

Re: FileCopy vs. Read & Write or CopyFile API

Source:

<http://www.tech-archive.net/Archive/VB/microsoft.public.vb.general.discussion/2007-11/msg01345.html>

- *From:* "Saga" <antiSpam@xxxxxxxxxxxxxxxx>
 - *Date:* Thu, 15 Nov 2007 16:43:57 -0600
-

More info on the matter, just thought I'd share, not necessarily meant as a solution.

<http://support.microsoft.com/kb/172711>

Saga

"Peter Karlström" <HayRoller@xxxxxxxxxxxxxxxx> wrote in message
news:1406B6B6-EB85-4417-A77C-4613B3FA2F1F@xxxxxxxxxxxxxxxx

Hi Saga

Thanks for your reply.

The files on the "server side" (the source files) are release versions of formatted document text. No one has these documents opened (they have a fake suffix), so the only cause for a file-lock is that another client is copying the file at that particular moment.

With your and Jialiang Ges other solution, the possibility that yet another client is copying the file in 5 or 10 seconds is to big.

With FileSystemObjects copy-function, the correct version of the file will be copied even if another client is copying it at the same time.

Regards

Peter Karlström
Midrange AB
Sweden

"Saga" wrote:

The first thing I would ask is... why is the file locked? If it is in use, do you really want to copy it, considering that it may not be in a stable state?

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I like Jialiang's solution to loop whiel there is an error copying the file, but I would add a time loop so that you can define how long you want the code to loop with error before giving up:

```
On Error Resume Next
Dim errNum as Integer

Dim dteFuture as date

errNum = 1

dteFuture = dateadd("s",10,now) 'Try for 10 seconds, change at will<g>

While errNum > 0 and dtefuture > Now
FileCopy "server file", "client file"
errNum = Err.Number
Err.Clear
Wend
```

Also, if you decide to use FSO, I suggest doing a Google search in this group to see how this has worked for others. Many here advise against it since it brings its own set of issues.

Regards,
Saga
—

"Peter Karlström" <HayRoller@xxxxxxxxxxxxxxxxxxxx> wrote in message news:5E18A574-51A7-4DD5-8E2E-C39E710A59C9@xxxxxxxxxxxxxxxxxxxx

Hi Jialiang Ge

Thanks for your quick reply

You understod my problem correctly.

I will switch the copy-function to the one in FileSystemObject.
It seems that if file-locks is the problem this will solve it.

Unfortunately this will take a while to test in the clients environment,
since we must deploy a new version, but if it doesn't work I will post a new

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question to
this forum.

Again, thanks

—
Peter Karlström
Midrange AB
Sweden

"Jialiang Ge [MSFT]" wrote:

Hello Peter,

From your post, my understanding on this issue is: you wonder how to synchronize a document in server to its client with VB FileCopy function. If I'm off base, please feel free to let me know.

Generally speaking, VB function FileCopy fails and pop out "Permission denied" exception when we attempt to copy a file that is opened or when the destination file cannot be overwritten. Please check if the document in the server is opened, and if the destination in client can be overwritten.

If the file in the server is opened for a short time, in the client, we could loop to check if the file is locked:

```
On Error Resume Next
Dim errNum as Integer
errNum = 1
While errNum > 0
FileCopy "server file", "client file"
errNum = Err.Number
Err.Clear
Wend
```

As long as the file is closed, the loop will stop and the file will be copied.

Another approach is to use FileSystemObject (<http://msdn2.microsoft.com/en-us/library/2z9ff999.aspx>), which can copy a

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```
locked file:  
Set fs =  
CreateObject("Scripting.FileSystemObject")  
fs.copyfile "server file", "client file"
```

It copies the last save of the file.
Please have a try and let me know the result.

if you have any other concerns, or need
anything else, please feel free to
let me know.

Sincerely,
Jialiang Ge
(jialge@xxxxxxxxxxxxxxxxxxxxxx, remove
'online.')

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