

Re: sometimes endless loop, sometimes not

Source: <http://www.tech-archive.net/Archive/Data/microsoft.public.data.ado/2005-08/msg00152.html>

- *From:* "Daniel Crichton" <msnews@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 16 Aug 2005 14:32:18 +0100
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MiniMike wrote on Tue, 16 Aug 2005 01:53:07 -0700:

- > I am sure that RS.MoveNext is inside the loop.
- > But i was using On Error Resume Next, and did not check the error after
- > showing a record. So this was pretty helpful for me. I'll change it, and
- > check it again.
- > Thanks !
- > But it still confuses me a little bit; why would there be an error , and
- > sometimes not? Nothing (not the page, not the data, ...) has changed.
- > Would that be an access-bug or something?

To find out what the error is, add something to spit it out on the page just after the loop, or remove the On Error Resume Next, eg.

```
If Err.Number <> 0 Then
Response.Write "Error occured: " & Err.Number & " " & Err.Description
End If
```

That way you can see what the error is when it happens, and start working to resolve it. Without knowing the error number there's not much you can do. It could be down to record locking for instance – Jet is not a reliable multiuser database, and if you've got too many "users" accessing it at the same time it's possible one will prevent another from reading the next record – and then you're stuck until that lock is resolved. To avoid this sort of thing you can try some of the following:

Ensure all recordsets are forwardonly readonly – this is normally the default in ADO

Keep any editing of recordsets as quick as possible – don't use Pessimistic locking if you can help it, and don't start editing a record and then have your code do some long calculations before finishing changes and issuing the .Update, as the record will be locked the whole time.

Make sure you're running Jet 4.0 as it has row level locking rather than page level, and ensure that row level locking isn't being disabled.

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For high traffic sites I'd recommend you move away from Access – I used to use it on my web server and moved to SQL Server when I started getting frequent timeouts and record locking issues, and poor performance when searching for records. Haven't looked back since :)

Dan

```
> "Daniel Crichton" wrote:
>
>> MiniMike wrote on Tue, 16 Aug 2005 00:15:02 -0700:
>>
>>> I'm having this very weird problem on my website. I'm using ASP, and an
>>> Access 2003 database.
>>>
>>> The problem is this:
>>> When i surf to my page, there's usually no problem.
>>> I have this select statement :
>>> SQL = "Select * " _
>>> & "from tblTable " _
>>> & "order by intID desc"
>>> Set RS = Conn.Execute(SQL)
>>> If not RS.EOF Then
>>> Do while not RS.EOF
>>> 'show this record on the site
>>> Loop
>>> End if
>>>
>>> My recordset is loaded, and i show the records on the site. There are
>>> only 4 records for now.
>>>
>>> But, sometimes, when i surf to my page (just the same page, just the
>>> same query, only other time), my page goes into an endless loop.
>>>
>>> Anyone with any ideas on this? The strange thing is, though it's the
>>> same page, i reacts different on different times.
>>
>> Are you sure you've got
>>
>> RS.MoveNext
>>
>> inside that Do ... Loop? If so, then the only other problem could be that
>> you've got an error occuring, you've got On Error Resume Next in your
>> script, and you're not checking for an error before the last record is
>> moved past – in which case RS.EOF is still false, but every attempt to
>> move to the next record fails. Try something like this:
>>
>> On Error Resume Next
>>
>> SQL = "Select * " _
>> & "from tblTable " _
>> & "order by intID desc"
```

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```
>> Set RS = Conn.Execute(SQL)
>> If not RS.Eof And Err.Number = 0 Then
>> Do while not RS.Eof and Err.Number = 0
>> 'show this record on the site
>>
>> RS.MoveNext
>> Loop
>> End if
>> RS.Close
>> Set RS = Nothing
>>
>> Dan
>>
```

• **Follow-Ups:**

- ◆ **Re: sometimes endless loop, sometimes not**
◇ From: MiniMike

• **References:**

- ◆ **sometimes endless loop, sometimes not**
◇ From: MiniMike
 - ◆ **Re: sometimes endless loop, sometimes not**
◇ From: Daniel Crichton
 - ◆ **Re: sometimes endless loop, sometimes not**
◇ From: MiniMike
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