

CHECK STATUS OF A WINDOWS SERVICE ON A REMOTE SYSTEM USING WMI

In the automation world, you may be required to check whether the product that you wanted to test is installed and the application service is running properly. You could use the below code to accomplish that. Then call the function with appropriate test parameters.

For example :

```
strServiceStatus=sGetServiceStatus "targethostname", "ServiceName"
```

Below is the function (be sure to specify the **password** and the **username** of an administrative's user):

```
Function sGetServiceStatus(ByVal strComputer, ByVal strServiceName)
if(strComputer = "") then
sGetServiceStatus = ""
Exit function
end if

wbemImpersonationLevelImpersonate = 3
wbemAuthenticationLevelPktPrivacy = 6

Set objLocator = CreateObject("WbemScripting.SWbemLocator")
Set objWMIService = objLocator.ConnectServer _
(strComputer, "/root/CIMV2","youradminusername" ,"youradminpassword"
objWMIService.Security_.ImpersonationLevel = wbemImpersonationLevelImpersonate
objWMIService.Security_.AuthenticationLevel = wbemAuthenticationLevelPktPrivacy
Set colListOfServices = objWMIService.ExecQuery _
("Select * from Win32_Service Where DisplayName ='"& strServiceName & "'")
if(colListOfServices.Count=0) then
sGetServiceStatus = ""
Exit function
end if

For Each objItem in colListOfServices
If objItem.DisplayName = strServiceName and objItem.State = "Running" Then
sGetServiceStatus = objItem.State
Exit Function
else
sGetServiceStatus = objItem.State
Exit function
End If
```

Next

```
sGetServiceStatus = ""
```

End Function