

Re: Dynamically loading drivers for debug

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2008-01/msg00407.html>

- *From:* "Bruce Eitman [eMVP]" <beitman.nospam@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 23 Jan 2008 10:13:48 -0500
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While you wait, you could write you own tool. ToolHelpAPI gives you apis for enumerating the loaded drivers, and ActivateDeviceEx() can load your driver.

Other than the wiki page, I don't see devmgrtool as being anything but a Microsoft internal tool.

—

Bruce Eitman (eMVP)
Senior Engineer
beitman AT applieddata DOT net

Applied Data Systems
www.applieddata.net
An ISO 9001:2000 Registered Company
Microsoft WEP Gold-level Member

"Atlantex" <Atlantex@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:2F9AF050-5D39-41CD-963D-A529484A337C@xxxxxxxxxxxxxxxxxxxx

Bruce,

Thanks for the feedback. This method seems like it would work, but it sounds like it would require rebooting the device to unload the driver.

In some debugging scenarios, because of the nature of the device, I may not have physical access to the device. So the devmgrtool seems like a handy thing to have, if I could only find it.

Thanks again,

-JB-

"Bruce Eitman [eMVP]" wrote:

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You can also use KITL and the CE Shell to debug your driver. When doing so, you can exclude the driver from the OS. When the dll is required, it will be found in the \Release folder which maps back to your PC and the _FLATRELEASEDIR.

—
Bruce Eitman (eMVP)
Senior Engineer
beitman AT applieddata DOT net

Applied Data Systems
www.applieddata.net
An ISO 9001:2000 Registered Company
Microsoft WEP Gold-level Member

"Atlantex" <Atlantex@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:3CB783D4-AE0B-4407-BC11-38E5DA7BCFAE@xxxxxxxxxxxxxxxxxxxx

I'm starting work on developing some user-mode device drivers, as well as a service. I'd like to avoid having to download the whole 25 meg. image every time we change one line of code in the driver. Ideally, we'd like to be able to have our base CE image installed in flash on the device, boot the device up, fire up Visual Studio with a non-PB project, and then deploy and debug our test app and driver & service DLL's.

I've seen some posts that refer to loading drivers and services on the fly with ActivateDevceEx and ActivateServiceEx. Is this the right way to go? Or is there a better/easier way?

Any help that points us in the right direction would be greatly appreciated.

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Thanks,

-John-