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Subject: Bug in Core/Stream.cpp  
Posted by [steffen](#) on Wed, 15 May 2013 09:55:05 GMT  
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Hi,

Upp source from SVN rev. 6071

We where trying to use a Md5Stream object and found it gave different results with these two examples, both are reading a small text file and calculating the Md5 hash:

Wrong result:

```
FileIn f_in( aFileName );  
Md5Stream md5;  
md5.Put( f_in );  
mMD5_Hash = md5.FinishString();
```

Correct result:

```
String fdata_1 = LoadFile( aFileName ) ;  
Md5Stream md5_s ;  
md5_s.Put( fdata_1 ) ;  
String md5_hash1 = md5_s.FinishString();
```

The error is in the Put function in Stream.cpp line 458:

```
Put(buffer.operator const byte *(), click);
```

The second parameter "click" is the buffer size, not the size of contents in the buffer. It should be "n", so the corrected function end up like this:

```
void Stream::Put(Stream& s, int64 size, dword click) {  
    Buffer<byte> buffer(click);  
    while(size) {  
        dword n = s.Get(buffer, (int)min<int64>(click, size));  
        if(n == 0)  
            break;  
        Put(buffer.operator const byte *(), n);  
        size -= n;  
    }  
}
```

Regards,  
Steffen

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Subject: Re: Bug in Core/Stream.cpp  
Posted by [steffen](#) on Thu, 16 May 2013 08:46:07 GMT  
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Hi again,

Here is another example showing the same error in a simple file copy situation.

```
FileIn in(GetDataFile("TestFile.txt"));
FileOut out(GetDataFile("Copy Of TestFile.txt"));
out.Put(in);
out.Flush();
LOG("Original filesize: " << in.GetSize());
LOG("Size of Copy: " << out.GetSize());
```

Log output:

```
Original filesize: 128
Size of Copy: 4096
```

It works if I exchange the second parameter click with n in Stream.cpp:458

Regards,  
Steffen

## File Attachments

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1) [StreamError.7z](#), downloaded 285 times

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Subject: Re: Bug in Core/Stream.cpp  
Posted by [mirek](#) on Sun, 26 May 2013 14:49:57 GMT  
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Ops, nasty bug. Thank you, fixed in trunk...

Mirek

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