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**Procedure:** How to get last event (based on ID) triggered on a Windows system (WMI)

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# **How to get last event (based on ID) triggered on a Windows system (WMI)**

It could be useful to get the last event, based on **ID**, on a Windows-based system through a WMI query using VBScript.

The following code will get the last event using the ID code specified in the WMI query (**EventCode = ’7036′** in this example):

|  |
| --- |
| ‘Run the function  ShowServicesEvent  ‘The function  Public Function ShowServicesEvent()  Set dtmConvertedDate = CreateObject(“WbemScripting.SWbemDateTime”)  strComputer = “.”  count = 0  Set objWMIService = GetObject(“winmgmts:” & “{impersonationLevel=impersonate}!\\” & strComputer & “\root\cimv2″)  Set colServiceEvents = objWMIService.ExecQuery(“Select \* from Win32\_NTLogEvent Where Logfile = ‘System’ and EventCode = ’7036′”)  For Each strEvent in colServiceEvents  dtmConvertedDate.Value = strEvent.TimeWritten  Wscript.Echo dtmConvertedDate.GetVarDate  Wscript.Echo strEvent.Message  count = count + 1  if count <> 0 Then  Exit Function  End If  Next  End Function |

**Note:** note that the “*count*” section is needed to limit the results provided by WMI Core to a unique record. This is needed because WMI queries doesn’t support a “**SELECT** **TOP {X} …**” query type.

The following is the version without the “**LIMIT 1**” code portion (pay attention to run this code through a **VBScript** because it could provide a lot of records using **MsgBox**):

|  |
| --- |
| Public Function ShowServicesEvent()  Set dtmConvertedDate = CreateObject(“WbemScripting.SWbemDateTime”)  strComputer = “.”  count = 0  Set objWMIService = GetObject(“winmgmts:” & “{impersonationLevel=impersonate}!\\” & strComputer & “\root\cimv2″)  Set colServiceEvents = objWMIService.ExecQuery(“Select \* from Win32\_NTLogEvent Where Logfile = ‘System’ and EventCode = ’7036′”)  For Each strEvent in colServiceEvents  dtmConvertedDate.Value = strEvent.TimeWritten  Wscript.Echo dtmConvertedDate.GetVarDate  Wscript.Echo strEvent.Message  Next  End Function |

## **Parametric Version**

|  |
| --- |
| ShowServicesEvent(1000)  Public Function ShowServicesEvent(evcode)  Set dtmConvertedDate = CreateObject(“WbemScripting.SWbemDateTime”)  strComputer = “.”  evecode = evcode  count = 0  Set objWMIService = GetObject(“winmgmts:” & “{impersonationLevel=impersonate}!\\” & strComputer & “\root\cimv2″)  Set colServiceEvents = objWMIService.ExecQuery(“Select \* from Win32\_NTLogEvent Where Logfile = ‘System’ and EventCode = ‘” & evecode & “‘”)  For Each strEvent in colServiceEvents  dtmConvertedDate.Value = strEvent.TimeWritten  Wscript.Echo dtmConvertedDate.GetVarDate  Wscript.Echo strEvent.Message  count = count + 1  if count <> 0 Then  Exit Function  End If  Next  End Function |