

RE: Problem faced while using Native WLAN API.

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.networks/2007-03/msg00057>

- *From:* Pavel A. <pavel_a@xxxxxxxxxxxxxxxx>
 - *Date:* Tue, 6 Mar 2007 10:34:30 -0800
-

Vista or XP?

--PA

"marimuthu.pesit@xxxxxxxx" wrote:

Hi,

In my application, I am making use of native WLAN api's.

The problem arises when I plug and unplug my WiFi adapter connected to my Laptop (I dont have a build in WiFi adapter in my laptop) continuously for about 5 to 6 times,

the function WlanOpenHandle() return a error code 1220 which is

ERROR_REMOTE_SESSION_LIMIT_EXCEEDED "An attempt was made to establish a session to a network server, but there are already too many sessions established to that server." as mentioned in MSDN.

But this issue doesnt arise if i plug and unplug the external WiFi adapter once or twice.

I have attached the code for your reference.

Please give me a solution.

```
BOOL CWireless::EnumDevices(ALL_DEVICE_INFO & pDeviceInfo)
{
    ODS("CWireless::EnumDevices");
    PWLAN_INTERFACE_INFO_LIST pAvailableInterfaces = NULL;
    DWORD dwErrorCode = ERROR_SUCCESS;
    HANDLE hClientHdl = NULL;
    DWORD dwVersion = 0;
    pDeviceInfo.NoOfDevices = 0;

    try
    {
        if ((dwError = WlanOpenHandle(WLAN_API_VERSION, NULL, // reserved
            &dwVersion, &hClientHdl)) == ERROR_SUCCESS)
        {
            WlanEnumInterfaces(hClientHdl, NULL, &pAvailableInterfaces);
        }
    }
}
```

RE: Problem faced while using Native WLAN API.

```
// This could happen if the WLAN Auto Config service is stopped
if(NULL == pAvailableInterfaces)
{
    ODS("GetEnumDevices failed");
    LogMessageInfo(WL_INFORMATION, "Wireless interfaces not
available", NULL, NULL, NULL);
    //close handle
    WlanCloseHandle(hClientHdl,
    NULL // reserved
    );
    return FALSE;
}
if(pAvailableInterfaces->dwNumberOfItems >0)
{
    CString strInterface;
    pDeviceInfo.NoOfDevices = pAvailableInterfaces->dwNumberOfItems;
    for (int nCount=0;nCount<pAvailableInterfaces-

        dwNumberOfItems;nCount++)

    {
        strInterface = pAvailableInterfaces-

            InterfaceInfo[nCount].strInterfaceDescription;

        strcpy(pDeviceInfo.chAdaptersName[nCount] , strInterface);
    }

    // Free all memory allocated by Wlan APIs
    WlanFreeMemory(pAvailableInterfaces);
    WlanCloseHandle(hClientHdl,
    NULL // reserved
    );

    hClientHdl = NULL;
    pAvailableInterfaces = NULL;
}

}
else
{
    // Free all memory allocated by Wlan APIs
    WlanFreeMemory(pAvailableInterfaces);
    WlanCloseHandle(hClientHdl,
    NULL // reserved
    );
    ODS("GetEnumDevices failed");
    return FALSE;
}

return TRUE;
```

RE: Problem faced while using Native WLAN API.

```
}  
catch(...)  
{  
  ODS("Exception at CWireless::EnumDevices");  
}  
return FALSE;
```