

DEBUG Image does not boot (CE5.0)

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2005-11/msg00129.html>

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 - *Date:* Fri, 4 Nov 2005 07:07:03 -0800
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I am working on an Intel 855 Wince 5.0 product. I have configured the HIVE-BASED Registry and it works fine in my release build. If I create a debug build my image stops with the message "FILESYS: Starting device and waiting for boot file system."

I am not sure why it is working perfect in release build.

My system:

X86, Compact Flash (IDE), Hive-Bases Registry, Mount as Rom, Mount as Root, ROM-ONLY Filesystem, Windows CE 5.0

This is my debug output:

Booting kernel with clean memory configuration:

Memory Sections:

[0] : start: 83385000, extension: 0001d000, length: 1c25e000

X86Init done, OEMAddressTable = 8023e298.

Windows CE KernelInit

Updated eptr->e32_vsize to = 0008d000

Scheduling the first thread.

0x9f5ff030: KernelInit2: pCurThread=9f5ff030 hCurThread=1f5ff1de

hCurProc=1f5ff002, KernelInit = 802613b0

0x9f5ff030: Updated eptr->e32_vsize to = 00005000

0x9f5ff030: Updated eptr->e32_vsize to = 00022000

0x9f5ff030: Updated eptr->e32_vsize to = 00007000

0x9f5ff030: Updated eptr->e32_vsize to = 00018000

0x9f5ff030: Starting kernel debugger software probe (KdStub) - KD API

version 18

0x9f5ff030: Calling KDEnableInt (FALSE, NULL) without previously calling KDEnableInt (FALSE, p)

0x9f5ff030: >>> Loading module NK.EXE at address 0x80220000-0x802AD000 (RW data at 0x83310000-0x83361A9F)

0x9f5ff030: first = 00d20000, last = 02000000, SharedDllBase = 021a0000

0x9f5ff030: >>> Loading module coredll.dll at address 0x03F40000-0x03FF4000 (RW data at 0x01FFE000-0x01FFF765)

0x9f5ff030: Did not find emulation code for x86... using floating point hardware.

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0x9f5ed9dc: >>> Loading module coredll.dll at address 0x03F40000-0x03FF4000
(RW data at 0x01FFE000-0x01FFF765)
0x9f5ed9dc: >>> Loading module filesys.exe at address 0x04010000-0x04070000
0x9f5ed9dc: CertMod.dll not found, using old OEM Trust Model
0x9f5ed9dc: FileSystem Starting - starting with clean file system
0x9f5ed9dc: FS: initializing ROM-only file system
0x9f5ed9dc: SC_CreateAPIHandle: pvData == NULL
0x9f5ed9dc: FS: Registering file system ROM, index 3, flags 0x00000031
0x9f5ed9dc: FS: Mount complete (ROM, index 3, flags 0x00000031)
0x9f5ed9dc: OEMIoControl: Unsupported Code 0x101008c - device 0x0101 func 35
0x9f5ed9dc: FSVOL: Opening existing volume
0x9f5ed9dc: FSVOL: Volume heap already initialized
0x9f5ed9dc: FSREG: Mounted ROM portion of boot registry
0x9f5ed9dc: FSVOL: Creating clean virtual volume
0x9f5ed9dc: FSVOL: Initializing volume heap
0x9f5ed9dc: FSREG: Mounted RAM portion of boot registry
0x9f5ed9dc: PCIReg(key: , device: 0/0/0)
0x9f5ed9dc: FS: Creating signal event SYSTEM/DevMgrApiSetReady
0x9f5ed9dc: FS: Creating signal event SYSTEM/PowerManagerReady
0x9f5ed9dc: FS: Creating signal event SYSTEM/GweApiSetReady
0x9f5ed9dc: FSREG: Unable to read value "Start DevMgr" under
HKEY_LOCAL_MACHINE\init\BootVars
0x9f5ed9dc: FILESYS: Starting storage manager.
0x9f5ed9dc: >>> Loading module fsdmgr.dll at address 0x03C70000-0x03C93000
(RW data at 0x01FCE000-0x01FCE810)
0x9f5ed9dc: FS: Registering file system StoreMgr, index 4, flags 0x00000001
0x9f5ed9dc: InitSharedHeap: 54200000 10000 c
0x9f5ed9dc: InitSharedHeap: return 54200060
0x9f5ed9dc: FILESYS: Restarting storage manager.
0x9f5ed9dc: FILESYS: Starting device and waiting for boot file system.
0x9f5ef800: >>> Loading module coredll.dll at address 0x03F40000-0x03FF4000
(RW data at 0x01FFE000-0x01FFF765)
0x9f5ef800: >>> Loading module pm.dll at address 0x03EE0000-0x03EFD000 (RW
data at 0x01FF6000-0x01FF6708)
0x9f5ef800: >>> Loading module devmgr.dll at address 0x03F20000-0x03F35000
(RW data at 0x01FFC000-0x01FFC6B4)
0x9f5ef800: >>> Loading module device.exe at address 0x06010000-0x06013000
0x9f5ef800: InitSharedHeap: 54200000 0 c
0x9f5ef800: InitSharedHeap: return 54200060
0x9f5ef800: *** DLL_PROCESS_ATTACH - Current Process: 0x42, ID: 0x9f57cd9a ***
0x9f5ef800: +InitDeviceFileSystems
0x9f5ef800: FS: Registering file system $device, index 5, flags 0x00000001
0x9f5ef800: FS: Registering file system $bus, index 6, flags 0x00000001
0x9f5ef800: -InitDeviceFi0x9f5ed9dc: FS: Waiting for device to signal
BootPhase1 completion
leSystems: status is 1
0x9f5ef800: >>> Loading module ceddk.dll at address 0x03BE0000-0x03BE7000
(RW data at 0x01FC2000-0x01FC20CC)
0x9f5ef800: Ceddk!CalibrateStallCounter: Enter
0x9f5ef800: Ceddk!CalibrateStallCounter: Could not find stall counter
0x9f5ef800: Ceddk!BeginCalibration: min(1194) max(1326)
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0x9f5ef800: Ceddk!BeginCalibration: Elapsed is 1210
0x9f5ef800: Ceddk!BeginCalibration: Delay is 180
0x9f5ef800: DEVICE!DevloadInit
0x9f5ef800: DEVICE!InitDevices: Root Key is Drivers\BuiltIn.
0x9f5ef800: DEVICE!RegReadActivationValues
RegQueryValueEx(Drivers\BuiltIn\Prefix) returned 2
0x9f5ef800: DEVICE!RegReadActivationValues
RegQueryValueEx(Drivers\BuiltIn\BusPrefix) returned 2
0x9f5ef800: >>> Loading module busenum.dll at address 0x03F00000–0x03F07000
(RW data at 0x01FF8000–0x01FF850C)
0x9f5ef800: DEVICE!RegReadActivationValues
RegQueryValueEx(Drivers\BuiltIn\JInitBM\BusPrefix) returned 2
0x9f5ef800: >>> Loading module jinitbm.dll at address 0x00FB0000–0x00FB4000
0x9f5ef800: JInitBM: Enabling PCI Busmastering
0x9f5ef800: DEVICE!RegReadActivationValues
RegQueryValueEx(Drivers\BuiltIn\PCI\Prefix) returned 2
0x9f5ef800: DEVICE!RegReadActivationValues
RegQueryValueEx(Drivers\BuiltIn\PCI\BusPrefix) returned 2
0x9f5ef800: >>> Loading module pcibus.dll at address 0x01220000–0x01239000
0x9f5ef800: PCIBUS!PCIRequestResources: I/O Resource Manager request for I/O
range 0x0–0x3 failed
0x9f5ef800: PCIBus!PCIEnum: WARNING: Resource request for device 0:31:1 failed
0x9f5ed9dc: FILESYS: Starting device and waiting for boot file system.

Thanks for your help!

• *Follow-Ups:*

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◇ *From:* Clinton D. Britt

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