

HOW TO DETERMINE THE DATE AND TIME ON A REMOTE SYSTEM USING WMI?

How to determine the date and time on a remote system using WMI?

At times, there may be a need to **sync** your client systems time with a remote system before executing a test. There are other ways to sync windows system time such as **NTP** servers. Below is one way to getting the target system time using **WMI**.

This is a "**modified**" (and tested) version of the original script posted on haripotter.wordpress.com by **HeelpBook Staff**.

```
'Here how to use this function
tGetTargetSystemDateTime "computer", "username or DOMAIN\username", "password"

Function tGetTargetSystemDateTime (ByVal hostname, ByVal username, ByVal
password)
strComputer = hostname
msgbox (strComputer)
tGetTargetSystemDateTime = ""
wbemImpersonationLevelImpersonate = 3
wbemAuthenticationLevelPktPrivacy = 6
Set objLocator = CreateObject("WbemScripting.SWbemLocator")
Set objWMIService = objLocator.ConnectServer (hostname, "root\cimv2",username
,password)
objWMIService.Security_.ImpersonationLevel = wbemImpersonationLevelImpersonate
objWMIService.Security_.AuthenticationLevel = wbemAuthenticationLevelPktPrivacy
Set colItems = objWMIService.ExecQuery("Select * From Win32_OperatingSystem")
For Each objItem in colItems
strTime = objItem.LocalDateTime
tGetTargetSystemDateTime = WMIDateStringToDate(strTime)
msgbox (tGetTargetSystemDateTime)
Exit For
Next
Set colItems = nothing
Set objWMIService = nothing
Set objLocator = nothing
End Function

Private Function WMIDateStringToDate (ByVal strTime)
WMIDateStringToDate = CDate(Mid(strTime, 5, 2) & "/" & _
Mid(strTime, 7, 2) & "/" & Left(strTime, 4) _
```

```
& " " & Mid (strTime, 9, 2) & ":" & _  
Mid(strTime, 11, 2) & ":" & Mid(strTime, 13, 2)  
End Function
```