

Re: Scripting Printers

Source:

<http://www.tech-archive.net/Archive/Scripting/microsoft.public.scripting.vbscript/2005-03/0015.html>

From: Steve Seguis [MVP] (steve_NO_SPAM_at_scriptmation.com)

Date: 02/28/05

Date: Mon, 28 Feb 2005 04:04:23 GMT

Hi Brian,

Sorry I didn't get back to you right away. Sounds like a pretty interesting problem but the solutions also seems fairly straight forward. I'm fairly confident you can accomplish the task by exporting (or scripting the query of) HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Print\Printers.

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Steve Seguis - MCSE, MVP Windows Server, SCJP
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Automating the Enterprise

<http://www.scriptmation.com>

"Brian" <Brian@discussions.microsoft.com> wrote in message
news:CFFC78B6-C61E-401A-BFC6-D9E00C7B921D@microsoft.com...

> Yes we use it quite often. Here's the deal. A couple of years ago we
> realized that when we installed let's say 200 printers we maxed out the
> registry and the server would crash. Microsoft gave us a patch that
> split
> the printer section into two parts and allowed for a bigger registry so
> we
> could install 300 printers. Now when we run the printmig tool it get all
> freaked out and doesn't understand how the printers are split. So I
> really
> just need some way to get the Port Name and IP address and then the Print
> Driver name, Printer name, Printer location, and share name. Also I'm at
> a
> loss as to why the only sample script supported by NT is the List Printer
> Capabilities. Can I install some sort of extensions or something on my NT
> servers so I can run the other sample scripts against them?

>

> "Steve Seguis [MVP]" wrote:

>

>> Have you looked at the printmig.exe tool from the Windows Resource Kit?

>>

>> --

>> Steve Seguis - MCSE, MVP Windows Server, SCJP

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>>

>> "Brian" <Brian@discussions.microsoft.com> wrote in message

>> news:E74AA925-04EA-45E4-8A5D-00D4BEA9573F@microsoft.com...

>> >I have 6 NT servers with about 300 printers each on them. I need to

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```
>> >migrate
>> > these printers to a 2003 box. I have a couple of scripts from Script
>> > Center
>> > that add a printer, add a port, list port properties and list printer
>> > capabilities. The only problem is that NT only supports the List
>> > printer
>> > capabilities. Does anyone know of a way that I can pull the necessary
>> > port
>> > and printer information from my NT servers so that I can add them back
>> > to
>> > my
>> > 2003 server via script.
>> >
>> > Here are the sample scripts I'm starting from:
>> >
>> > List Printer Capabilities:
>> >
>> > strComputer = "."
>> > Set objWMIService = GetObject("winmgmts:" _
>> >   & "{impersonationLevel=impersonate}!\\" & strComputer &
>> >   "\root\cimv2")
>> >
>> > Set colInstalledPrinters = objWMIService.ExecQuery _
>> >   ("Select * from Win32_PrinterConfiguration")
>> >
>> > For Each objPrinter in colInstalledPrinters
>> >   Wscript.Echo "Name: " & objPrinter.Name
>> >   Wscript.Echo "Collate: " & objPrinter.Collate
>> >   Wscript.Echo "Copies: " & objPrinter.Copies
>> >   Wscript.Echo "Driver Version: " & objPrinter.DriverVersion
>> >   Wscript.Echo "Duplex: " & objPrinter.Duplex
>> >   Wscript.Echo "Horizontal Resolution: " & _
>> >     objPrinter.HorizontalResolution
>> >   If objPrinter.Orientation = 1 Then
>> >     strOrientation = "Portrait"
>> >   Else
>> >     strOrientation = "Landscape"
>> >   End If
>> >   Wscript.Echo "Orientation : " & strOrientation
>> >   Wscript.Echo "Paper Length: " & objPrinter.PaperLength / 254
>> >   Wscript.Echo "Paper Width: " & objPrinter.PaperWidth / 254
>> >   Wscript.Echo "Print Quality: " & objPrinter.PrintQuality
>> >   Wscript.Echo "Scale: " & objPrinter.Scale
>> >   Wscript.Echo "Specification Version: " & _
>> >     objPrinter.SpecificationVersion
>> >   If objPrinter.TTOption = 1 Then
>> >     strTTOption = "Print TrueType fonts as graphics."
>> >   ElseIf objPrinter.TTOption = 2 Then
>> >     strTTOption = "Download TrueType fonts as soft fonts."
>> >   Else
>> >     strTTOption = "Substitute device fonts for TrueType fonts."
>> >   End If
>> >   Wscript.Echo "True Type Option: " & strTTOption
>> >   Wscript.Echo "Vertical Resolution: " & objPrinter.VerticalResolution
>> > Next
>> >
>> > *****
>> >
>> > List Port Properties
>> >
>> > strComputer = "."
>> > Set objWMIService = GetObject("winmgmts:" _
```

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```
>> > & "{impersonationLevel=impersonate}!\\" & strComputer &
>> > "\root\cimv2")
>> >
>> > Set colPorts = objWMIService.ExecQuery _
>> > ("Select * from Win32_TCPIPPrinterPort")
>> >
>> > For Each objPort in colPorts
>> >     Wscript.Echo "Description: " & objPort.Description
>> >     Wscript.Echo "Host Address: " & objPort.HostAddress
>> >     Wscript.Echo "Name: " & objPort.Name
>> >     Wscript.Echo "Port Number: " & objPort.PortNumber
>> >     Wscript.Echo "Protocol: " & objPort.Protocol
>> >     Wscript.Echo "SNMP Community: " & objPort.SNMPCommunity
>> >     Wscript.Echo "SNMP Dev Index: " & objPort.SnmpDevIndex
>> >     Wscript.Echo "SNMP Enabled: " & objPort.SNMPEnabled
>> > Next
>> > *****
>> > Install a Printer:
>> >
>> > strComputer = "."
>> > Set objWMIService = GetObject("winmgmts:" _
>> > & "{impersonationLevel=impersonate}!\\" & strComputer &
>> > "\root\cimv2")
>> >
>> > Set objPrinter = objWMIService.Get("Win32_Printer").SpawnInstance_
>> >
>> > objPrinter.DriverName = "HP LaserJet 4000 Series PS"
>> > objPrinter.PortName = "IP_169.254.110.160"
>> > objPrinter.DeviceID = "ScriptedPrinter"
>> > objPrinter.Location = "USA/Redmond/Building 37/Room 114"
>> > objPrinter.Network = True
>> > objPrinter.Shared = True
>> > objPrinter.ShareName = "ScriptedPrinter"
>> > objPrinter.Put_
>> >
>> > *****
>> > Install a Printer Port:
>> >
>> > Set objWMIService = GetObject("winmgmts:" _
>> > & "{impersonationLevel=impersonate}!\\" & strComputer &
>> > "\root\cimv2")
>> > Set objNewPort = objWMIService.Get _
>> > ("Win32_TCPIPPrinterPort").SpawnInstance_
>> >
>> > objNewPort.Name = "IP_169.254.110.14"
>> > objNewPort.Protocol = 1
>> > objNewPort.HostAddress = "169.254.110.14"
>> > objNewPort.PortNumber = "9999"
>> > objNewPort.SNMPEnabled = False
>> > objNewPort.Put_
>> >
>> >
>> > --
>> > Thanks for the help!
>> > Brian
>> >
>> >
>> >
```