

Re: Power Management GPO?

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.group_policy/2007-06/msg00039.html

- *From:* "Jeremy" <jeremy@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 5 Jun 2007 07:22:31 +1000
-

My guess is that the two that are working are per-machine settings, but the power scheme settings are per-user and it doesn't like the system context I suppose. When I tested I was only using a single line that turned hibernation off. So I guess if you ran the scheduled task as a real user then it would work. I told you power management settings were evil....

When I've done this sort of thing during the past I have always scripted it during the post setup autologon, or using CMDLINES.TXT in an unattended setup, so it has been running as the built-in administrator account. The benefit of running during CMDLINES is also that it modified the default user profile too.

On the .bat vs .cmd thing, if it is running on Windows XP you are always better off using .cmd since this shell has much more flexibility in scripting and everything doesn't always work with .bat. But in your case I don't think this is a problem, but change it anyway just to be sure.

When you create the new scheme running as an Admin, is the scheme subsequently available to normal users?

"Linn Kubler" <lkubler@xxxxxxxxxxxxxxxxxxxxxx> wrote in message
<news:e7KQC3rpHHA.1244@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Ok, further testing. I added a couple lines to the batch file to create a log file for my batch file. This shows that my batch file is being processed but my commands aren't taking I guess. Here's my batch file:

```
echo Running power.bat >> c:\powerlog.txt
date /t >> c:\powerlog.txt
time /t >> c:\powerlog.txt
```

```
powercfg /c cmw
powercfg /s cmw
powercfg /x cmw /monitor-timeout-ac 25 /disk-timeout-ac 0 /standby-timeout-ac 0
/monitor-timeout-dc 10 /disk-timeout-dc 10 /standby-timeout-dc 15
powercfg /h off
powercfg /g off /option:resumepassword
```

I can see that the last two lines are working, hibernation and password on returning from standby are getting turned off. But the creation of my power scheme is not working for some reason when run from the schedule.

Any thoughts on this?

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Thanks,
Linn

"Linn Kubler" <lkubler@xxxxxxxxxxxxxxxxxxxx> wrote in message
news:eHJa2crpHHA.4212@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

It's the wierdest thing, when I run the task manually, (right-click, run now), nothing happens. If I run the batch file manually it works fine. The task doesn't seem to be working although I can't see any problem with it's properties. Maybe I should post this in the scripting group?

Just as a test I created a new task to run the same batch file using the Scheduled Tasks control panel and that doesn't work either. Could it be that batch files, files with a *.bat extention, don't work with scheduled tasts?

Thanks,
Linn

"Jeremy" <jeremy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message
news:EC7AC87A-F890-4B59-BDC8-B2E97C4D3916@xxxxxxxxxxxxxxxxxxxx

Well the 0 exit code is just what the batch file is returning, rather than the powercfg exit code. I'm not sure where to point you because when I set the batch file to run at system startup it worked well. What happens when you run the task manually from task scheduler (right-click, run now)?

"Linn Kubler" <lkubler@xxxxxxxxxxxxxxxxxxxx> wrote in message
[news:OBh%23\\$LJpHHA.3772@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OBh%23$LJpHHA.3772@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Thanks for the suggestions Jeremy. I followed your advice and setup a batch file using powercfg to set all the power settings the way I'd like them to be. Ran the batch file as Administrator and it worked fine. Next I created a scheduled task to run my batch file as "system" and to run at system start up. That worked as well.

So then I created a GPO that runs a computer startup script. The script checks for the existance of my batch file in the root of the target PC. If the batch file does not exist it creates it and then creates a task to run it at startup using the "system" account.

All of this works, however, when the computer starts the batch file isn't run... well, it looks like it's running but it does not set

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the power settings. When I look at the task scheduler log file it shows the following entries:

```
"Power Setup.job" (power.bat)
Started 6/1/2007 4:04:15 PM
"Power Setup.job" (power.bat)
Finished 6/1/2007 4:04:16 PM
Result: The task completed with an exit code
of (0).
[ ***** Most recent entry is above this line
***** ]
```

I'm guessing the exit code of (0) is a good exit code as opposed to an error exit code. I'm not sure what's happening now. Any suggestions? Or should I post this question on a different news group?

Thanks much,
Linn

"Jeremy"

<jeremy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:41FDEE4D-EE9C-4195-9E9A-9E2CE683AE85@xxxxxxxxxxxxxxxxxxxx

I think I have a fix for this. I created a scheduled task that runs as SYSTEM and executes the .cmd file I created which has the following line in it:

```
powercfg /hibernate off
```

I turned hibernate on, then waited for the schedule and it worked, so SYSTEM does have the ability to change power settings. So I changed the schedule to "when the system starts", turned hibernate on and rebooted and it worked.

So, long story short, I am guessing you could create a startup script that creates the scheduled task (using schtasks.exe) to run a second

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script that sets the power configuration. Then it would take two reboots, but it would still work. A bit kludgy I suppose....

Anyhoo, good luck.

Cheers,
Jeremy.

"Linn Kubler"

<lkubler@xxxxxxxxxxxxxxxxxxxx>

wrote in message

news:u5UOgpxnHHA.4196@xxxxxxxxxxxxxxxxxxxxxxxx

I have been working this afternoon on a script for just this purpose. I have a power.bat file now that when run by the administrator sets the power the way I want it. Of course that only works for the administrator.

I created a GPO and put the batch file in first as a startup script and when that didn't work I tried it as a logon script. At first it didn't

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work, then I
linked it to
the domain
administrator's
OU and
then it
worked for
that
account. I
tried linking
it to the OU
of my test
user but that
didn't work.

Next I
added my
test user to
the
administrator's
group of the
local
computer,
now it
works.
Looks to me
like it's a
rights issue
at this point.
A normal
user can't
change the
power
settings so a
logon script
like this
won't work
either. Or
am I
missing
something
here?

Thanks
much,
Linn

Ok, now
that I've
linked my
GPO to the

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administrators
and services
"Jeremy"

<jeremy@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in
message

news:5D7771AA-D92D-4A3D-9437-344807222726@xxxxxxxxxxxx

Well
using
a
flag
file
on
the
hard
disk
might
be
easier
then.
This
way
you
can
do
it
with
a
simple
.cmd
file.

Run
powercfg
from
the
command
line
with
a
/?
and
you
will
be
able
to
build
the
commands

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you
want
the
set
up
a
.cmd
file
as
follows:

```
-->8  
snip  
here  
@ECHO  
OFF  
IF  
NOT  
EXIST  
%TEMP%\powerscript.flg  
(  
powercfg  
command  
1  
powercfg  
command  
2  
powercfg  
command  
n  
ECHO  
finished  
>  
%TEMP%\powerscript.flg  
)  
-->8  
snip  
here
```

The
first
line
turns
of
local
echoing
of
commands
to
the
screen

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to
make
the
output
cleaner.
The
second
line
is
the
test
to
see
if
the
flag
file
exists
The
next
three
commands
represent
you
doing
your
powercfg
stuff
The
next
command
writes
the
flag
file
so
that
next
time
the
script
runs,
it
won't
meet
the
condition
so
will
skip
all

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the
powercfg
stuff
The
close
bracket
closes
off
the
IF
condition.
It
is
very
important
that
it
be
on
a
line
on
its
own
in
the
script.

I
can't
remember
if
all
power
setting
are
per
machine,
but
if
some
are
per
machine
and
some
are
per
user
then
you

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could
split
it
up
into
2
scripts,
one
startup
script
and
one
logon
script.
The
use
of
the
%TEMP%
environment
variable
would
mean
that
if
you
ran
it
as
a
logon
script
that
the
powecfg
commands
would
be
run
per
user
who
logged
onto
the
machine.

HTH

Cheers,
Jeremy,

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"Linn
Kubler"

<lkubler@xxxxxxxxxxxxxxxxxxxx>

wrote

in

message

news:%23T4KAswnHHA.3460@xxxxxxxxxxxxxxxxxxxxxxxx

Yes,
that's
what
I'm
finding.
I
have
everything
setup,
I
can
see
by
running
gresult
on
the
client
computer
that
the
GPO's
are
being
applied.
They
just
aren't
taking
effect.

With
EZ-GPO
there
is
a
small
client
executable
that

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needs
to
be
installed.

I
can't
even
get
that
to
work.

I
can
install
it
manually
but
not
using
a
GPO,
even
though
gpresult
shows
it
as
being
applied.

I
don't
know
what
the
secret
is
to
that.

I'm
not
familiar
with
POWERCFG
but
I'll
look
into
it.
I'm
also

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not
very
experienced
at
writing
scripts
but
I'll
take
a
shot
at
it.
An
example
would
sure
be
helpful,
especially
the
bit
about
the
registry
flag.

Thanks
much,
Linn

"Jeremy"
<jeremy@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote
in
message
news:A3D93BAF-3E24-44DB-B910-BCFBB6B0F...

Power
management
settings
are
evil.
Like
a
few
other
settings
it
appears
that

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the
registry
is
just
where
they
get
stored.
From
my
fiddling
it
appears
that
you
can
change
the
registry
setting
but
the
GUI
setting
doesn't
change
until
next
startup,
or
sometimes
even
ever.
It
appears
that
the
power
management
API
probably
retrieves
the
configured
values
from
here
during
system
startup
then

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stores
them
in
memory
or
somewhere
else
because
now
matter
how
much
manual
modification
I
did,
I
could
never
get
settings
to
stick,
so
here
is
my
suggestion:

Use
POWERCFG.
If
you
simply
want
to
set
the
settings
once,
write
a
script
that
makes
the
changes
and
the
drops
in

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a
registry
flag
to
indicate
the
state
so
that
it
doesn't
keep
running
all
the
time.
If
you
want
to
set
the
settings
for
different
times
of
the
day
as
suggested
by
another
poster,
then
put
in
a
scheduled
task
running
as
SYSTEM
that
changes
the
settings
based
on
the
time

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of
day.
Adding
the
scheduled
task
can
also
be
scripted
in
a
startup
script
using
schtaks.exe.

Good
luck.
Cheers,
Jeremy.
"Linn
Kubler"

<lkubler@xxxxxxxxxxxxxxxxxxxx>

wrote
in

message

news:ejtsGPLnHHA.4516@xxxxxxxxxxxxxxxxxxxx

Hi
All,

I'm
trying
to
figure
out
how
to
set
the
power
settings
of
the
computers
in
my
organization.
They
are

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almost
all
Windows
XP
Pros,
a
couple
Windows
2000
Pro
but
I'm
not
going
to
worry
about
them
right
now.

I
know
that
Microsoft
set
this
up
so
that
a
standard
User
does
not
have
rights
to
change
the
power
settings
and
so
far
I
have
not
been
able
to

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find
a
way
to
set
them
globally.

I
have
been
looking
at
EZ
GPO
from
Terranovum
but
it
only
gets
me
part
way
there.
There
are
a
couple
settings
that
it
doesn't
address.
What
do
you
folks
do,
how
do
you
handle
this...
or
don't
you?

EZ
GPO
sets

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the
time
outs
for
the
User
monitor
timeout,
System
standby
timeout
and
Hibernation
timeout,
but
what
about
the
other
settings?
Hard
Disk
timeout,
Prompt
for
password
when
computer
resumes
from
standby,
When
I
press
the
power
button
on
my
computer
and
Hibernate
enable/disable?
How
can
I
go
about
setting
those
options?

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Oh,
this
is
an
active
domain
network
with
Windows
2003
Server
domain
controllers.

Thanks
in
advance,
Linn