

## Re: ewfOpen returned invalid file handle

**Source:**

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.embedded/2004-03/1352.html>

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**From:** Slobodan Brcin \((eMVP\) (*sbrcin\_at\_ptt.yu*)

**Date:** 03/27/04

Date: Sat, 27 Mar 2004 17:33:39 +0100

Hi Greg,

Then you should read this:

[http://www.xpefiles.com/a\\_file.cfm?custid=Components&fileid=ramewf.zip&group Name=Other](http://www.xpefiles.com/a_file.cfm?custid=Components&fileid=ramewf.zip&group Name=Other)

Regards,  
Slobodan

~~~~~  
Have an opinion on the effectiveness of Microsoft Embedded newsgroups? Tell Microsoft!  
<https://www.windowsemergedeal.com/community/newsgroups>  
~~~~~

"Greg Martin" <gregmartin@rcwa.com.au> wrote in message  
news:uJ3zmvAFEHA.1152@TK2MSFTNGP10.phx.gbl...  
> *Hi Slobodan.*  
>  
> *I have it all sorted here.*  
>  
> *But to answer your questions:*  
> *I have used the Sandisk utility to set the CF card to non-removable*  
> *under XPE.*  
> *I am using a single flash card with 1 OS partition, and one data*  
> *partition.*  
>  
> *My clients are writing a lot of data to a flash card, and the OS was*  
> *getting corrupted when running on a single partition. I have therefore*  
> *partitioned the disk into three parts (OS, data and EWF) as they have*  
> *requested.*  
>  
> *I am also setting up an alternate that will use a RAM EWF for them (I*  
> *believe that is the better way for them to go, here).*  
>  
> *Regards,*  
>

> *Greg Martin.*  
>  
> *Slobodan Brcin (eMVP) wrote:*  
> > *Hi Greg,*  
> >  
> > *I didn't completely understand problem you have.*  
> > *Do you have removable or fixed disk?*  
> > *Do you want one or two protected partitions?*  
> >  
> > *Regards,*  
> > *Slobodan*  
> >  
> > ~~~~~  
> > *Have an opinion on the effectiveness of Microsoft Embedded newsgroups?*  
Tell  
> > *Microsoft!*  
> > <https://www.windowsemergedeal.com/community/newsgroups>  
> > ~~~~~  
> >  
> > *"Greg Martin" <gregmartin@rcwa.com.au> wrote in message*  
> > *news:Odmkui#EEHA.2404@TK2MSFTNGP11.phx.gbl...*  
> >  
> >> *Helmuth,*  
> >>  
> >> *Do you have a small amount of raw, unpartitioned space available on the*  
> >> *disk (~8MB)? I do not get an error if I don't have it, but it still*  
> >> *doesn't work.*  
> >>  
> >> *I missed the part about diskpart. I used DOS to fdisk the partitions.*  
> >>  
> >> *Greg.*  
> >>  
> >> *Slobodan Brcin (eMVP) wrote:*  
> >>  
> >>> *Hi Kesavan,*  
> >>>  
> >>> *Original poster was Helmuth, and he said that he used diskpart to*  
create  
> >  
> > *two*  
> >  
> >>> *partitions so unless someone know how to do this from Windows on*  
> >  
> > *removable*  
> >  
> >>> *media then my best guess would be that he has CF that is marked as*  
> >  
> > *fixed.*  
> >  
> >>> *Regards,*  
> >>> *Slobodan*

> >>>  
> >>>-----  
> >>>*Have an opinion on the effectiveness of Microsoft Embedded newsgroups?*  
> >  
> > *Tell*  
> >  
> >>>*Microsoft!*  
> >>><https://www.windowseembeddedeval.com/community/newsgroups>  
> >>>-----  
> >>>  
> >>>*"Kesavan" <kesavansajeev@hotmail.com> wrote in message*  
> >>>*news:340a938c.0403252111.16723bf4@posting.google.com...*  
> >>>  
> >>>  
> >>>>*Slobodan,*  
> >>>>  
> >>>>>*I faced this kinda strange errors before .I didnt plug myself into*  
> >>>>>*finding out whether any updates done/notdone to the database would*  
> >>>>>*have put up the same.*  
> >>>>>*Changing the flash states solved the prob.I guess greg could provide*  
> >>>>>*some info once he gets it checked.*  
> >>>>  
> >>>>>*Regards,*  
> >>>>>*Kesavan*  
> >>>>  
> >>>>>*Greg Martin <gregmartin@rcwa.com.au> wrote in message*  
> >>>>  
> >>>>>*news:<#02JmBsEEHA.3980@TK2MSFTNGP09.phx.gbl>...*  
> >>>>  
> >>>>  
> >>>>>>*Sounds to me like another case of the "removable vs non-removable"*  
**bit**  
> >  
> >  
> >>>>>>*in the compact flash card. I have the same problem with my current*  
> >>>>>>*system. I'm waiting for Sandisk tech support to send the application*  
**to**  
> >>>>>>*change the bit state before confirming, though.*  
> >>>>>>  
> >>>>>>>*Greg Martin.*  
> >>>>>>  
> >>>>>>>*Slobodan Brcin (eMVP) wrote:*  
> >>>>>>>  
> >>>>>>>  
> >>>>>>>>*Hi Tony,*  
> >>>>>>>>  
> >>>>>>>>>*You are right that he need 3 partitions, but according to his log*  
**EWf**  
> >>>>  
> >>>>*was*  
> >>>>

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> >>>  
> >>>>> *able to create config partition, but then it fails for some unknown*  
> >>>  
> >>> *reason.*  
> >>>  
> >>>  
> >>>>> *Maybe he need to use new QFE.*  
> >>>>>  
> >>>>> *Regards,*  
> >>>>> *Slobodan*  
> >>>>>  
> >>>>> ~~~~~  
> >>>>> *Have an opinion on the effectiveness of Microsoft Embedded*  
*newsgroups?*  
> >>>  
> >>> *Tell*  
> >>>  
> >>>  
> >>>>> *Microsoft!*  
> >>>>> <https://www.windowseembeddedeval.com/community/newsgroups>  
> >>>>> ~~~~~  
> >>>>>  
> >>>>> *"Tony Camilli" <anonymous@discussions.microsoft.com> wrote in*  
*message*  
> >>>>>> *news:134f301c41285\$7176add0\$a501280a@phx.gbl...*  
> >>>>>>  
> >>>>>>  
> >>>>>>  
> >>>>>>> *I may be wrong, but I'm fairly certian that RAM or RAM-*  
> >>>>>>> *Reg based EWF overlays will only support 1 protected*  
> >>>>>>> *volume. If you need to support more than one volume, you*  
> >>>>>>> *need to create a Disk based overaly. This will require*  
> >>>>>>> *you to create an additional (3rd) partition to store the*  
> >>>>>>> *overlay data.*  
> >>>>>>>  
> >>>>>>> *HTH,*  
> >>>>>>> *Tony*  
> >>>>>>>  
> >>>>>>>  
> >>>>>>>  
> >>>>>>>  
> >>>>>>> -----*Original Message*-----  
> >>>>>>> *Hi everybody!*  
> >>>>>>>  
> >>>>>>> *I have a 1GB flash disk. Ultimately I would like to have*  
> >>>>>>>  
> >>>>>>> 2  
> >>>>>>>  
> >>>>>>>  
> >>>>>>>  
> >>>>>>>  
> >>>>>>> *partitions (C: and D:) which are both protected by the*

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```
> >>>>>>>EWF. In the target designer I entered the following for
> >>>>>>>the EWF:
> >>>>>>>
> >>>>>>>EWF Volume Configuration:
> >>>>>>>Maximum Number of Protected Volumes: 2
> >>>>>>>Maximum Number of Overlay levels: 1
> >>>>>>>EWF partition size in KBytes: 1024
> >>>>>>>Protected Volume # 1 (Volume # 2)
> >>>>>>>Start EWF enabled: not checked (not checked)
> >>>>>>>Enable Lazy write: not checked (not checked)
> >>>>>>>Disk Number: 0 (0)
> >>>>>>>Partition Number: 1 (2)
> >>>>>>>Disk Type: IDE (IDE)
> >>>>>>>Overlay Type: RAM (RAM)
> >>>>>>>Optimisation option: Optimal Performance checked
> >>>>>>>(Performance checked)
> >>>>>>>
> >>>>>>>I did not change anything in the advanced settings. I
> >>>>>>>created 2 partitions with diskpart. I named them C: and
> >>>>>>>
> >>>>>>>E:
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>(because I am booting from the CD, which is using D:).
> >>>>>>>When booting with the image, after final booting, the
> >>>>>>>
> >>>>>>>EWF
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>partition is missing. I pasted the relevant section of
> >>>>>>>
> >>>>>>>the
> >>>>>>>
> >>>>>>>
> >>>>>>>FBALOG.TXT below:
> >>>>>>>
> >>>>>>>11:58:29 AM – [ScanQueue: File Exists]
> >>>>>>>C:\WINDOWS\System32\MsDtc\Trace\msdtcvtr.bat
> >>>>>>>11:59:09 AM – [OcTerminate] Finished
> >>>>>>>11:59:09 AM – [FBALaunch] C:\WINDOWS\FBA\FBAOC.EXE
> >>>>>>>(ExitCode: 0x0)
> >>>>>>>11:59:09 AM – [CallEntryPointThread]
> >>>>>>>C:\WINDOWS\FBA\FBALIB.DLL, FBALaunchOCM
> >>>>>>>11:59:09 AM – [FBASetProgressText] Installing
> >>>>>>>Components...
> >>>>>>>11:59:13 AM – [FBALaunch] C:\WINDOWS\system32
> >>>>>>>regsvr32.exe /s /i C:\WINDOWS\system32\swprv.dll
> >>>>>>>(ExitCode: 0x0)
```

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```
> >>>>>>>11:59:13 AM – [FBALaunch] C:\WINDOWS\system32
> >>>>>>>\regsvr32.exe /s /i C:\WINDOWS\system32\eventcls.dll
> >>>>>>>(ExitCode: 0x0)
> >>>>>>>11:59:13 AM – [CallEntryPointThread]
> >>>>>>>C:\WINDOWS\FBA\FBAREG.DLL, FBAMigrateRegistryKeys
> >>>>>>>11:59:13 AM – [FBChangeDisplaySettings] Settings:
> >>>>>>>
> >>>>>>>[800,
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>600, 32, 60]
> >>>>>>>11:59:13 AM – [FBChangeDisplaySettings] Settings not
> >>>>>>>found!
> >>>>>>>11:59:13 AM – [CallEntryPointThread]
> >>>>>>>C:\WINDOWS\FBA\FBALIB.DLL, FBChangeDisplaySettings
> >>>>>>>11:59:13 AM – [FBSetProgressText] Resetting Setup
> >>>>>>>Flag...
> >>>>>>>11:59:14 AM – [FBARemoveRestart] Updated BootExecute!
> >>>>>>>11:59:14 AM – [CallEntryPointThread]
> >>>>>>>C:\WINDOWS\FBA\FBALIB.DLL, FBAResetSetup
> >>>>>>>11:59:14 AM – [FBSetProgressText] Replacing System
> >>>>>>>Hives...
> >>>>>>>11:59:14 AM – [FBSetProgressText] Resetting Setup
> >>>>>>>Flag...
> >>>>>>>11:59:21 AM – [FBAFlushFilesToDisk] FlushFileBuffers
> >>>>>>>(C:\) succeeded!
> >>>>>>>11:59:21 AM – [FBADoReboot] Sleeping...
> >>>>>>>11:59:31 AM – [FBADoReboot] Exiting process...
> >>>>>>>12:00:25 PM – ConfigureEwf() Start.
> >>>>>>>
> >>>>>>>12:00:25 PM – Getting EWF config parameters from
> >>>>>>>registry.
> >>>>>>>
> >>>>>>>12:00:25 PM – Non El Torito disk configuration.
> >>>>>>>
> >>>>>>>12:00:25 PM – EWF Partition Size = 1024 (KBytes),
> >>>>>>>
> >>>>>>>Levels
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>= 1, Volumes = 2.
> >>>>>>>
> >>>>>>>12:00:25 PM – Protected Volume Config #0 :
> >>>>>>>
> >>>>>>>12:00:25 PM – Disk= 0,Part= 1,DiskType= IDE,Type=
> >>>>>>>
> >>>>>>>RAM.
> >>>>>>>
> >>>>>>>
```

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```
> >>>>>>>
> >>>>>>>12:00:25 PM – Enable= Disabled, Optimize= 0,
> >>>>>>>LazyWrite= N.
> >>>>>>>
> >>>>>>>12:00:26 PM – Protected Volume Config #1 :
> >>>>>>>
> >>>>>>>12:00:26 PM – Disk= 0,Part= 2,DiskType= IDE,Type=
> >>>>>>>
> >>>>>>>RAM.
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>12:00:26 PM – Enable= Disabled, Optimize= 0,
> >>>>>>>LazyWrite= N.
> >>>>>>>
> >>>>>>>12:00:26 PM – Found 1 Hard Disks.
> >>>>>>>
> >>>>>>>12:00:26 PM – Disk #0 layout info:
> >>>>>>>
> >>>>>>>12:00:26 PM – PRIMARY
> >>>>>>>>partition,start=0x0000000000007e00,
> >>>>>>>>len=0x000000001f408200, type= 7
> >>>>>>>
> >>>>>>>12:00:26 PM – PRIMARY
> >>>>>>>>partition,start=0x000000001f410000,
> >>>>>>>>len=0x000000001c2d8000, type= 7
> >>>>>>>
> >>>>>>>12:00:26 PM – FREE partition,start=0x000000003b6e8000,
> >>>>>>>>len=0x000000001a94000, type= 0
> >>>>>>>
> >>>>>>>12:00:26 PM – Allocating EWF in PRIMARY partition,
> >>>>>>>>start=0x000000003b6e8000, len=0x000000000000fc00.
> >>>>>>>
> >>>>>>>12:00:26 PM – Created EWF partition on Disk = 0,
> >>>>>>>>partition = 3,size = 0x000000000000fc00 .
> >>>>>>>
> >>>>>>>12:00:26 PM – ewfOpen.
> >>>>>>>
> >>>>>>>12:00:27 PM – ewfOpen returned invalid file handle.
> >>>>>>>
> >>>>>>>12:00:27 PM – Deleting EWF Partition #3, disk#=0,
> >>>>>>>
> >>>>>>>type=69
> >>>>>>>
> >>>>>>>
> >>>>>>>
> >>>>>>>12:00:27 PM – ConfigureEwf() End, status = 0x57.
> >>>>>>>
> >>>>>>>12:00:27 PM – [CallEntryPointThread]
> >>>>>>>
> >>>>>>>C:\WINDOWS\system32
```

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> >>>>>>>  
> >>>>>>>  
> >>>>>>>  
> >>>>>>>>\ewfdll.dll, ConfigureEwf (Error: 0x57)  
> >>>>>>>>12:00:27 PM – [FBASetProgressText] Resetting Setup  
> >>>>>>>>Flag...  
> >>>>>>>>12:01:40 PM – [FBADoReboot] Sleeping...  
> >>>>>>>>12:01:50 PM – [FBADoReboot] Rebooting system...  
> >>>>>>>>  
> >>>>>>>>There seems to be an invalid file handle and the EWF  
> >>>>>>>>partition is deleted again. How do I solve this problem?  
> >>>>>>>>  
> >>>>>>>>The same happens when I use the above configuration, but  
> >>>>>>>>with only one physical partition (C:, E: was deleted).  
> >>>>>>>>  
> >>>>>>>>When I perform the same procedure as above with only one  
> >>>>>>>>partition in the EWF (Maximum Number of Protected  
> >>>>>>>>  
> >>>>>>>>Volumes:  
> >>>>>>>>  
> >>>>>>>>  
> >>>>>>>>  
> >>>>>>>>1) and created physically on the disk (only C:). The EWF  
> >>>>>>>>partition is created.  
> >>>>>>>>  
> >>>>>>>>Your help is much appreciated!  
> >>>>>>>>Helmuth  
> >>>>>>>>.  
> >>>>>>>>  
> >>>>>>>>  
> >>>>>>>>  
> >>>>>>>>  
> >>>>  
> >  
> >  
>