Re: Batch file for Ping?

Source:
http://www.tech−archive.net/Archive/Windows/microsoft.public.windows.server.scripting/2006−09/msg00184.html

- *From*: "Richard Mueller" <rlmueller−NOSPAM@xxxxxxxxxxxxxxxxxxx>
- *Date*: Fri, 22 Sep 2006 20:45:16 −0500

Linn Kubler wrote:

> Richard,
>
> Thanks to you and JFord for the responses. JFord's sollution is what I originally had in mind but your's is much more ellegant. However, it actually works in just the opposite maner than I was asking. I would like to be able to scan a range of IP addresses and return the address and computer name. I'm trying to determine all the statically assigned IP addresses in use on my network. Would it be hard to modify this for that functionallity?
>
> This script only returns computers that are in the Active Directory and not all devices with IP addresses are recorded there. Things like switches and print servers aren't in my AD anyways.

I see your point. However, the ping can take awhile to timeout when you try many addresses. Also, I wanted to have a list not just of IP addresses that responded, but also the corresponding host name. I found that when I ping with the −a option (to resolve the host name), it takes considerably longer. My solution below is to use 2 functions. The first uses Ping without the −a option and returns True if the IP address responds to the ping. Only if this is True do I call the second function, which uses the −a option to resolve the host name. The second function parses the output of the ping command for the host name. I also reduced the timeout value to 100 milliseconds to speed things up. Still, it takes a few minutes to check 255 IP addresses. My solution follows:

```
=========
Option Explicit

Dim strIPAddress, objShell, objFSO, strTemp, strTempFile
Dim strSubNet, intStart, intEnd, strResult, k

Set objFSO = CreateObject("Scripting.FileSystemObject")
Set objShell = CreateObject("Wscript.Shell")
```

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' Specify temporary file to save ping results.
strTemp = objShell.ExpandEnvironmentStrings("%TEMP%")
strTempFile = strTemp & "\RunResult.tmp"

' Specify the subnet to check and the starting and ending addresses.
strSubNet = "10.10.5."
intStart = 0
intEnd = 255

' Check all possible addresses.
For k = intStart To intEnd
strIPAddress = strSubNet & CStr(k)
' Check if the addresses r
```