

RE: OutOfMemoryException: Webservice, DataSet and file transport

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.compactframework/2004-08/0778.htm>

From: Tom De ceuster (*TomDeceuster_at_discussions.microsoft.com*)

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Pieter,

Calling the web service from a desktop pc gives no problems. What I want to achieve with the web method is updating the software. Actually, it also updates the database file of an oracle Lite database. But in my case this isn't the issue.

I think, that when the soap+xml is transformed to a DataSet with a large byte array there's a buffer problem at a certain size of the byte array. I have noticed some reading functions, when you use a high value for the number of elements, you get also an OutOfMemoryException. Reading in chunks gives a solution to this problem.

Especially on the compact framework 1.0 (SP2).

Tom

"Pieter" wrote:

> Tom,
>
> Did you try calling the webservice from a desktop pc?
>
> One thing I know about datasets is that they tend to consume a lot of memory
> and can take a long time to load.
>
> Maybe you can explain what you're trying to achieve with your application.
>
> Pieter
>
> "Tom De ceuster" wrote:
>
>> Pieter,
>>
>> I keep the dataset in memory. I don't use the SQL server CE database.
>> I get the memory Exception before the webservice method returns.

>>
>> *regards,*
>> *Tom*
>>
>> *"Pieter" wrote:*
>>
>>> *Tom,*
>>>
>>> *Do you keep this dataset in memory? Or are you using it to feed a SQL Server*
>>> *CE database? In the latter case I experienced a similar problem that was*
>>> *caused by a SqlCeCommand object that wasn't disposed after using it.*
>>>
>>> *regards,*
>>> *Pieter*
>>>
>>>
>>>
>>> *"Tom De ceuster" wrote:*
>>>
>>>> *Hi,*
>>>>
>>>> *For transportation of a file, approx 850kB, I use a webservice which return*
>>>> *a dataset with one DataTable and a row. That row holds the file. After a*
>>>> *while I get an OutOfMemoryException on my Pocket PC device. The memory usage*
>>>> *increments exponential from 20MB -> 24MB, and my file is not that big.*
>>>>
>>>> *Is this a known problem with the Compact Framework 1.0 SP2, on a Windows CE*
>>>> *4.2 device? Or by a certain memory allocation for the dataset?*
>>>> *Please any information is welcome.*
>>>>
>>>> *Regards,*
>>>> *Tom*