

Re: adCurrency problem in ASP

Source:

<http://www.tech-archive.net/Archive/Internet-Server/microsoft.public.inetserver.asp.general/2005-03/1205.html>

From: Jonathan Dodds (*NO_REPLY*)

Date: 03/27/05

Date: Sun, 27 Mar 2005 14:50:51 -0500

"Evertjan." <exjxw.hannivoort@interxnl.net> wrote in message
news:Xns9626842FB84E3eejj99@194.109.133.29...
> Jonathan Dodds wrote on 27 mrt 2005 in
> microsoft.public.inetserver.asp.general:
>
>> I'm using ADO from an ASP 3.0 page written in JScript to query a
database
>> table in SQL Server 2000. One of the columns in a currency field.
>>
>> Instead of retrieving a value of 1095.60 like I expect, I'm getting
>> 1095.60000000000001 instead.
>>
> [..]
>>
>> Am I doing something wrong here?
>
> Yes you do.
>
> What is wrong is your expectation.
>
> Non integer values are usually stored in a binary format.
> Just like 1/3 cannot be exactly stored in a decimal format,
> many decimal fractions cannot be stored in a binary form,
> without an error in the least significant bit(s).
> The back conversion to decimal will not always result in the same
> error nullified.
>
> So if you want to represent a numeric value with a fixed number of
> decimals, either store it as a integer [in cents, if we are talking
> currency] or have a good rounding off algorithm.
>
> btw: Some Basic interpreters build by Bill Gates around 1984
> used BCD [binary coded decimal] as a standard number coding method.
> There your problem would not arise. VBscript and Jscript do not use BCD.
>
> --

microsoft.public.inetserver.asp.general: Re: adCurrency problem in ASP

- > *Evertjan.*
- > *The Netherlands.*
- > *(Replace all crosses with dots in my emailaddress)*
- >

Why doesn't Query Analyzer display the decimal error? Is it rounding behind my back?