

Re: problems in USB Booting in Feature Build 2007

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.embedded/2006-10/msg00240.html>

- *From:* "Oren Winter [MS]" <orenw@xxxxxxxxxxxxxx>
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In the RTM version of the CTP we will add more clarifying messages to this instrumented version of nt detect.com. One of the most popular problems we've seen in testing so far w.r.t. BIOS is the lack of support of int 13 call 15h (GetDriveType). I suggest that you will talk to your BIOS manufacture to see if this is the problem.

Thanks,
Oren

"G.R" <arun.gr@xxxxxxxxxx> wrote in message
<news:1160560353.705712.117870@xx>

All,

Thanks for your valuable inputs and suggestions. I tried the feature build 2007 build 2. The first test I did was to find if the bios and storage medium are compatible as per the help files.

I have enabled the BIOS support for legacy emulation for USB devices. This is the only option available in my bios regarding the usb booting.

I placed NTDETECT.COM and the NTLDR boot loader without an image. The NTLDR displays the message Failed to load boot.ini and find C:\WINDOWS.

Then I copied my image with the usb boot component and used the usbntd.chk as the nt detect. Here when it tries to enumerate the bootable devices, it throw the following error

Error: No Bootable devices found on the system.

And then proceeds and tries to boot from the USB. Here is where I encounter the blue screen with 0x7B error.

From the above experiments what I understand is that my bios has the

support for the usb booting and is also compatible with my usb flash drive(Sandisk Cruzer Micro). But not able to understand why it is not

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able to find the bootable device.

Kindly help me in identifying where the problem is.

Regards,
AGR

Andy Allred [MS] wrote:

Try the latest build posted yesterday to the connect site. The steps to add usb boot now simply require adding the usb boot component and that's all.

It also has a debug version of nt detect in the valueadd folder. Rename usbntd.chk to nt detect.com. Among other things this will also detect a common bios bug that does not report some usb devices as HDDs and aren't therefore supported (the common symptom of that is a bugcheck 7B as well). This would then be an indication you might want to try a board with a better bios.

Andy

Check out the Embedded team blog: <http://blogs.msdn.com/embedded/>
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Sean Liming (eMVP) wrote:

I ran into the same thing. I wouldn't follow the steps that are proposed in the BLOG or in the documentation. If you remove the USB chipset driver there is nothing to access the USB port. Keep all the USB components in the image and just at the USB Boot 2.0 component.

The BIOS on the board needs to support USB 2.0 boot and possibly it might need to support USB HDD emulation. USB HDD emulation depends on the BIOS.

Regards,

Sean Liming

