

# Re: Incorporating a 3rd party driver into a BSP/Image

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*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2007-08/msg00386.html>

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- *From:* Roger Williamson <[RogerWilliamson@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:RogerWilliamson@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Thu, 16 Aug 2007 17:44:31 -0700
- 

I don't think I'm modifying the right platform .dat file, or maybe I'm doing something totally wrong.

I've modified the platform.dat file in each of the hardware, software, and common directories, and no change has shown up on my device! I've made the image, that didn't work, so then I performed a sysgen and make image, also to no avail.

I've even modified .dat file exactly how the "File System File" article recommends, just so that I had a baseline, and got nowhere with that either.

Can you give me a few more pointers?

"Paul G. Tobey [eMVP]" wrote:

I've done a CEC file to add the Summit card driver to my CE4.2 catalog. There's no more effort to doing it that way than to trying to weave it into the BSP (and you can then build the driver into any device, based on any BSP, at least any with an ARM processor in it). Since the driver has \*no\* relationship with your Board or anything else in the BSP, that's not really the right place for it, but you can modify the .dat and .bib files as I indicated, if you want. I set my stuff up so that the entire CAB-based install arrangement of folders is matched. If you're actually low on memory, that's probably not the right choice for you, but it is possible.

Paul T.

"Roger Williamson" <[RogerWilliamson@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:RogerWilliamson@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:CA6EF0CD-1F75-4C95-9406-FE5612F710E8@xxxxxxxxxxxxxxxxxxxx](mailto:news:CA6EF0CD-1F75-4C95-9406-FE5612F710E8@xxxxxxxxxxxxxxxxxxxx)

Paul,

Thanks for the response.

I see what my problem was with the extra directories, I was attempting

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to  
create a folder for them in my release directory in the hope that the  
folder  
would get transfered over. (perhaps a bit foolish)

The higher ups at the company want the driver added to the BSP because  
they want an engineer a year down the road—when some problem inevitably  
comes up—to be able to restore what I'm doing now with basically zero  
effort.

The card is a summit compact flash wireless B card. I'm not sure which  
one, since another engineer was handling getting it up and running at all  
(via a 3rd party CAB file, so we don't have the source files)

On a related note, is there a good .cec file creation tutorial out  
there?

Thanks again,  
Roger

"Paul G. Tobey [eMVP]" wrote:

Hang on. It's binary files, right? Put it in platform.bib and  
everything  
will go into the \Windows folder (that's the only choice and  
non-negotiable). If you need to have the files \*copied\* from  
\Windows to  
some other location at run-time, you can do that with entries  
in the  
platform.dat file.

As far as 'making it part of my BSP', I'm not sure what that  
means to  
you.  
You're going to ship this BSP to others for use in creating  
their own OS  
configurations for your hardware? If not, you can put the  
entries for  
your  
driver into its own catalog item and add/remove them from  
any OS  
configuration, regardless of what BSP it's targeting.

Can we know what WiFi card we're talking about?

Paul T.

"Roger Williamson"  
<RogerWilliamson@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote  
in

Re: Incorporating a 3rd party driver into a BSP/Image

message

[news:555E2858-0C80-4490-9E07-E3D14C32A3DE@xxxxxxxxxxxxxxxxxxxx](mailto:news:555E2858-0C80-4490-9E07-E3D14C32A3DE@xxxxxxxxxxxxxxxxxxxx)

I have a .CAB file which installs a WiFi card driver onto the CE device  
I'm developing. I've been able to extract out all the binary files, and the registry changes necessary to get the driver up and running, but I've run into a problem.

I don't know how to incorporate a binary-only driver into a BSP (especially not one with several components which installs itself across subdirectories in the \Windows folder)

Even worse, the word from higher-ups says I have to get rid of the CAB support since it is taking up too much space, so I have to incorporate this driver into my image at least, even if it is impossible to make it part of the BSP.