

FPLibraryException while calling BlobWritePartial()



Net Wrapper for Centera

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Author

Message

andreas.roeder@firstdata.
Power user



Joined: Apr 04, 2008
Posts: 39

Posted: Fri Apr 18, 2008 12:14 am Post subject:
FPLibraryException while calling BlobWritePartial()

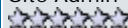


I'm using 8 Threads to write a 41 MB file to the Centera with the BlobWritePartial Method. Most of the times it works, but sometimes I'm getting this FPLibraryException:

Code:

```
Eine Ausnahme vom Typ EMC.Centera.FPTypes.  
FPLibraryException wurde ausgelöst.  
bei EMC.Centera.FPApi.SDK.CheckAndThrowError()  
    bei EMC.Centera.FPApi.Tag.BlobWritePartial  
    (FPTagRef inTag, FPStreamRef inStre  
am, FPLong inOptions, FPLong inSequenc  
eID, Int64 inOptions)  
    bei EMC.Centera.SDK.FPTag.BlobWritePartial  
    (FPStream inStream, Int64 inSequenc  
eID, Int64 inOptions)  
    bei EMC.Centera.SDK.FPTag.BlobWritePartial  
    (FPStream inStream, Int64 inSequenc  
eID)  
    bei Centera_NETWrapper.  
CenteraConnectorDotNetWrapper.<c__DisplayClass5.  
<Stor  
eDocument>b__0() in C:\Centera\CenteraTestDotNet  
\Centera.NETWrapper\CenteraConne  
ctorDotNetWrapper.cs:Zeile 156.32.
```

What can I do in that case?

gstuartemc
Site Admin


Joined: Mar 18, 2005
Posts: 374

Posted: Fri Apr 18, 2008 12:47 am Post subject:



Andreas - please trap that exception and obtain the underlying details (error code and message).

Examples of how to do this are found in the sample code.

Graham Stuart
Centra Integration Architect
EMC Centra Corporate Systems Engineering

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andreas.roeder@firstdata.
Power user

Joined: Apr 04, 2008
Posts: 39

Posted: Fri Apr 18, 2008 5:47 pm Post subject:



I didn't get the Exception anymore while using the BlobWritePartial() Method. But now I also tried to use the BlobReadPartial method and there I'm getting these errors:

Code:

```
error: -10044, error text: FP_STREAM_VALIDATION_ERR,
syserror: 0, message: Comple
eteProc: mStreamPos (output) (transid='ws-63068/33/
READ_BLOB'), trace: FPBasicGe
nericStream.complete<HPPReadBlobTransaction.run()
<Cluster.readBlob<ClusterCloud:
:readBlob
(FPBasicGenericStream*,3KMCKJR6H4AeDS4472F304CRK,
F4FRCF3S6KSNQx7CH56V
T1AF5H9G50GPRGR97LJQ4EJ51DADGHSV4,0,5249731,5249731,16)
<FPtag.blobRead<FPtag_Blo
bReadPartial(-,-,20998924,5249731,0)System.
AccessViolationExceptionEs wurde vers
ucht, im geschützten Speicher zu lesen oder zu
schreiben. Dies ist häufig ein Hi
nweis darauf, dass anderer Speicher beschädigt ist.
bei EMC.Centra.FPApi.SDK.
FPtag_BlobReadPartial(FPtagRef inTag, FPStreamRef
inStream, FPLong inOffset, FPL
ong inReadLength, FPLong inOptions)
bei EMC.Centra.FPApi.Tag.BlobReadPartial(FPtagRef
inTag, FPStreamRef inStrea
m, FPLong inOffset, FPLong inReadLength, FPLong
inOptions)
bei EMC.Centra.SDK.FPtag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength, Int64 inOptions)
bei EMC.Centra.SDK.FPtag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength)
bei Centra_NETWrapper.
CentraConnectorDotNetWrapper.<c__DisplayClassd.<Retr
ieveDocument>b_7() in C:\Centra\CentraTestDotNet
\Centra.NETWrapper\CentraCo
nectorDotNetWrapper.cs:Zeile 238.System.
AccessViolationExceptionEs wurde versuc
ht, im geschützten Speicher zu lesen oder zu
schreiben. Dies ist häufig ein Hinw
eis darauf, dass anderer Speicher beschädigt ist.
bei EMC.Centra.FPApi.SDK.FP
Tag_BlobReadPartial(FPtagRef inTag, FPStreamRef
inStream, FPLong inOffset, FPLon
g inReadLength, FPLong inOptions)
bei EMC.Centra.FPApi.Tag.BlobReadPartial(FPtagRef
```

```

inTag, FPStreamRef inStream, FPLong inOffset, FPLong inReadLength, FPLong
inOptions)
    bei EMC.Centera.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength, Int64 inOptions)
    bei EMC.Centera.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength)
    bei Centera_NETWrapper.
CenteraConnectorDotNetWrapper.<c__DisplayClassd.<Retr
ieveDocument>b__7() in C:\Centera\CenteraTestDotNet
\Centera.NETWrapper\CenteraCo
nectorDotNetWrapper.cs:Zeile 238.System.
AccessViolationExceptionEs wurde versuc
ht, im geschützten Speicher zu lesen oder zu
schreiben. Dies ist häufig ein Hinw
eis darauf, dass anderer Speicher beschädigt ist.
    bei EMC.Centera.FPApi.SDK.FP
Tag_BlobReadPartial(FPTagRef inTag, FPStreamRef
inStream, FPLong inOffset, FPLon
g inReadLength, FPLong inOptions)
    bei EMC.Centera.FPApi.Tag.BlobReadPartial(FPTagRef
inTag, FPStreamRef inStrea
m, FPLong inOffset, FPLong inReadLength, FPLong
inOptions)
    bei EMC.Centera.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength, Int64 inOptions)
    bei EMC.Centera.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength)
    bei Centera_NETWrapper.
CenteraConnectorDotNetWrapper.<c__DisplayClassd.<Retr
ieveDocument>b__7() in C:\Centera\CenteraTestDotNet
\Centera.NETWrapper\CenteraCo
nectorDotNetWrapper.cs:Zeile 238.System.
AccessViolationExceptionEs wurde versuc
ht, im geschützten Speicher zu lesen oder zu
schreiben. Dies ist häufig ein Hinw
eis darauf, dass anderer Speicher beschädigt ist.
    bei EMC.Centera.FPApi.SDK.FP
Tag_BlobReadPartial(FPTagRef inTag, FPStreamRef
inStream, FPLong inOffset, FPLon
g inReadLength, FPLong inOptions)
    bei EMC.Centera.FPApi.Tag.BlobReadPartial(FPTagRef
inTag, FPStreamRef inStrea
m, FPLong inOffset, FPLong inReadLength, FPLong
inOptions)
    bei EMC.Centera.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength, Int64 inOptions)
    bei EMC.Centera.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength)
    bei Centera_NETWrapper.
CenteraConnectorDotNetWrapper.<c__DisplayClassd.<Retr
ieveDocument>b__7() in C:\Centera\CenteraTestDotNet
\Centera.NETWrapper\CenteraCo
nectorDotNetWrapper.cs:Zeile 238.System.
AccessViolationExceptionEs wurde versuc
ht, im geschützten Speicher zu lesen oder zu
schreiben. Dies ist häufig ein Hinw
eis darauf, dass anderer Speicher beschädigt ist.
    bei EMC.Centera.FPApi.SDK.FP
Tag_BlobReadPartial(FPTagRef inTag, FPStreamRef
inStream, FPLong inOffset, FPLon
g inReadLength, FPLong inOptions)
    bei EMC.Centera.FPApi.Tag.BlobReadPartial(FPTagRef
inTag, FPStreamRef inStrea
m, FPLong inOffset, FPLong inReadLength, FPLong
inOptions)
    bei EMC.Centera.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength, Int64 inOptions)

```

```

Int64 inReadLength, Int64 inOptions)
    bei EMC.Centerra.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength)
    bei Centerra_NETWrapper.
CenterraConnectorDotNetWrapper.<c__DisplayClassd.<Retr
ieveDocument>b__7() in C:\Centerra\CenterraTestDotNet
\Centerra.NETWrapper\CenterraCo
nectorDotNetWrapper.cs:Zeile 238.System.
AccessViolationExceptionEs wurde versuc
ht, im geschützten Speicher zu lesen oder zu
schreiben. Dies ist häufig ein Hinw
eis darauf, dass anderer Speicher beschädigt ist.
    bei EMC.Centerra.FPApi.SDK.FP
Tag_BlobReadPartial(FPTagRef inTag, FPStreamRef
inStream, FPLong inOffset, FPLon
g inReadLength, FPLong inOptions)
    bei EMC.Centerra.FPApi.Tag.BlobReadPartial(FPTagRef
inTag, FPStreamRef inStrea
m, FPLong inOffset, FPLong inReadLength, FPLong
inOptions)
    bei EMC.Centerra.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength, Int64 inOptions)
    bei EMC.Centerra.SDK.FPTag.BlobReadPartial(FPStream
inStream, Int64 inOffset,
Int64 inReadLength)
    bei Centerra_NETWrapper.
CenterraConnectorDotNetWrapper.<c__DisplayClassd.<Retr
ieveDocument>b__7() in C:\Centerra\CenterraTestDotNet
\Centerra.NETWrapper\CenterraCo
nectorDotNetWrapper.cs:Zeile 238.

```

Basicly I'm doing that:

Code:

```

long lNumberOfThreads = topTag.BlobSize / (5000 *
1024);

int sliceSize = (int)(topTag.BlobSize /
lNumberOfThreads);
int lastSlice = (int)(topTag.BlobSize - (sliceSize
* (lNumberOfThreads - 1)));

int numBytes = sliceSize;

Thread[] oThreads = new Thread[lNumberOfThreads];

FPStream streamRef = new FPStream(saveFilename,
"wb");

for (int i = 0; i < lNumberOfThreads; i++)
{
    if (i == (lNumberOfThreads - 1))
    {
        numBytes = lastSlice;
    }

oThreads[i] = new Thread(new ThreadStart(delegate
()
{
    try
    {
        topTag.BlobReadPartial(streamRef, (i *
sliceSize), numBytes);
        streamRef.Close();
    }
    catch (FPLibraryException fplexc)
    {
        FPLogger.ConsoleMessage(fplexc.ToString());
    }
}

```

```

catch (Exception ex)
{
    FPLogger.ConsoleMessage(ex.GetType().
FullName);
    FPLogger.ConsoleMessage(ex.Message);
    FPLogger.ConsoleMessage(ex.StackTrace);
}
});

oThreads[i].Start();
}
for (int i = 0; i < lNumberOfThreads; i++)
{
    oThreads[i].Join();
}
    
```

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gstuartemc
Site Admin
☆☆☆☆☆

Joined: Mar 18, 2005
Posts: 374

Posted: Fri Apr 18, 2008 7:26 pm Post subject:



You are reading the content back from multiple threads into the same FPStream object so I suspect that this is causing your problem!

Try using individual FPPartialOutputStream objects (in conjunction with a standard .NET file Stream) for each "slice".

Graham Stuart
Centera Integration Architect
EMC Centera Corporate Systems Engineering

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andreas.roeder@firstdata.
Power user

Joined: Apr 04, 2008
Posts: 39

Posted: Fri Apr 18, 2008 7:41 pm Post subject:



Thank you for your hints, but the BlobReadPartial method expects a FPStream not a FPPartialOutputStream. Also I cannot cast the FPPartialOutputStream to a FPStream.

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gstuartemc
Site Admin
☆☆☆☆☆

Joined: Mar 18, 2005
Posts: 374

Posted: Fri Apr 18, 2008 7:46 pm Post subject:



You can use the FPPartialOutputStream to construct an FPGenericStream object which is then passed to the BlobReadPartial call.

FPGenericStream is derived from FPStream so you will be "good to go".

Graham Stuart
Centera Integration Architect
EMC Centera Corporate Systems Engineering

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andreas.roeder@firstdata.

Power user



Joined: Apr 04, 2008
Posts: 39

Posted: Fri Apr 18, 2008 8:59 pm Post subject:



Thanx. So I modified my code, it looks like that now:

Code:

```

FileStream streamRef = File.OpenWrite
(saveFilename);

for (int i = 0; i < lNumberOfThreads; i++)
{
.
.
.
FPPartialOutputStream oPartialOutputStream = new
FPPartialOutputStream(streamRef, (i * sliceSize),
numBytes);
FPGenericStream oGenericStream = new
FPGenericStream(oPartialOutputStream, IntPtr.Zero);
topTag.BlobReadPartial(oGenericStream, (i *
sliceSize), numBytes);

..
}
    
```

But now I'm getting for each thread an error dialog: "Unknow software error ocured". I cannot catch that error.

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gstuartemc

Site Admin
★★★★★

Joined: Mar 18, 2005
Posts: 374

Posted: Sat Apr 19, 2008 4:24 am Post subject:



Ensure that the wrapper has built properly - part of the post build process involves patching the IL using perl and if this process fails it can lead to strange problems (in Debug mode particularly) with Generic Streams.

Please verify that all the build steps for the wrapper have completed successfully i.e. not just the initial DLL generation, but the subsequent ildasm, patching with the .bat files calling perl and then the final ilasm to generate the patched DLL.

Graham Stuart
Centera Integration Architect
EMC Centera Corporate Systems Engineering

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andreas.roeder@firstdata.
 Power user

 Joined: Apr 04, 2008
 Posts: 39

Posted: Mon Apr 21, 2008 5:18 pm Post subject:



Thank you very much. That was the problem. I started the perl script from the command line and it was searching the *keyfile*. *snk* in the wrong path. Now it works.

With Multithreading I can store the 41 MB file now 8 times faster. And the retrieving is 5 times faster.

Of course I don't know how much the network traffic was an issue during the first test.

Now I will continue under Java to find out which is the fastest way.

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andreas.roeder@firstdata.
 Power user

 Joined: Apr 04, 2008
 Posts: 39

Posted: Mon Apr 21, 2008 10:02 pm Post subject:



I was too early happy about the results. Now I'm getting from time to time this error, whilce calling the BlobWritePartial() Method:

```
error: -10043, error text: FP_DUPLICATE_ID_ERR, syserror: 0,
message: Duplicate
sequence IDs detected., trace: FPTag::BlobWrite(stream,2)
<FPTag_BlobWritePartial
(-,-,0,3)error: -10043, error text: FP_DUPLICATE_ID_ERR,
syserror: 0, message: D
uplicate sequence IDs detected., trace: FPTag::BlobWrite
(stream,2)<FPTag_BlobWri
tePartial(-,-,0,5)
```

It shouldn't happen to have duplicated sequence Ids.

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gstuartemc
 Site Admin

 Joined: Mar 18, 2005
 Posts: 374

Posted: Mon Apr 21, 2008 10:15 pm Post subject:



Are you supplying a unique SequenceId to the call to BlobWritePartial in your code for each thread?

Graham Stuart
Centera Integration Architect
EMC Centera Corporate Systems Engineering

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andreas.roeder@firstdata.
 Power user

 Joined: Apr 04, 2008
 Posts: 39

Posted: Mon Apr 21, 2008 10:19 pm Post subject:



Yes, I do. I worked already this morning. I stored a file and retrieved it again 100 times. The error happens only sometimes.

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gstuartemc
 Site Admin

 Joined: Mar 18, 2005
 Posts: 374

Posted: Tue Apr 22, 2008 12:00 am Post subject:




Please post the code that performs the BlobWritePartial as the code fragments above all relate to the reading issue.

Graham Stuart
Centera Integration Architect
EMC Centera Corporate Systems Engineering

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andreas.roeder@firstdata.
 Power user

 Joined: Apr 04, 2008
 Posts: 39

Posted: Tue Apr 22, 2008 12:23 am Post subject:



Code:

```

for (int i = 0; i < lNumberOfThreads; i++)
{
    ....
    oThreads[i] = new Thread(new ThreadStart(delegate
    () {
        try
        {
            streamRefs[i] = new FPPartialInputStream
            (oFileStream, (i * sliceSize),
            numBytes);

            FPGenericStream oStream = new FPGenericStream
            (streamRefs[i],

                IntPtr.Zero);

            oTag.BlobWritePartial(oStream, i);
            oStream.Close();

        }
        catch (FPLibraryException fplexc)
        {
            FPLogger.ConsoleMessage(fplexc.ToString
            ());
        }
        catch (Exception ex)
        {
            FPLogger.ConsoleMessage(ex.Message);
            FPLogger.ConsoleMessage(ex.StackTrace);
        }
    }
    }
    
```

But I think it is more a Thread issue related to .NET

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andreas.roeder@firstdata.
Power user



Joined: Apr 04, 2008
Posts: 39

Posted: Tue Apr 22, 2008 1:19 am Post subject:



I re-wrote the code. I'm using now 2 separated Threads:

Writing:

Code:

```
public class WriterThread
{
    FPTag m_oTag = null;
    FPStream m_oStream;
    int m_iSequenceID = 0;

    public WriterThread(FPTag oTag, FPStream
oStream, int iSequenceID)
    {
        m_oTag = oTag;
        m_oStream = oStream;
        m_iSequenceID = iSequenceID;
    }

    public void writeBlobPartial()
    {
        try
        {
            Console.WriteLine("Start Thread
No.: " + m_iSequenceID);

            m_oTag.BlobWritePartial(m_oStream,
m_iSequenceID);

            m_oStream.Close();
        }
        catch (FPLibraryException fplexc)
        {
            FPLLogger.ConsoleMessage(fplexc.
ToString());
        }
        catch (Exception ex)
        {
            FPLLogger.ConsoleMessage(ex.
Message);
            FPLLogger.ConsoleMessage(ex.
StackTrace);
        }
    }
}
```

Reading

Code:

```
public class ReaderThread
{
    private FPTag m_oTag = null;
    private Stream m_oStream = null;
    private int m_iOffset;
    private int m_iNumberOfBytes;

    public ReaderThread(FPTag oTag, Stream
oStream, int iOffset, int iNumberOfBytes)
    {
        m_oTag = oTag;
        m_oStream = oStream;
```

```
        m_iOffset = iOffset;
        m_iNumberOfBytes = iNumberOfBytes;
    }

    public void ReadBlobPartial()
    {
        try
        {
            lock (m_oStream)
            {
                FPPartialOutputStream
oPartialOutputStream = new FPPartialOutputStream
(m_oStream, (m_iOffset), m_iNumberOfBytes);
                FPGenericStream oGenericStream
= new FPGenericStream(oPartialOutputStream, IntPtr.
Zero);
                m_oTag.BlobReadPartial
(oGenericStream, (m_iOffset), m_iNumberOfBytes);
                oPartialOutputStream.Close();
                oGenericStream.Close();
            }
        }
        catch (FPLibraryException fplexc)
        {
            FPLLogger.ConsoleMessage(fplexc.
ToString());
        }
        catch (SEHException sehexc)
        {
            FPLLogger.ConsoleMessage(sehexc.
ToString());
        }
        catch (Exception ex)
        {
            FPLLogger.ConsoleMessage(ex.GetType
().FullName);
            FPLLogger.ConsoleMessage(ex.
Message);
            FPLLogger.ConsoleMessage(ex.
StackTrace);
        }
    }
}
```

Now it seems like, it runs without problems and fast enough.

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FPLibraryException while calling BlobWritePartial()

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Author	Message
--------	---------

gstuartemc
Site Admin
☆☆☆☆☆

Joined: Mar 18, 2005
Posts: 374

Posted: Tue Apr 22, 2008 1:26 am Post subject:



You do not need to use a GenericStream for the input side of things. As the underlying CreatePartialFileForInput is thread safe, you can simply use:

```
FPStream oStream = new FPStream(fileName, bufferSize, offset, length);
```

with the relevant offset / length for the section being written in each thread.

Because CreatePartialFileForOutput is not thread safe (for the same output file), then for reading back the blobs via multiple threads you should still use a GenericStream with a PartialOutputStream.

Graham Stuart
Centera Integration Architect
EMC Centera Corporate Systems Engineering

Last edited by gstuartemc on Wed Apr 23, 2008 12:04 am; edited 3 times in total

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andreas.roeder@firstdata.
Power user

Joined: Apr 04, 2008
Posts: 39

Posted: Tue Apr 22, 2008 5:46 pm Post subject:



Unfortunately when I use the FPStream instead, I'm getting that error:

Code:

```
error: -10027, error text: FP_FILESYS_ERR,
syserror: 0, message: failed to open
input file (C:\temp\test.pdf), trace:
FPFileStream.FPFileStream (C:\temp\test.
pdf,rb,32768)<FPStream_CreateFileForInput('C:\temp\
\test.pdf','rb','32768')
```

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gstuartemc
Site Admin
★★★★★
Joined: Mar 18, 2005
Posts: 374

Posted: Tue Apr 22, 2008 6:48 pm Post subject:



Try "C:\\Temp\\Test.pdf" - you only have a single "\" for the directory and this may be the problem.

Either that or the file / path does not exist!

Graham Stuart
Centra Integration Architect
EMC Centra Corporate Systems Engineering

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andreas.roeder@firstdata.
Power user

Joined: Apr 04, 2008
Posts: 39

Posted: Tue Apr 22, 2008 6:54 pm Post subject:



Actually I'm using C:\\temp\\. Seems to be there is something wrong with the Exception message.

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gstuartemc
Site Admin
★★★★★
Joined: Mar 18, 2005
Posts: 374

Posted: Tue Apr 22, 2008 6:59 pm Post subject:



Th Exception message comes straight from the parameters being passed. Please double check your code.

Graham Stuart
Centra Integration Architect
EMC Centra Corporate Systems Engineering

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andreas.roeder@firstdata.
 Power user

 Joined: Apr 04, 2008
 Posts: 39

Posted: Tue Apr 22, 2008 11:24 pm Post subject:



You were right, at runtime I had C:\\temp\\test.pdf. I corrected that, but now I'm getting this exception:

Code:

```
error: -10027, error text: FP_FILESYS_ERR,
syserror: 0, message: failed to open
input file (C:\\temp\\test.pdf), trace: FPFileStream.
FPFileStream (C:\\temp\\test.pdf
f,rb,32768)<FPStream_CreatePartialFileForInput(C:
\\temp\\test.pdf,rb,32768)
```

I wonder why it tries to create an InputFile, shouldn't it be an OutputFile?

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gstuartemc
 Site Admin

 Joined: Mar 18, 2005
 Posts: 374

Posted: Tue Apr 22, 2008 11:33 pm Post subject:



Are you trying to Read content back or Write it to the Centera?

If you are reading content back, you need to use an OutputStream.


If you are storing content, you need to use an InputStream

There are samples supplied with the wrapper that perform all of these common operations. Please use them to verify your usage of the APIs.

Graham Stuart
Centera Integration Architect
EMC Centera Corporate Systems Engineering

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hansep
 Newbie

 Joined: Mar 23, 2005
 Posts: 4
 Location: Switzerland

Posted: Tue Jun 10, 2008 6:35 am Post subject: Error on BlobWritePartial



I'm getting a similar error as originally reported in under this topic:

Quote:

Message:

Attempted to read or write protected memory. This is often an indication that other memory is corrupt.

StackTrace:

```
at EMC.Centera.FPApi.SDK.FPPool_GetLastErrorInfo
(FPErrorInfo& outErrorInfo)
at EMC.Centera.FPApi.SDK.CheckAndThrowError() in D:
\Data\FP Api\FPApi 3.2\FPSDK\bin\Debug\FPSDK.il2:line
4417
at EMC.Centera.FPApi.Tag.BlobWritePartial(FPTagRef inTag,
FPStreamRef inStream, FPLong inOptions, FPLong
inSequenceID) in D:\Data\FP Api\FPApi 3.2\FPSDK\bin
\Debug\FPSDK.il2: line 7821
at EMC.Centera.SDK.FPTag.BlobWritePartial(FPStream
inStream, Int64 inSequenceID, Int64 inOptions) in D:\Data
\FP Api\FPApi 3.2\FPSDK\bin\Debug\FPSDK.il2:line 9328
at EMC.Centera.SDK.FPTag.BlobWritePartial(FPStream
inStream, Int64 inSequenceID) in D:\Data\FP Api\FPApi 3.2
\FPSDK\bin\Debug\FPSDK.il2:line 9305
```

I happens when I remove the network cable between the application hw and the Centera - usually 6 - 7 minutes after the line was disconnected.

I let the application run despite this error, but at a later time when the garbage collector is running next time, I get the next error:

Quote:

Message: A callback was made on a garbage collected delegate of type 'FPSDK!EMC.Centera.SDK.FPCallback::Invoke'. This may cause application crashes, corruption and data loss. When passing delegates to unmanaged code, they must be kept alive by the managed application until it is guaranteed that they will never be called.

StackTrace:

```
FPSDK.dll!EMC.Centera.FPApi.Stream.Close(EMC.Centera.
FPTypes.FPStreamRef pStream = 1707880987167168) Line
7117 + 0x7 bytes
FPSDK.dll!EMC.Centera.SDK.FPGenericStream.Close() Line
18290
FPSDK.dll!EMC.Centera.SDK.FPObject.Dispose(bool
disposing = false) Line 1293
FPSDK.dll!EMC.Centera.SDK.FPObject.Finalize() Line 1311
```

and my application is not able to survive this error.

I'm using Centera SDK 3.2.631 (p1), .NET Wrapper SDK.3.2.631, VS 2005 C# under MS Vista.

When the application is connected, the application is working fine, but the application should also work without terminating when the connection disappears.

Any advise?

Thanks in advance!

NB. I hope, its ok adding this issue to this topic.

[Back to top](#)**gstuartemc**Site Admin
☆☆☆☆☆Joined: Mar 18, 2005
Posts: 374

Posted: Mon Jun 16, 2008 7:43 pm Post subject:



First off is that the SDK is not supported on Vista, so you are in uncharted waters!

Second point is that if you are using GenericStreams you must ensure that the application responds to read / write requests from the cluster within 60 seconds by sending keep-alive packets. Failure to do this will result in the cluster closing the stream.

As you are disconnecting the cable and withing 6 or 7 minutes, it, it is likely that this is what is happening.

You will need to write custom code to handle your scenario i.e. your application must ensure that the delegate is kept alive or somehow test that you do not access it if it has been GCed.

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Posted: Tue Jun 17, 2008 7:19 am Post subject:



Thanks for the hint - you are right, MS Vista was the problem. Today I moved the application to Win2k and it was giving the expected exception due to the disconnected line. I am using the PartialFile stream, and it was closed cleanly this time.

Judging from the trace, the ErrorInfo class seems to have a problem under MS Vista (or a 64 bit CPU). Do you plan to make a SDK version supported on Vista?

[Back to top](#)**gstuartemc**Site Admin
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Posted: Tue Jun 17, 2008 9:53 pm Post subject:



We periodically review the list of supported platforms, and Vista will certainly be considered as part of this process.

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