to wake client computers when it connects to them as long as the clients are on the same subnet as the computer from which Casper Remote running.

- **Automatically Reduce the Brightness of the Display Before Display Sleep**. Allows the display to reduce brightness by 50% when the system is between wake and sleep.
- **Restart Automatically After a Power Failure**.
- **Enable Sudden Motion Sensor**. Use sudden motion sensor to park disk heads on sudden changes in G-force.
- **Dynamically change processor speed based on load**.

To configure additional power management options:

1. Open the PM Script Builder.
2. Click the **Options** tab and select the options you want to include in the script.
3. Click the **Save As** button to create the pmset script.



Running a Pmset Script

After creating a pmset script, it must be run on client computers to apply the settings. There are several ways to deploy a script using the Casper Suite:

- During the imaging process (using the Casper Imaging application)
- Manually (using the Casper Remote application)
- Using a policy

Before running a script with the Casper Suite, it must be added to the JSS. For instructions on how add a script to the JSS, see the "Managing Scripts" section in the *Casper Suite Administrator's Guide*.

To run the pmset script:

1. Click the **Scripts** tab in the application or framework that you're using to deploy the script.
2. Select the pmset script.
3. Specify whether it should be run at the priority of **Before** or **After**.
4. Specify values for any custom parameters you want to pass to the script.