

# Re: Protecting fixed CF with disk resident EWF overlay

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- *From:* "Sean Liming (eMVP)" <[sean\\_liming@xxxxxxxxxxxxx](mailto:sean_liming@xxxxxxxxxxxxx)>
  - *Date:* Wed, 14 Jun 2006 16:35:07 -0700
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It worked in SP1 and I thought I double checked this in SP2, but it has been awhile. It is not going to hurt anything to give it a try. You will have to have at least one partition on the second for the EWF volume to be created.

Regards,

Sean

"jimt" <[jim\\_underscore\\_thalmann\\_@\\_avid\\_dot\\_com](mailto:jim_underscore_thalmann_@_avid_dot_com)> wrote in message [news:OMoEvEAKGHA.4284@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OMoEvEAKGHA.4284@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hi Sean,

I found on later review that the XPe Studio TD help says that locating an EWF volume on a different drive than the drive containing the protected volume is not supported. On the XPe SP2 TD Help page entitled "EWF Disk Mode" I see this:

"EWF Disk mode requires unpartitioned space on the same disk that contains the protected volume. The EWF volume and Overlay, collectively referred to as the EWF Partition, cannot be created on a separate disk or on a raw, unpartitioned disk."

Sean, I think this means it might work, based on your experiments mentioned in Chapter 10, but apparently it is not supported by Microsoft. Is it really safe to do?

I would be curious to hear your thoughts, in light of this quote. Thanks,

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JimT

"Sean Liming (eMVP)" <[sean\\_liming@xxxxxxxxxxxxx](mailto:sean_liming@xxxxxxxxxxxxx)> wrote in message

Re: Protecting fixed CF with disk resident EWF overlay

news:%23Fuq7BueGHA.4900@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Do you have Windows XP Embedded Advanced?

Chapter 10 discusses the EWF specs, and Chapter 19 discusses the scenario that you are looking for. The setup is that the IDE flash is completely allocated and is the primary disk. The hard drive has a non-bootable partition with unallocated space large enough for the EWF volume with Disk overlay. As the EWF volume gets created, the FBAdll.dll will look for the first free unallocated space following a partition, in this case the space on the hard drive.

Regards,

Sean Liming  
www.sjjmicro.com / www.seanliming.com  
XP Embedded Book Author – XP Embedded Advanced, XP Embedded Supplemental Toolkit.

"jimt" <jim\_underscore\_thalmann\_@\_avid\_dot\_com> wrote in message news:urO\$vvpeGHA.1324@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

The nonboot media would be a second unbooted hard drive, D:, partitioned to support a EWF partition. The booted "C:" drive would be the IDE flash drive. Yes, we would use disk overlays of C: and the disk overlays would be located on the unbooted HD at D:.

Unless I'm missing something, all the procedures in the documentation places the disk overlay on the booted media. What procedures would place the EWF volume and the overlays onto the unbooted spare HD? Would we need to disable the FBA creation of the EWF volume, and create the EWF partition by hand somehow?

Thanks very much for any tips...

—  
jimt (aka Jim\_NoSpam\_T)

"Sean Liming (eMVP)" <sean\_liming@xxxxxxxxxxxx> wrote in message

Re: Protecting fixed CF with disk resident EWF overlay

[news:O9Cni8jeGHA.1204@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:O9Cni8jeGHA.1204@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Nonboot media as flash or ROM? OR a second non-bootable hard drive?

If a second non-bootable hard drive, the answer is yes. The EWF volume can be placed on a second hard drive so long as there is one partition already on the drive.

Are you using Disk Overlay?

Regards,

Sean Liming  
www.sjjmicro.com / www.seanliming.com  
XP Embedded Book Author – XP Embedded Advanced, XP Embedded Supplemental Toolkit.

"Jim\_NoSpam\_T" <nospam@xxxxxxxx>  
wrote in message  
[news:%23BOSfHgeGHA.3484@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23BOSfHgeGHA.3484@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

XPe SP2: We would like to boot a fixed IDE flash drive and deploy the EWF overlays to a separate hard drive. This would permit overlay stacking with flash media and allow selective layered updates to the more reliable flash drive as required.

None of the help screens place the EWF partition on nonboot media. All three modes (disk mode, ram mode, ram + Reg) all place the EWF overlay on the boot media or system RAM.

Is there a way to locate overlays on nonboot media?  
Observations

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would be most welcome.

Thanks!