

# Re: FBWF corrupts files during a commit. Possible BUG

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  - *Date:* Mon, 26 Feb 2007 23:32:11 -0800
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Hi David,

This is a timing issue bug. I've opened a bug in our database. I'll post again when i have more information.

Thank you for bringing this to our attention..

-milong

"David Robinson" <[David.Robinson@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:David.Robinson@xxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:3086CF1B-F9CE-4C5A-8C11-470C711AA41B@xxxxxxxxxxxxxxxx](mailto:news:3086CF1B-F9CE-4C5A-8C11-470C711AA41B@xxxxxxxxxxxxxxxx)

Hi,

I have recently built an embedded XP image for a customer that incorporates the new "File based write filter" to protect a Compact flash drive (Drive C). Our customer has experienced a problem while writing their software that may be a bug with the write filter. The problem leads to files becoming corrupt or more accurately empty during a commit. The problem seems to arise when a file is read, written, and then committed quickly.

Below is an example batch file that reproduces the problem:

```
Rem -----  
Rem Perform a read operation on the file first  
copy C:\file1.exe NUL  
  
Rem Then immediately do the copy operation  
Copy /Y C:\file2.exe C:\file1.exe  
  
FBWFMGR /commit c: \file1.exe  
Rem -----
```

After running this batch file the copied file (file1.exe) is all 0's at byte level.

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The problem can be avoided by adding a pause between the read and write operation. An example is below.

```
Rem -----  
Rem Perform a read operation on the file first  
copy C:\file1.exe NUL  
  
Rem sleep for 1 second  
sleep 1  
  
Rem Then immediately do the copy operation  
Copy /Y C:\file2.exe C:\file1.exe  
  
FBWFMGR /commit c: \file1.exe  
Rem -----
```

Adding the one second pause as above makes the file copy and commit as expected.

It seems to me that if a file is read and then written to quickly it becomes corrupt (or empty) at the FBWF overlay layer as if the file is not committed the file copies as expected. At least until the OS is rebooted and changes are lost.

Any help with this issue would be much appreciated.