

RE: Attempting to use VBA to Ping within Excel...

Source:

<http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.programming/2007-10/msg03609.html>

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 - *Date:* Mon, 22 Oct 2007 10:34:07 -0700
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Thank you urkec for your response. I noticed that you mentioned that Win32_PingStatus was added for windows XP. If I'm using Windows 2000 what would I need to do to make it work?

Thank you again for your help!

Andy

"urkec" wrote:

"Joel" wrote:

I'm not getting the error. I think the focus may not be on the present workbook. try adding this line of code

"Andy Dawkins" wrote:

Hello all,
I am attempting to ping a list of machine names listed within Excel 2003. So far, I have been able to do this by changing some VBS code I found online. The problem is that the code opens an existing file, but I would like to have the results stay in the active spreadsheet.

```
On Error Resume Next
Set objWMIService =
GetObject("winmgmts:\\\" &
```

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```
strComputer &  
"\root\CIMV2")  
Set colItems =  
objWMIService.ExecQuery("Select  
IpAddress From  
Win32_NetworkAdapterConfiguration  
Where IPEnabled=TRUE")
```

The code you posted does not ping remote computers, it tries to connect to a WMI service on remote computers (strComputer), and if it is available gets it's IP address. You can use Win32_PingStatus WMI class to ping remote machines. (It was added for Windows XP, so if you can't use it you can use Ping command instead.) Your code will work, but it is faster to ping a computer first, and only if it is available attempt connecting to remote WMI. Here is some code:

```
Sub Ping()  
  
Set Machines = Sheets(1).Range("A1", "A10")  
  
For Each Machine In Machines.Cells  
Debug.Print Machine  
Set objPing = GetObject _  
("winmgmts:{impersonationLevel=impersonate}"). _  
ExecQuery("select * from Win32_PingStatus " & _  
"where address = " & Machine & """)  
For Each objStatus In objPing  
If objStatus.StatusCode = 0 Then  
Sheets(1).Cells(Machine.Row, Machine.Column + 1) = _  
objStatus.StatusCode & " On Line"  
Else  
Sheets(1).Cells(Machine.Row, Machine.Column + 1) = _  
objStatus.StatusCode & " Off Line"  
End If  
Next  
Next  
  
End Sub
```

It connects to local WMI service (no computer name in WMI moniker) and gets ping status for computer names listed in cells A1 – A10. (you can also use IP address instead of computer name). Possible values for objStatus.StatusCode are:

```
0 Success  
11001 Buffer Too Small
```

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11002 Destination Net Unreachable
11003 Destination Host Unreachable
11004 Destination Protocol Unreachable
11005 Destination Port Unreachable
11006 No Resources
11007 Bad Option
11008 Hardware Error
11009 Packet Too Big
11010 Request Timed Out
11011 Bad Request
11012 Bad Route
11013 TimeToLive Expired Transit
11014 TimeToLive Expired Reassembly
11015 Parameter Problem
11016 Source Quench
11017 Option Too Big
11018 Bad Destination
11032 Negotiating IPSEC
11050 General Failure

(copied from Win32_PingStatus documentation)

Hope this helps.

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urkec