
Subject: Bug in Core/Stream.cpp
Posted by [steffen](#) on Wed, 15 May 2013 09:55:05 GMT
[View Forum Message](#) <> [Reply to Message](#)

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
