

Re: Finetuning: Remote Shutdown with WMI, some errors occur.

## Re: Finetuning: Remote Shutdown with WMI, some errors occur.

---

*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.scripting/2006-03/msg00512.html>

---

- *From:* Jason Gurtz <[jasonNOgurtz@xxxxxxxxxxxxxxxxx](mailto:jasonNOgurtz@xxxxxxxxxxxxxxxxx)>
  - *Date:* Tue, 28 Mar 2006 11:24:36 -0500
- 

Joris van der Struijk wrote:

Most of the time it workes, but sometimes it stops in error saying something like: "External server not available" or "shutdown.vbs(49, 9) (null): 0x80041021)" or "(57, 13) SWbemObjectEx: The RPC Server is Unavailable".

These errors are indicative of network problems or timeouts or something like that. It might also be a transient problem due to opening the ADO connection and then holding it open for a potentially long time after doing objCommand.Execute Maybe try closing the objConnection before doing the shutdown looping.

Also sometimes it can't ping a computer but i know it turned on, and available. When i try pinging myself it works.

Yea, sometimes if a machine is "sleeping" or network is unused the first few pings do not come back. Modify your pinging section to have a "priming ping". Just add add another objShell.Run line right above the existing line but don't redirect output to the temp file. It might be easier and cleaner to test the return value instead of parsing ping's output. See the second example 1 here:

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/script56/html/0a8270d7-7d8f-4368-b2a7-065acb5>

if the return value is 0 then it was a success, 1 happens if host is unreachable. Note the race condition if the host was up for the first ping and then goes down. You will still see a success return value. Hopefully that would be a rare occurrence.

What i would like is for the script to have some error handling so it doesn't stop executing and take out those nasty bugs. Im no great programmer, so could realy use some help.

Re: Finetuning: Remote Shutdown with WMI, some errors occur.

try using "On Error"

<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/script56/html/0a8270d7-7d8f-4368-b2a7-065acb5>

A better example of use may be to define a little section at the bottom of each function like so:

```
Function myFunction()  
On Error GoTo HandleErr 'see, goto isn't always bad ;)
```

```
'Do Stuff
```

```
.  
. .
```

```
myFunction = True
```

```
Exit Function 'So normally we won't go past here
```

```
HandleErr:
```

```
MsgBox Err.Number & vbCrLf & Err.Description
```

```
'Put other error handling here (call functions, subs, whatever)
```

```
myFunction = False
```

```
End Function
```

So then you could call your function like this:

```
If myFunction() = True Then
```

```
'Do stuff when myFunction() succeeds
```

```
Else
```

```
'Do stuff when myFunction() fails
```

```
End If
```

Of course the cheap way out is to put "On Error Resume Next" at the very top. Be careful, that's really just ignoring all errors, not handling them.

If you want to go hog wild, try testing the value of the WbemErrorEnum constant after your WMI calls.

~Jason

```
--  
.
```