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# Powercfg command-line options

Article • 12/15/2021 • 7 contributors

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Use powercfg.exe to control power plans - also called power schemes - to use the available sleep states, to control the power states of individual devices, and to analyze the system for common energy-efficiency and battery-life problems.

# **Syntax**

Powercfg command lines use the following syntax:

powercfg /option [arguments] [/?]

where option is one of the options listed in the following table, and arguments is one or more arguments that apply to the selected option. Including /? in a command line displays help for the specified option. Options and arguments are described in more detail later in this topic.

# **Command-line options**

Expand table

Option	Description
/?, -help	Displays information about command-line parameters.
/list, /L	Lists all power schemes.
/query, /Q	Displays the contents of a power scheme.
/change, /X	Modifies a setting value in the current power scheme.
/changename	Modifies the name and description of a power scheme.
/duplicatescheme	Duplicates a power scheme.

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/delete, /D	Deletes a power scheme.
/deletesetting	Deletes a power setting.
/setactive, /S	Makes a power scheme active on the system.
/getactivescheme	Retrieves the currently active power scheme.
/setacvalueindex	Sets the value associated with a power setting while the system is powered by AC power.
/setdcvalueindex	Sets the value associated with a power setting while the system is powered by DC power.
/import	Imports all power settings from a file.
/export	Exports a power scheme to a file.
/aliases	Displays all aliases and their corresponding GUIDs.
/getsecuritydescriptor	Gets a security descriptor associated with a specified power setting, power scheme, or action.
/setsecuritydescriptor	Sets a security descriptor associated with a power setting, power scheme, or action.
/hibernate, /H	Enables and disables the hibernate feature.
/availablesleepstates, /A	Reports the sleep states available on the system.
/devicequery	Returns a list of devices that meet specified criteria.
/deviceenableawake	Enables a device to wake the system from a sleep state.
/devicedisablewake	Disables a device from waking the system from a sleep state.
/lastwake	Reports information about what woke the system from the last sleep transition.
/waketimers	Enumerates active wake timers.
/requests	Enumerates application and driver Power Requests.
/requestsoverride	Sets a Power Request override for a particular Process, Service, or Driver.
/energy	Analyzes the system for common energy-efficiency and battery life problems.
/batteryreport	Generates a report of battery usage.
/sleepstudy	Generates a diagnostic system power transition report.
/srumutil	Dumps Energy Estimation data from System Resource Usage Monitor (SRUM).
/systemsleepdiagnostics	Generates a diagnostic report of system sleep transitions.
/systempowerreport	Generates a diagnostic system power transition report.

# Command-line option descriptions

The following sections describe Powercfg command-line options and arguments.

# -help or /?

Displays information about command-line parameters.

## Syntax:

powercfg /?

# /list or /L

Lists all power schemes.

### Syntax:

powercfg /list

# /query or /Q

Displays the contents of the specified power scheme.

#### Syntax:

```
powercfg /query [ scheme_GUID ] [ sub_GUID ]
```

If neither the parameter *scheme\_GUID* or *sub\_GUID* are provided, the settings of the current active power scheme are displayed. If the parameter *sub\_GUID* is not specified, all settings in the specified power scheme are displayed.

### **Arguments:**

scheme\_GUID

Specifies a power scheme GUID. Running powercfg /list returns a power scheme GUID.

sub\_GUID

Specifies a power-setting subgroup GUID. A power setting subgroup GUID is returned by running **powercfg /query**.

### **Examples:**

```
© Copy

powercfg /query

powercfg /query 381b4222-f694-41f0-9685-ff5bb260df2e 238c9fa8-0aad-41ed-83f4-97b
```

# /change or /X

Modifies a setting value in the current power scheme.

### Syntax:

/change setting value

### **Arguments:**

setting

Specifies one of the following options:

- monitor-timeout-ac
- monitor-timeout-dc
- disk-timeout-ac
- disk-timeout-dc
- standby-timeout-ac
- standby-timeout-dc
- hibernate-timeout-ac
- hibernate-timeout-dc

value

Specifies the new value, in minutes.

#### **Examples:**

powercfg /change monitor-timeout-ac 5

## /changename

Modifies the name of a power scheme and optionally its description.

### Syntax:

powercfg /changename \*scheme\_GUID \* name [description]

### **Arguments:**

scheme\_GUID

Specifies a power scheme GUID. Running powercfg /list returns a power scheme GUID.

name

Specifies the power scheme's new name.

description

Specifies the power scheme's new description. If no description is specified, only the name is changed.

### **Examples:**

Powercfg /changename 381b4222-f694-41f0-9685-ff5bb260df2e "Customized Balanced"

# /duplicatescheme

Duplicates the specified power scheme. The resulting GUID which represents the new scheme is displayed.

### Syntax:

powercfq /duplicatescheme scheme\_GUID [destination\_GUID]

### **Arguments:**

scheme\_GUID

Specifies a power scheme GUID. A power scheme GUID is returned by running **powercfg** /list.

destination\_GUID

Specifies the new power scheme's GUID. If no GUID is specified, a new GUID is created.

### Examples:

Powercfg /duplicatescheme 381b4222-f694-41f0-9685-ff5bb260df2e

# /delete or /D

Deletes the power scheme with the specified GUID.

#### Syntax:

powercfg /delete scheme\_GUID

### **Arguments:**

scheme\_GUID

Specifies a power scheme GUID. A power scheme GUID is returned by running **powercfg** /list.

#### **Examples:**

```
Powercfg /delete 381b4222-f694-41f0-9685-ff5bb260df2e
```

# /deletesetting

Deletes a power setting.

### Syntax:

powercfg /deletesetting sub\_GUID setting\_GUID

#### **Arguments:**

sub\_GUID

Specifies a power setting subgroup GUID. A power setting subgroup GUID is returned by running **powercfg /query**.

setting\_GUID

Specifies a power setting GUID. A power setting GUID is returned by running **powercfg** /query.

### **Examples:**

```
Copy
powercfg /deletesetting 238c9fa8-0aad-41ed-83f4-97be242c8f20 29f6c1db-86da-48c5-
```

# /setactive or /S

Makes the specified power scheme active on the system.

### Syntax:

powercfg /setactive scheme\_GUID

### **Arguments:**

 $scheme\_GUID$ 

Specifies a power scheme GUID. A power scheme GUID is returned by running **powercfg** /list.

### **Examples:**

```
powercfg /setactive 381b4222-f694-41f0-9685-ff5bb260df2e
```

# /getactivescheme

Retrieves the currently active power scheme.

#### Syntax:

powercfg /getactivescheme

# /setacvalueindex

Sets the value associated with a specified power setting while the system is powered by AC power.

### Syntax:

powercfg /setacvalueindex scheme\_GUID sub\_GUID setting\_GUID setting\_index

### **Arguments:**

scheme\_GUID

Specifies a power scheme GUID. A power scheme GUID is returned by running **powercfg** /list.

sub\_GUID

Specifies a power setting subgroup GUID. Running **powercfg /query** returns a power setting subgroup GUID.

setting\_GUID

Specifies a power setting GUID. A power setting GUID is returned by running **powercfg** /query.

setting\_index

Specifies which possible value this setting is set to. A list of possible values is returned by running **powercfg /query**.

### **Examples:**

Copy
powercfg /setacvalueindex 381b4222-f694-41f0-9685-ff5bb260df2e 238c9fa8-0aad-41e

# /setdcvalueindex

Sets the value associated with a specified power setting while the system is powered by DC power.

### Syntax:

powercfg /setdcvalueindex scheme\_GUID sub\_GUID setting\_GUID setting\_index

### **Arguments:**

scheme\_GUID

Specifies a power scheme GUID. A power scheme GUID is returned by running **powercfg** /list.

sub\_GUID

Specifies a power setting subgroup GUID. A power setting subgroup GUID is returned by running **powercfg /query**.

setting\_GUID

Specifies a power setting GUID. A power setting GUID is returned by running **powercfg** /query.

setting\_index

Specifies which possible value this setting is set to. A list of possible values is returned by running **powercfg /query**.

#### **Examples:**

Powercfg /setdcvalueindex 381b4222-f694-41f0-9685-ff5bb260df2e 238c9fa8-0aad-416

# /import

Imports a power scheme from the specified file.

### Syntax:

powercfg /import file\_name [GUID]

### **Arguments:**

file\_name

Specifies a fully-qualified path to a file returned by running **powercfg /export**.

**GUID** 

Specifies the GUID for the imported scheme. If no GUID is specified, a new GUID is created.

### **Examples:**

```
powercfg /import c:\scheme.pow
```

# /export

Exports a power scheme, represented by the specified GUID, to the specified file.

### Syntax:

powercfg /export file\_name GUID

### **Arguments:**

file\_name

Specifies a fully-qualified path to a destination file.

GUID

Specifies a power scheme GUID. A power scheme GUID is returned by running **powercfg** /list.

### **Examples:**

```
powercfg /export c:\scheme.pow 381b4222-f694-41f0-9685-ff5bb260df2e
```

## /aliases

Displays a list of aliases and their corresponding GUIDs. These aliases may be used instead of a GUID in any command.

#### Syntax:

powercfg /aliases



Some settings do not contain aliases. For a full list of GUIDs, use powercfg /query.

# /getsecuritydescriptor

Gets the security descriptor associated with the specified power setting, power scheme, or action.

#### Syntax:

powercfg /getsecuritydescriptor GUID | action

#### **Arguments:**

**GUID** 

Specifies a power scheme or a power setting GUID. A power scheme GUID is returned by running **powercfg /list**. A power setting GUID is returned by running **powercfg /query**.

action

Specifies one of the following actions:

- ActionSetActive
- ActionCreate
- ActionDefault

## **Examples:**

**С** Сору

powercfg /getsecuritydescriptor 381b4222-f694-41f0-9685-ff5bb260df2e<br />
powercfg /getsecuritydescriptor ActionSetActive

# /setsecuritydescriptor

Sets a security descriptor associated with the specified power setting, power scheme, or action.

### Syntax:

powercfg /setsecuritydescriptor GUID | action SDDL

### Arguments:

GUID

Specifies a power scheme or a power setting GUID. A power scheme GUID is returned by running **powercfg /list**. A power setting GUID is returned by running **powercfg /query**.

action

Specifies one of the following actions:

ActionSetActive

- ActionCreate
- ActionDefault

**SDDL** 

Specifies a valid security descriptor string in SDDL format. An example SDDL string can be obtained by running **powercfg/getsecuritydescriptor**.

#### **Examples:**

```
powercfg /setsecuritydescriptor 381b4222-f694-41f0-9685-ff5bb260df2e O:BAG:SYD:F

powercfg /setsecuritydescriptor ActionSetActive O:BAG:SYD:P(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;;BU)(A;CI;KR;;CI;KR;;CI;KR;;CI;KR;;CI;KR;;CI;KR;;CI;KR;;CI;KR;;CI;KR;;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;CI;KR;C
```

## /hibernate or /H

Enables or disables the hibernate feature; also, sets the hiberfile size.

### Syntax:

```
powercfg /hibernate
powercfg /hibernate [ on | off ]
powercfg /hibernate [ /size percent_size]
powercfg /hibernate [ /type reduced | full ]
```

### **Arguments:**

On

Enables the hibernate feature.

Off

Disables the hibernate feature.

/size percent\_size

Specifies the desired hiberfile size as a percentage of the total memory size. The default size cannot be smaller than 50. This parameter also causes hibernation to be enabled.

/type reduced | full

Specifies the desired hiberfile type. A reduced hiberfile only supports hiberboot.

### ① Note

A hiberfile that has a custom default size, or HiberFileSizePercent >= 40, is considered as a full hiberfile. HiberFileSizePercent is set in the registry in HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Power.

To change the hiberfile type to reduced, the OS has to manage the default hiberfile size. To do this, run the following commands:

powercfg /hibernate /size 0

powercfg /hibernate /type reduced

### **Examples:**

powercfg /hibernate off<br/>cbr /> powercfg /hibernate /size 100<br/>cbr /> powercfg /hibernate /size 100<br /> powercfg /hibernate /hib

# /availablesleepstates or /A

Reports the sleep states available on the system. Attempts to report reasons why sleep states are unavailable.

#### Syntax:

powercfg /availablesleepstates

# /devicequery

Returns a list of devices that meet the specified criteria.

#### Syntax:

powercfg /devicequery query\_flag

#### **Arguments:**

query\_flag

Specifies one of the following criteria:

wake\_from\_S1\_supported Returns all devices that support waking the system from a light sleep state.

wake\_from\_S2\_supported Returns all devices that support waking the system from a deeper sleep state.

wake\_from\_S3\_supported Returns all devices that support waking the system from the deepest sleep state.

wake\_from\_any Returns all devices that support waking the system from any sleep state.

S1\_supported Lists devices supporting light sleep.

**S2\_supported** Lists devices supporting deeper sleep.

S3\_supported Lists devices supporting deepest sleep.

**S4\_supported** List devices supporting hibernation.

wake\_programmable Lists devices that are user-configurable to wake the system from a sleep state.

wake\_armed Lists devices that are currently configured to wake the system from any
sleep state.

all\_devices Returns all devices present in the system.

### **Examples:**

powercfg /devicequery wake\_armed

# /deviceenableawake

Enables the specified device to wake the system from a sleep state.

Syntax:

powercfg /deviceenableawake device\_name

### **Arguments:**

device\_name

Specifies a device. This device name may be retrieved using **powercfg /devicequery** wake\_programmable.

#### **Examples:**

Copy
powercfg /deviceenableawake "Microsoft USB IntelliMouse Optical"

# /devicedisablewake

Disables the specified device from waking the system from a sleep state.

### Syntax:

powercfg /devicedisablewake device\_name

### **Arguments:**

device\_name

Specifies a device. This device name may be retrieved using **powercfg /devicequery** wake\_armed.

#### **Examples:**

Powercfg /devicedisablewake "Microsoft USB IntelliMouse Optical"

## /lastwake

Reports information about what woke the system from the last sleep transition.

### Syntax:

powercfg /lastwake

# /waketimers

Enumerates the active wake timers. If enabled, the expiration of a wake timer wakes the system from sleep and hibernate states.

## Syntax:

powercfg /waketimers

# /requests

Enumerates application and driver Power Requests. Power Requests prevent the computer from automatically powering off the display or entering a low-power sleep mode.

## Syntax:

powercfg /requests

# /requestsoverride

Sets a Power Request override for a particular process, service, or driver. If no parameters are specified, this command displays the current list of Power Request overrides.

#### Syntax:

powercfg /requestsoverride [caller\_type name request]

#### **Arguments:**

Caller\_type

Specifies one of the following caller types: **process**, **service**, **driver**. This is obtained by running **powercfg /requests**.

name

Specifies the caller name. This is the name returned by running **powercfg /requests**.

request

Specifies one or more of the following Power Request types:

- Display
- System
- Awaymode

#### **Examples:**

powercfg /requestsoverride process wmplayer.exe display system

# /energy

Analyzes the system for common energy-efficiency and battery-life problems and generates a report, an HTML file, in the current path.

### Syntax:

powercfg /energy [ /output file\_name] [ /xml ] [ /duration seconds ]

powercfg /energy /trace [ /d file\_path] [ /xml ] [ /duration seconds]

The **/energy** option should be used when the computer is idle and has no open programs or documents.

### **Arguments:**

/output file\_name

Specify the path and file name to store the energy report HTML or XML file.

/xml

Formats the report file as XML.

/duration seconds

Specifies the number of seconds to observe system behavior. Default is 60 seconds.

/trace

Records system behavior and does not perform analysis. Trace files are generated in the current path unless the /D parameter is specified.

```
/d file_path
```

Specify the directory to store trace data. May only be used with the /trace parameter.

#### **Examples:**

```
powercfg /energy<br />
powercfg /energy /output &quot;longtrace.html&quot; /duration 120
```

# /batteryreport

Generates a report of battery usage characteristics over the lifetime of the system. Running **powercfg /batteryreport** generates an HTML report file in the current path.

#### Syntax:

```
powercfg /batteryreport [ /output file_name ] [ /xml ]
powercfg /batteryreport [ /duration days ]
```

### **Arguments:**

```
/output file_name
```

Specify the path and file name to store the battery report HTML.

/output file\_name /xml

Formats the battery report file as XML.

/duration days

Specifies the number of days to analyze for the report.

### **Examples:**

```
powercfg /batteryreport /output "batteryreport.html"<br />
powercfg /batteryreport /duration 4
```

# /sleepstudy

Generates a diagnostic report of modern standby quality over the last three days on the system. The report is a file that is saved in the current path.

### Syntax:

```
powercfg /sleepstudy [ /output file_name ] [ /xml ]
powercfg /sleepstudy [ /duration days]
powercfg /sleepstudy [ /transformxmL file_name.xml ] [ /output file_name.html ]
```

### **Arguments:**

```
/output file_name
```

Specify the path and file name to store the Sleepstudy report HTML.

/output file\_name /xml

Formats the Sleepstudy report file as XML.

/duration days

Specifies the number of days to analyze for the report.

/transformxml file\_name.xml /output file\_name.html

Transforms the Sleepstudy report from XML to HTML.

### **Examples:**

```
powercfg /sleepstudy /output "sleepstudy.html"<br />
powercfg /sleepstudy /duration 7
```

## /srumutil

Enumerates the entire Energy Estimation data from the System Resource Usage Monitor (SRUM) in an XML or CSV file.

### Syntax:

```
powercfg /srumutil [ /output file_name ] [ /xml ] [ /csv ]
```

### **Arguments:**

/output file\_name

Specify the path and file name to store the SRUM data.

/output file\_name /xml

Formats the file as XML.

/output file\_name /csv

Formats the file as CSV.

### **Examples:**

```
powercfg /batteryreport /output "srumreport.xml" /xml
```

# /systemsleepdiagnostics

Generates a report of intervals when the user was not present over the last three days on the system, and if the system went to sleep. This option generates a report, an HTML file, in the current path.

This command requires administrator privileges and must be executed from an elevated command prompt.

### Syntax:

powercfg /systemsleepdiagnostics [ /output file\_name ] [ /xml ]

### **Arguments:**

/output file\_name

Specifies the path and file name of the diagnostics report.

/xml

Save the report as an XML file.

```
/duration days
```

Specifies the number of days to analyze for the report.

/transformxml file\_name

Produces a report in HTML from a report that was previously created in XML.

#### **Examples:**

```
powercfg /systemsleepdiagnostics<br/>
powercfg /systemsleepdiagnostics /output &quot;system-sleep-diagnostics.html&quot;system-sleep-diagnostics.xml&quot;system-sleep-diagnostics.xml&quot;system-sleep-diagnostics.xml&quot;system-sleep-diagnostics.xml
```

# /systempowerreport or /spr

Generates a report of system power transitions over the last three days on the system, including connected standby power efficiency. This option generates a report, an HTML file, in the current path.

This command requires administrator privileges and must be executed from an elevated command prompt.

### Syntax:

powercfg /getsecuritydescriptor GUID | action

### **Arguments:**

```
/output file_name
```

Specifies the path and file name of the diagnostics report.

/xml

Save the report as an XML file.

/duration days

Specifies the number of days to analyze for the report.

/transformxml file\_name

Produces a report in HTML from a report that was previously created in XML.

### **Examples:**

```
powercfg /systempowerreport<br/>
powercfg /systempowerreport /output &quot;sleepstudy.html&quot;<br/>
powercfg /systempowerreport /output &quot;sleepstudy.xml&quot; /XML<br/>
powercfg /systempowerreport /transformxml &quot;sleepstudy.xml&quot;
```

# Overlay Scheme and PPM Profile Support

Overlay power schemes and PPM profiles can now be customized through powercfg.exe. It is important to note that overlay schemes are now limited to customizing settings that affect performance versus power savings tradeoff. This is currently related to settings under the PPM and Graphics power settings subgroups (with aliases SUB\_PROCESSOR and SUB\_GRAPHICS in powercfg). Attempts to write to other subgroups under overlay schemes will result in an error message.

## Reading from overlay schemes

The powercfg commands used earlier to read power schemes now support overlay schemes as well for reads and writes.

#### Syntax:

powercfg /q overlay\_scheme\_alias subgroup\_alias setting\_alias

All arguments after the /q flag are optional. If the setting alias is not specified, all settings under the specified overlay scheme and subgroup will be enumerated. If the subgroup is not specified, then all settings for all subgroups under the specified overlay scheme will be enumerated. If the overlay scheme is not specified, then it will be assumed to be the currently active overlay scheme (if active) or the current power scheme (if no overlay is active).

## Writing to overlay schemes

The commands setacvalueindex and setdcvalueindex now support overlay schemes as well.

### Syntax:

powercfg /setacvalueindex overlay\_scheme\_alias subgroup\_alias setting\_alias value powercfg /setdcvalueindex overlay\_scheme\_alias subgroup\_alias setting\_alias value

## Reading from PPM profile

The commands are similar to that of overlay schemes and power schemes, except that they use the /qp flag.

### Syntax:

powercfg /queryprofile overlay\_or\_power\_scheme\_alias profile\_alias setting\_alias powercfg /qp overlay\_or\_power\_scheme\_alias profile\_alias setting\_alias

PPM profile aliases are visible by running the same powercfg /aliasesh command. Support for missing arguments is provided, and the behavior is similar to when arguments are missing and the /q flag is used.

# Writing to PPM profile

For writing to PPM profiles, the /setacprofileindex and /setdcprofileindex commands can be used.

### Syntax:

powercfg /setacprofileindex overlay\_or\_scheme\_alias profile\_alias setting\_alias value powercfg /setdcprofileindex overlay\_or\_scheme\_alias profile\_alias setting\_alias value

# **Enumerating non-empty PPM Profiles**

For enumerating PPM profiles which have at least one power setting value explicitly set.

### Syntax:

powercfg /listprofiles

powercfg /lp

# **Provisioning XML Generation Support**

Powercfg now supports automatically generating a provisioning XML file that can be used as an input to Windows Configuration Designer in order to generate a provisioning package (.ppkg) that contains the customized settings from a device under test. This file contains all settings on the device with the "RUNTIME\_OVERRIDE" altitude value.

#### Syntax:

powercfg /pxml /output output\_file\_path

powercfg /pxml /output output\_file\_path /version version\_number /name package\_name /id GUID /owner OwnerType\_value

#### Required Arguments:

/output\_file\_path: Specifies the location and name of the generated XML.

### **Optional Arguments:**

/version: Optionally specifies the value of the "Version" field in the generated XML. Default: 1.0

/name: Optionally specifies the value of the "Name" field in the generated XML. Default: CustomOEM.Power.Settings.Control

/id: Optionally specifies a GUID string that is used in the "ID" field in the generated XML. Default: new GUID is generated

/owner: Optionally specified the value of the "OwnerType" field in the generated XML. Default: OEM

## Additional resources

### **M** Training

Module

**Explore common configuration options - Training** 

This module discusses configuring and customizing some of the common default settings in Windows clients.

Senglish (United States)

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