

Re: Can't see CF disks when booting from USB device (RAMDisk)

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.embedded/2004-11/0153.html>

From: Slobodan Brcin \((eMVP\) (sbrcin_at_ptt.yu)

Date: 11/03/04

Date: Wed, 3 Nov 2004 22:53:44 +0100

Hi Mark,

So you don't need more help?
It sounds strange that BIOS matters for this problem.

Regards,
Slobodan

"Mark K Vallevand" <mark.vallevand@unisis.com> wrote in message
news:OypSsEwEHA.1292@TK2MSFTNGP10.phx.gbl...
> *Yep. It works now. I guess the BIOS really matters.*
>
> --
> *Regards.*
> *Mark K Vallevand*
> *"Mark K Vallevand" <mark.vallevand@unisis.com> wrote in message*
> *news:OWza4DewEHA.3808@TK2MSFTNGP15.phx.gbl...*
>> *I'm going to rebuild and run through FBA and build the USB device again.*
> *I*
>> *ran FBA on a machine with the same hardware, but different BIOS. That*
> *might*
>> *maek a difference.*
>>
>> --
>> *Regards.*
>> *Mark K Vallevand*
>> *"Mark K Vallevand" <mark.vallevand@unisis.com> wrote in message*
>> *news:u2\$E6NdwEHA.3840@tk2msftngp13.phx.gbl...*
>>> *OK. Here is the registry that shows the MountedDevices.*
>>>
>>> *Windows Registry Editor Version 5.00*
>>>
>>> *[HKEY_LOCAL_MACHINE\SYSTEM\MountedDevices]*
>>>
>>

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```
> "\\?\Volume{a4d19900-2ceb-11d9-93bd-806d6172696f}"=hex:b0,ea,de,a0,00,7e,0
> > > 0,|
> > > 00,00,00,00,00
> > >
> >
> "\\?\Volume{a4d19901-2ceb-11d9-93bd-806d6172696f}"=hex:b0,ea,de,a0,00,78,6
> > > a,|
> > > 1d,00,00,00,00
> > > "\\DosDevices\D:"=hex:b0,ea,de,a0,00,7e,00,00,00,00,00,00
> > > "\\DosDevices\E:"=hex:b0,ea,de,a0,00,78,6a,1d,00,00,00,00
> > >
> > > Here is the edited setupapi.log file.
> > >
> > > [2004/11/02 16:25:51 620.3 Driver Install]
> > > #-019 Searching for hardware ID(s):
> > >
> > >
> ide\disksti_flash_6.1.0_____rev6.1.0,ide\sti_flash_6.1.0
> > >
> > >
> _____rev6.1.0,ide\disksti_flash_6.1.0_____
> > > _____,sti_flash_6.1.0_____rev6.1.0,gendisk
> > > #-018 Searching for compatible ID(s): gendisk
> > > #-198 Command line processed: C:\windows\system32\services.exe
> > > #I022 Found "GenDisk" in C:\windows\inf\disk.inf; Device: "Disk drive";
> > > Driver: "Disk drive"; Provider: "Microsoft"; Mfg: "(Standard disk
> > > drives)";
> > > Section name: "disk_install".
> > > #I023 Actual install section: [disk_install.NT]. Rank: 0x00000004.
> > > Effective
> > > driver date: 07/01/2001.
> > > #-166 Device install function: DIF_SELECTBESTCOMPATDRV.
> > > #I063 Selected driver installs from section [disk_install] in
> > > "c:\windows\inf\disk.inf".
> > > #I320 Class GUID of device remains:
> > > {4D36E967-E325-11CE-BFC1-08002BE10318}.
> > > #I060 Set selected driver.
> > > #I058 Selected best compatible driver.
> > > #-166 Device install function: DIF_INSTALLDEVICEFILES.
> > > #I124 Doing copy-only install of
> > >
> > >
> "IDE\DISKSTI_FLASH_6.1.0_____REV6.1.0\532049545031423030
> > > 3232333634303231323435".
> > > #-166 Device install function: DIF_REGISTER_COINSTALLERS.
> > > #I056 Coinstallers registered.
> > > #-166 Device install function: DIF_INSTALLINTERFACES.
> > > #-011 Installing section [disk_install.NT.Interfaces] from
> > > "c:\windows\inf\disk.inf".
> > > #I054 Interfaces installed.
> > > #-166 Device install function: DIF_INSTALLDEVICE.
```

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```
> > > #I123 Doing full install of
> > >
> > >
> > > "IDE\DISKSTI_FLASH_6.1.0_____REV6.1.0\532049545031423030
> > > 3232333634303231323435".
> > > #I163 Device not started: Device has problem: 0x27:
> > > CM_PROB_DRIVER_FAILED_LOAD.
> > > #I121 Device install of
> > >
> > >
> > > "IDE\DISKSTI_FLASH_6.1.0_____REV6.1.0\532049545031423030
> > > 3232333634303231323435" finished successfully.
> > > [2004/11/02 16:25:55 620.8 Driver Install]
> > > #-019 Searching for hardware ID(s):
> > >
> > >
> > > pci\ven_1002&dev_4c59&subsys_4c591002&rev_00,pci\ven_1002&dev_4c59&subsys_4c
> > > 591002,pci\ven_1002&dev_4c59&cc_030000,pci\ven_1002&dev_4c59&cc_0300
> > > #-018 Searching for compatible ID(s):
> > >
> > >
> > > pci\ven_1002&dev_4c59&rev_00,pci\ven_1002&dev_4c59,pci\ven_1002&cc_030000,pc
> > > i\ven_1002&cc_0300,pci\ven_1002,pci\cc_030000,pci\cc_0300
> > > #-198 Command line processed: C:\windows\system32\services.exe
> > > #-166 Device install function: DIF_SELECTBESTCOMPATDRV.
> > > #W059 Selecting best compatible driver failed. Error 0xe0000228: There
> > > are
> > > no compatible drivers for this device.
> > > #W157 Default installer failed. Error 0xe0000228: There are no
> > > compatible
> > > drivers for this device.
> > > [2004/11/02 16:25:55 620.11 Driver Install]
> > > #-019 Searching for hardware ID(s): ramdisk\ramvolume
> > > #-198 Command line processed: C:\windows\system32\services.exe
> > > #-166 Device install function: DIF_SELECTBESTCOMPATDRV.
> > > #W059 Selecting best compatible driver failed. Error 0xe0000228: There
> > > are
> > > no compatible drivers for this device.
> > > #W157 Default installer failed. Error 0xe0000228: There are no
> > > compatible
> > > drivers for this device.
> > >
> > >
> > > [2004/11/02 16:26:08 620.46 Driver Install]
> > > #-019 Searching for hardware ID(s):
> > > usb\vid_0781&pid_7101&rev_0102,usb\vid_0781&pid_7101
> > > #-018 Searching for compatible ID(s):
> > > usb\class_08&subclass_06&prot_50,usb\class_08&subclass_06,usb\class_08
> > > #-198 Command line processed: C:\windows\system32\services.exe
> > > #I022 Found "USB\Class_08&SubClass_06&Prot_50" in
> > > C:\windows\inf\usbstor.inf; Device: "USB Mass Storage Device"; Driver:
> > > "USB
```

Re: Can't see CF disks when booting from USB device (RAMDisk)

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```
>>> Mass Storage Device"; Provider: "Microsoft"; Mfg: "Compatible USB
> storage
>>> device"; Section name: "USBSTOR_BULK".
>>> #I023 Actual install section: [USBSTOR_BULK.NT]. Rank: 0x00002000.
>> Effective
>>> driver date: 07/01/2001.
>>> #-166 Device install function: DIF_SELECTBESTCOMPATDRV.
>>> #I063 Selected driver installs from section [USBSTOR_BULK] in
>>> "c:\windows\inf\usbstor.inf".
>>> #I320 Class GUID of device remains:
>>> {36FC9E60-C465-11CF-8056-444553540000}.
>>> #I060 Set selected driver.
>>> #I058 Selected best compatible driver.
>>> #-166 Device install function: DIF_INSTALLDEVICEFILES.
>>> #I124 Doing copy-only install of "USB\VID_0781&PID_7101\00388750".
>>> #-166 Device install function: DIF_REGISTER_COINSTALLERS.
>>> #I056 Coinstallers registered.
>>> #-166 Device install function: DIF_INSTALLINTERFACES.
>>> #-011 Installing section [USBSTOR_BULK.NT.Interfaces] from
>>> "c:\windows\inf\usbstor.inf".
>>> #I054 Interfaces installed.
>>> #-166 Device install function: DIF_INSTALLDEVICE.
>>> #I123 Doing full install of "USB\VID_0781&PID_7101\00388750".
>>> #I121 Device install of "USB\VID_0781&PID_7101\00388750" finished
>>> successfully.
>>>
>>> [2004/11/02 16:26:10 620.6 Driver Install]
>>> #-019 Searching for hardware ID(s):
>>>
>>>
> usbstor\diskgeneric_storage_device__1.02,usbstor\diskgeneric_storage_device_
>>>
>>>
> _usbstor\diskgeneric_usbstor\generic_storage_device__1,generic_storage_dev
>>> ice__1,usbstor\gendisk,gendisk
>>> #-018 Searching for compatible ID(s): usbstor\disk,usbstor\raw
>>> #-198 Command line processed: C:\windows\system32\services.exe
>>> #I022 Found "GenDisk" in C:\windows\inf\disk.inf; Device: "Disk drive";
>>> Driver: "Disk drive"; Provider: "Microsoft"; Mfg: "(Standard disk
>> drives)";
>>> Section name: "disk_install".
>>> #I023 Actual install section: [disk_install.NT]. Rank: 0x00000006.
>> Effective
>>> driver date: 07/01/2001.
>>> #-166 Device install function: DIF_SELECTBESTCOMPATDRV.
>>> #I063 Selected driver installs from section [disk_install] in
>>> "c:\windows\inf\disk.inf".
>>> #I320 Class GUID of device remains:
>>> {4D36E967-E325-11CE-BFC1-08002BE10318}.
>>> #I060 Set selected driver.
>>> #I058 Selected best compatible driver.
```

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>>> #166 Device install function: DIF_INSTALLDEVICEFILES.
>>> #I124 Doing copy-only install of
>>> "USBSTOR\DISK&VEN_GENERIC&PROD_STORAGE_DEVICE&REV_1.02\00388750&0".
>>> #166 Device install function: DIF_REGISTER_COINSTALLERS.
>>> #I056 Coinstallers registered.
>>> #166 Device install function: DIF_INSTALLINTERFACES.
>>> #011 Installing section [disk_install.NT.Interfaces] from
>>> "c:\windows\inf\disk.inf".
>>> #I054 Interfaces installed.
>>> #166 Device install function: DIF_INSTALLDEVICE.
>>> #I123 Doing full install of
>>> "USBSTOR\DISK&VEN_GENERIC&PROD_STORAGE_DEVICE&REV_1.02\00388750&0".
>>> #I163 Device not started: Device has problem: 0x27:
>>> CM_PROB_DRIVER_FAILED_LOAD.
>>> #I121 Device install of
>>> "USBSTOR\DISK&VEN_GENERIC&PROD_STORAGE_DEVICE&REV_1.02\00388750&0"
>>> finished
>>> successfully.
>>>
>>>
>>> --
>>> Regards.
>>> Mark K Vallevand
>>> "Slobodan Brcin (eMVP)" <sbrcin@ptt.yu> wrote in message
>>> news:eBrhFITwEHA.1296@TK2MSFTNGP10.phx.gbl...
>>>> Hi Konstantin,
>>>>
>>>>> And one more quick question.. When you capture the image in SDI
>>> file,
>>>> did you delete the MountedDevices key? And
>>>>> [HKLM\SYSTEM\Setup], "SystemPartition" value as well?
>>>>>
>>>>> I don't think that not removing these entries it would produce this
>>> error.
>>>> Anyway in his first post he said that he deleted all
>>>>> these entries. Although I can't explain how he can see D:, E: etc if
>>> 0x27
>>>> error is reported.
>>>>>
>>>>> Regards,
>>>>> Slobodan
>>>>>
>>>>> "KM" <konstmor@nospam_yahoo.com> wrote in message
>>>>> news:%238ijpkTwEHA.2192@TK2MSFTNGP14.phx.gbl...
>>>>>> Hi Mark,
>>>>>>>
>>>>>>> Yes there were always problems with drivers being started and then
>>> failing to unload.
>>>>>>>
>>>>>>> Isn't the 0x27 – Device Not Started (CM_PROB_DRIVER_FAILED_LOAD)?
>>>>>>> I mean it seem to fail to load.

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>>>>

>>>> *Mark, I wonder if you run through FBA with the same disks presented?*

>>>> *Something similar has been discussed here:*

>>>>

>>>

>>

>

<http://groups.google.com/groups?hl=en&lr=&c2coff=1&selm=BA974DB1-A155-4544-8501-FAD4C6CB4BC7%4>

>>>>

>>>> *And one more quick question.. When you capture the image in SDI*

> file,

>>> *did you delete the MountedDevices key? And*

>>>> *[HKLM\SYSTEM\Setup], "SystemPartition" value as well?*

>>>>

>>>> --

>>>> *Regards,*

>>>> *KM*

>>>>

>>>>> *You will have to analyze setupapi more closely or give us here*

>> relevant pieces of log.

>>>>>

>>>>> *Regards,*

>>>>> *Slobodan*

>>>>>

>>>>> *"Mark K Vallevand" <mark.vallevand@unisys.com> wrote in message*

>>> news:OwsnNvSwEHA.2624@TK2MSFTNGP11.phx.gbl...

>>>>>> *OK.*

>>>>>>

>>>>>> *The setupapi.log shows that both had error 0x27 and the driver*

>>> failed to

>>>> load.

>>>>>>

>>>>>> *The IDE lights flash. The USB lights flash. That is something.*

>>>>>>

>>>>>> *I'm running late. I'll chase 0x27 tomorrow. I'm sure its been*

>> seen

>>> before.

>>>>>> *I probably have seen it before. But, my memory gets purged*

>>> sometimes.

>>>>>>

>>>>>> --

>>>>>> *Regards.*

>>>>>> *Mark K Vallevand*

>>>>>> *"Mark K Vallevand" <mark.vallevand@unisys.com> wrote in message*

>>>>>> news:uTLyQlSwEHA.1976@TK2MSFTNGP09.phx.gbl...

>>>>>>> *Forgot to look at setupapi.log. I'll do that this time. I'll*

>>> boot this

>>>>>>> thing in a few minutes and look.

>>>>>>>

>>>>>>> *The volumes D: and E: appear in the MountedDrives. Again, I*

>>> didn't write

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>>>>>>> *they exact stuff down, but it looks correct. Something about*
>> *USB*
>>> *device*
>>>>>>> *and*
>>>>>>> *D:. Something about STI disk and E:. (I'm using STI CF*
>> *devices.)*
>>>>>>>>
>>>>>>>> *Stay tuned.*
>>>>>>>> *--*
>>>>>>>> *Regards.*
>>>>>>>> *Mark K Vallevand*
>>>>>>>> *"Slobodan Brcin (eMVP)" <sbrcin@ptt.yu> wrote in message*
>>>>>>>> *news:esSbQfSwEHA.4040@TK2MSFTNGP11.phx.gbl...*
>>>>>>>> *Hi Mark,*
>>>>>>>>>
>>>>>>>>> *Check setupapi.log or use device manager or devcon to see if*
>>> *drivers*
>>>>>>>> *were*
>>>>>>>> *installed.*
>>>>>>>>>
>>>>>>>>> *I've changed the disk service start to 3.*
>>>>>>>>>
>>>>>>>>> *Probably pulled from inf file during the PnP, it does not*
>>> *matter.*
>>>>>>>>>
>>>>>>>>>> *Under the MountedDrives I see*
>>>>>>>>>> *entries that seem to correspond to the USB disk device and*
>> *the*
>>> *first*
>>>>>>>> *CF*
>>>>>>>> *disk*
>>>>>>>>>
>>>>>>>>> *Do see there volumes like D:, E:, etc? What do you see?*
>>>>>>>>>
>>>>>>>>> *Regards,*
>>>>>>>>> *Slobodan*
>>>>>>>>>>
>>>>>>>>>> *"Mark K Vallevand" <mark.vallevand@unisys.com> wrote in*
>> *message*
>>>>>>>>> *news:%2353DvMSwEHA.2572@tk2msftngp13.phx.gbl...*
>>>>>>>>>> *I'm building a new USB boot image based on the RAMDisk*
>>> *technique that*
>>>>>>>>> *is*
>>>>>>>>>> *commonly discussed in this group. I followed my*
> *documented*
>>> *procedures*
>>>>>>>>> *and*
>>>>>>>>>> *found that I can't see any drives except the C: (RAMDisk).*
>>> *Normally I*
>>>>>>>>> *see*
>>>>>>>>>> *the RAMDisk, the USB drive, and the partitions on my CF*

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>>>>>
>>>>>
>>>>
>>>>
>>>
>>>
>>
>>
>
>