

# USB host controller and client driver

---

*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2007-01/msg00951.html>

---

- *From:* "aman" <[amitjobs05@xxxxxxxxxx](mailto:amitjobs05@xxxxxxxxxx)>
  - *Date:* 23 Jan 2007 20:47:21 -0800
- 

Hi

I have been trying to know the exact software sequence flow once we attach a USB device – pen drive to the usb port.

I am using WinCE 5.0 version and Plat builder IDE and Intel PXA27X Xscale BSP

Kindly tell me whether I am correct in these statements :-

1. Always, during the boot time the USB host controller driver DLL – ohci2.dll gets loaded. It is taken care by device manager.
2. This means that although my ohci2.dll gets loaded during boot time but it starts its job only after device is attached . During this time , control is given by device manager to HcdPdd\_Init inbul\_ohci.cpp (C:\WINCE500\PUBLIC\COMMON\OAK\CSP\ARM\INTEL\PXA27X\HCD)which then initializes the OHCI card within host controller and then configures the device.

Now I am not sure what exactly configuration check takes place ?? Whether its device id , vendor id only or subinterface class also ??

3. Then once this configuration check is over , Device ?Manager actually loads the corresponding client driver – ie maybe usbmsfn.dll by means of ActivateDeviceex().

What is the role of function drivers ?? Are client drivers and host drivers enough to handle all situations ??

Thanks & Regards

Amit

.