

# Re: loadcepc for linux

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*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2007-04/msg00067.html>

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- *From:* "Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com>
  - *Date:* Fri, 6 Apr 2007 08:39:47 -0700
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nk.bin is not an 'executable' in the sense that some EXE file is. It's a file that tells you what bytes need to be in what locations in the address space of the processor in order for the OS to run, and what location is that 'entry point' of that image. \*IF\* the nk.bin is set up to run from RAM, you could do what loadcepc does from DOS: reads the nk.bin file, copies the various segments of data to the right places in RAM, and then jumps to the right place, but Windows CE is not designed to run from within the context of another operating system, so it's going to take over the MMU operations, etc.

I don't understand why you need Linux in order to do field updates of the OS? Why not just write a bootloader that resides in ROM at a suitable location to launch on startup. That would, in turn, find the nk.bin on some persistent storage and load it into the right locations in RAM and jump to it. If you need to update the nk.bin, you can do that however you want; it's just a file in the Windows CE filesystem.

Paul T.

<maroi@xxxxxx> wrote in message  
<news:1175847470.658831.288220@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Hi!

I've written this before in comp.arch.embedded, but nobody answered.

I'm currently working on a project with the compulab cm x270. I want to boot a Linux OS and afterwards start a NK.bin from the filesystem. We need that feature because we want to implement field upgrades from USB, SD, CAN, LAN, etc..

I know that there is a app called loadcepc from microsoft, this program is exactly what we need but without all the features like ethernet, parallel port and serial download, i just want to run the nk.bin from a mounted flash.

Do you know if there is such a application available?

Best regards  
Mario Rogen

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