

## RE: connecting platform builder to ARM 9 board using KITL serial transport

**Source:**

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2004-03/0130.html>

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**From:** paul\_chao (*anonymous\_at\_discussions.microsoft.com*)

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Date: Wed, 3 Mar 2004 00:16:05 -0800

Hi Maria,

You can add the codes in function OEMKitlInit() to replace function call InitEther()

```
if (!InitSerial(pKitl)) {  
    KITLOutputDebugString("Unable to initialize KITL Transports!\n");  
    return FALSE;  
}
```

About how to implete function InitSerial(), please reference  
%\_WINCEROOT%\platform\CEPC\kernel\hal\halserkitl.c

I have tested it on Windows CE.NET 4.2 for Motorola MC9328MX1 reference board.

Regards,  
Paul, Chao  
@ Techware

----- Maria wrote: -----

Hi all,

I am porting windows CE 4.1 to ARM 9 custom board. I am in the process of implementing the OAL layer, and the kernel boots up, calls OEMinit, and finally calls OEMidle (if KITL routines are not invoked)

Now I wish to bring up a shell and KITL support, as documented in  
<http://msdn.microsoft.com/library/default.asp?url=/library/en-us/wcedsn40/html/cghowhowtodevelopoal.asp>.

I have implemented the required KITL OAL routines. The connection between the host computer and the target board (excalibus) is over serial port. When I run the KITL enabled kernel, and try to connect to platform builder, the responses at the Platform builder and the target side are as given below.

Platform builder – Kernel debugger is waiting to connect with target.

Target kernel is looping at the connectTodesktop routine (which is called

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in continuation with OEMKitlinit).

Can any one please advice me on how to bring up the connection between platform builder and the target device over a Serial KITL connection. I am not using platform builder to download the kernel or to build the kernel. I built the kernel using command line tools and use a flash utility to download the kernel to the flash of the target board.

Thanks in advance,  
Mariam.