

Problems with Booting XPe from CD-ROM

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Hello,

I've tried to boot a XP Embedded image from CD-ROM like described in Chapter 11 of the XP Embedded Advanced book from Sean D. Liming. My target is the Pentium based VMEBus Single Board Computer VR9 from SBS, the HD is a 6 GB Microdrive from Hitachi, my drive is the DVD-R/-RW drive SD-R6112 from Toshiba. Because there is no possibility to connect further IDE devices to that board, I've connected the driver via an adapter to an USB port of the target board.

The image has been generated by first importing the Target Analyzer informations about my target board and then adding the necessary EWF and El Torito components and the Command Shell like described in the book.

The first problem I have encountered is that after having booted the image from disk with the Pre-FBA El Torito Disk in the drive ewfmgr reported "Unable to find an Ewf volume" and ewfmgr c: reported "Failed getting protected volume configuration with error 1" also the contents of fbalog.txt showed that the EWF volume had been created. Diskpart also found the 32 KB EWF volume after the two primary partitions I had created on the disk (C: 160 MB, D: 900 MB). Furthermore the El Torito disk had not been found.

I've solved this problem by replacing the Command Shell component by the Task Manager Shell like in the EWF example in Chapter 10 of the book from Sean Liming. Now my el torito disk had been found and ewfmgr and ewfmgr c: yielded the expected outputs like described in the book.

In the explorer the following three partitions were visible:

C: 160 MB

D: 899 MB

F: 160 MB

E is the DVD drive. I assume that F is the El Torito drive generated by the El Torito driver.

But now if I call etprep -all I get the following messages:

Deleted EWF partitions = 1

Start value for Redbook/IMAPI services has been reset to zero.

Failed to swap El Torito disk drive letter. Error = 0x1.

After that the system automatically reboots which ends with a BSOD with the following outputs:

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STOP: c000007b {Bad Image}

The application or DLL \\??\C:\WINDOWS\system32\shsvcs.dll is not a valid windows image. Please check this against your installation diskette.

Every reboot brings this Blue Screen again.

So my two questions are: Why I need the Task Manager Shell to let the El Torito Disk found and let ewfmgmt find the EWF volume and why the swapping of the disk drive letters get failed (I assume that the Blue Screen is a consequence of this). I've read in a message on this topic that USB drives will not function. Is this really true?

Who can help me? Any hint will be appreciated.

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