Deploying Power Management to a Collection

A Collection can be configured for power settings such as how long the computer must be inactive before the display is turned off.

Some things to remember about Power plans.

- You can only apply Configuration Manager Power Plans to Device Collections.
- If a computer is a member of multiple power plans, the least restrictive value is used.
- According to Microsoft, Configuration Manager power management is not supported on virtual machines. You cannot apply power plans to virtual machines, nor can you report power data from them.
  https://technet.microsoft.com/en-us/library/gg682175.aspx

  I will supply a procedure for configuring Power Management, but unfortunately, we cannot test this in our Lab environment.

  - First, we will create a device collection
  - Then we will create a Custom Client Setting
  - Then deploy those settings to a collection.

- From the Work-Space, click Assets and Compliance. From the Navigation Pane, **click Device Collections.**
- Notice that under Device Collections, I have created **three folders**. One for desktops, laptops, and servers. These folders help keep my device collections organized.
- If you want to create folders, right-click on Device Collections select folder, then **Create folder.** I would recommend that you do the same for your organization.

1) **Creating a collection**

- Right-click **Power Management Laptops** click **create a Device Collection**.
- From the Create Device Collection Wizard, Name type **Power Management Laptops**, from Limiting Collection, click **Browse**, click **ALL Systems**, click **ok**, then click **next**.
- From add rule, click a **direct rule**, click next
- From Resource Class, select **System Resources**, from Attribute Name, select **Name**. From value, type the **%** sign, click **next.**
- From Select Resources, click **SAWS01-NEW**, click **next**, click next again, then click close
- Click next 2x, then click close

2) **Specifying Power Management Settings**

- From the Workspace, click Assets and Compliance
  From the Navigation Pane, click device collections, then click Power Management Laptops.
  From the Lists, View right-click on **Power Management Laptops**, then click **properties**, then select **Power Management**.
- Click **Specify power management settings for this collection**.
  Here you can select Peak hours start and end, and the duration.
  For Peak plan and Non-peak plan, you have several choices that you can explore. You can also configure a Customized Peak or Non-Peak plan with settings that should work based upon your organization's needs.
- From the Peak plan, select **Customized Peak**, then click **Edit**. You can turn on or off any of these settings and configure the settings of your choice.
- For this lecture, we choose the **Balanced setting** for both and click **ok**.

3) **Creating and Configuring a Custom Client Device Setting**

- From the Workspace, click Administration
  From the Navigation Pane, right-click **Client Settings,**
  Select **Create Custom Client Device Settings**,
  For a name type **Pwr. Mgmt Laptops**
  Then at the bottom, click **Power Management**, then click **ok.**
  From the List View, right click **Pwr. Mgmt Laptops**, then click **Properties**
  From the left side, click **Power Management**,
  From allow power management of devices click **Yes**, click ok

4) **Deploying our settings to the Power Management Collection**

- From the Ribbon, click **deploy**. From Select, Collection screen, click the **Power Management Laptops** folder.
- From the right side, click Power Management laptops collection, click ok.
- At the bottom, click deployments – The Power Management Laptops Collection is displayed.

Like I said at the beginning of this lecture, we cannot test our power management configuration with VM's. Regardless you have the knowledge that you will need to implement Power Management in your organization.

For a Lecture Summary

1. Creating a collection
2. Specify Power Management Settings
3. Create Custom Client Device Settings
4. Deploy Pwr. Mgmt Laptops to the Power Management laptop collect