

# RE: Error 3021

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*Source:*

<http://www.tech-archive.net/Archive/Access/microsoft.public.access.modulesdaovba/2008-03/msg00248.html>

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- *From:* Kevin B <[kbackmann@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:kbackmann@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Thu, 6 Mar 2008 12:10:02 -0800
- 

I owe ya' big time. That API call did the trick and with just a few tweaks I was able to select 100 or so job names and created the documents without a hitch.

What a nifty piece of coding.

Thanks again...

---

Kevin Backmann

"Klatuu" wrote:

Here is a link to an API that will make the application pause for a specified time:

<http://www.mvps.org/access/api/api0021.htm>

You may try playing around with where to put it to get past the timing issue.

---

Dave Hargis, Microsoft Access MVP

"Kevin B" wrote:

Thanks again. I do believe it's a timing issue and I thought I could get around it by opening Word in the background only once and then just open/close documents.

I checked out the no record possibility by checking to see if the pointer was at .BOF and .EOF each time I retrieved a record, and it came up false each time I stepped through the code. So I'm getting data. Next thing that I'll try is moving the template off the network to see if that shaves enough time off for the application to catch up.

Too bad I can't suggest that my client type those document one at a time so I can go home early.

Thanks again...

Kevin B

--

Kevin Backmann

"Klatuu" wrote:

Thanks for the kudos. Kevin.

Put a breakpoint at the top of the code and step through each line until the

error happens. This will tell you two things.

1. If it does not error out, it is a timing problem.
2. If it does, then you will know what line errors. Look at all your variable values to make sure they are correct.

By timing problem, I mean that some action is trying to execute, but

something that started before it hasn't completed yet. It is possible when

you are opening and closing external files (Word) that this can happen.

And, I can't count the number of times I was positive

something was

happening and found out it wasn't.

--

Dave Hargis, Microsoft Access MVP

"Kevin B" wrote:

Well, there has to be a record because the list that displays in the list box is a list of jobs already in the table, so there has to be record. Each time I run the SQL I'm getting 1 record back.

As for where the error is occurring, I haven't a clue. If I select one record or ten and step through the code it works fine. If I just execute the code from the form by clicking the command button I error out with a 3021

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error.

Thanks for the quick reply, and thanks for your past posts I've gleaned some good stuff from reading them.

Kevin B.

--

Kevin Backmann

"Klatuu" wrote:

You didn't say where in the code the error is occurring. That would be useful to know. The only thing I see is that after you open the recordset, you don't check to see if you actually got a record. If the query returns no records, you might get that error.

Try adding after this line:  
Set rst =  
dbf.OpenRecordset(strSQL)  
If rst.RecordCount = 0 Then  
'Change your code so it  
loops to the next job.  
End If

If that doesn't do it, post back and show where the error happens. It is possible it could be a timing problem.

--

Dave Hargis, Microsoft  
Access MVP

"Kevin B" wrote:

I've got  
some  
automation  
code that

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errors out  
when it's  
called from  
a form,  
displaying  
error #3021.  
However, if  
I insert  
break points  
and step  
through  
the code  
with either  
F8 or F5 it  
runs just  
fine.

The  
sequence of  
event is:

1. Capture  
selected job  
name from  
a listbox on  
a form to an  
array
2. Create  
proto-file  
names using  
the selected  
job names  
and store to  
an array
3. Query the  
table, one  
job name at  
a time and  
store each  
field value  
to an  
array
4. Open a  
new word  
doc, using a  
template,  
and  
populate  
table 1  
w/field data
5. Save and

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close the  
document  
and repeat  
the loop

I've posted  
the code  
below and  
any tips or  
suggestions  
would be  
greatly  
appreciated,  
I seem to  
have run out  
of ideas at  
this point.

Code  
follows:

Function  
GenerateWordDocuments(frm  
As Form)

```
'=====
'  
' Purpose:  
Generate  
Word  
documents  
using the  
requests  
that  
' were  
selected on  
Print  
Request  
Forms tab  
of the  
' frmMain  
form  
'  
' Input: The  
frmMain  
form as a  
form object  
'  
' Output:  
Nothing  
'  
'=====
```

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' Object  
variables  
for the  
current  
database, a  
generic  
' recordset  
object, the  
list box  
with the job  
names and  
' three Word  
objects: the  
application,  
the  
document  
and the  
' first table  
in the  
document  
object

Dim dbf As  
DAO.Database,  
rst As  
DAO.Recordset,  
lstDocRequests

—  
As ListBox,  
wdApp As  
Word.Application,  
wdDoc As \_  
Word.Document,  
wdTbl As  
Word.Table

' 3 array  
variables  
for the  
selected job  
names, their  
' related  
document  
name and  
the 13  
values  
returned by  
the  
' the query  
that are

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used to  
populate the  
Word  
template

---

Dim  
strJobs() As  
String,  
strDocs()  
As String,  
varVals(12)  
As \_  
Variant

---

' String  
variables  
for the SQL  
that extracts  
the data for  
' each  
selected job,  
the current  
date as a  
string used  
in  
' the  
filename, 3  
counters  
used in  
various  
FOR loops  
and  
' a boolean  
that  
indicates  
whether or  
not Word is  
up and  
' running

---

Dim strSQL  
As String,  
strDate As  
String,  
intDocTot  
As \_  
Integer,  
intFields As  
Integer, i As  
Integer, \_  
blnIsAppRunning

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As Boolean

On Error

GoTo

Err\_GenerateWordDocuments

'-----  
' Assign the  
list box and  
the string  
date to their  
' respective  
variables.

Cycle  
through all  
the names  
in the  
' list box  
and capture  
all selected  
ones to the  
strJobs()  
' array. The  
intDocTot  
variables  
counts the  
number of  
' selected  
documents  
and is used  
in future  
FOR loops  
as a  
' control  
value  
'-----

Set

lstDocRequests

=

frm.lstDocRequests

Set dbf =

CurrentDb

'Suppress

screen

activity,

disply stat

bar message

ScreenOn

False,

"Capturing

job names

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```
and  
generating "  
& _  
"document  
file names,  
please  
wait..."  
DoCmd.SetWarnings  
False
```

```
strDate =  
CStr(Format$(Date,  
"mm-dd-yyyy"))  
With  
lstDocRequests  
For i = 0 To  
.ListCount  
- 1  
If  
.Selected(i)  
Then  
ReDim  
Preserve  
strJobs(i)  
strJobs(i) =  
.Column(1,  
i)  
intDocTot =  
intDocTot +  
1  
End If  
Next i  
End With
```

---

```
'-----  
' With the  
total  
number of  
selected  
documents  
counted,  
'  
redimension  
the strDocs  
array, and  
then strip  
out any  
' spaces,  
replacing  
them with  
an  
underscore,
```

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```
strip out  
' any dashes  
replacing  
them with  
nothing and  
then strip  
out  
' any 2  
consecutive  
underscores  
replacing  
them with a  
' single  
underscore.  
This array  
holds the  
future root  
name  
' values  
which will  
be assigned  
to the  
documents  
created  
' later on in  
this  
function
```

---

```
ReDim  
strDocs(intDocTot)  
For i = 0 To  
intDocTot -  
1  
strDocs(i) =  
Replace(strJobs(i),  
" ", "_")  
strDocs(i) =  
Replace(strJobs(i),  
"_", "")  
strDocs(i) =  
Replace(strJobs(i),  
"__", "_") &  
strDate  
Next i
```

---

```
' Next step  
is to create  
the Word  
application  
object.  
Using
```

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' the UDF  
IsAppRunning  
determine  
whether or  
not Word is  
' listed in  
the running  
objects  
table. If it is  
use  
' GetObject,  
otherwise  
use  
CreateObject  
to initialize  
the  
' variable  
'

---

```
blnIsAppRunning
=
IsAppRunning("WinWord.exe")
If
blnIsAppRunning
Then
Set wdApp
=
GetObject(,
"Word.application")
Else
Set wdApp
=
CreateObject("Word.Application")
End If
```

---

' The next  
FOR loop  
contains a  
nested FOR  
and 2 nested  
WITH  
' statements.  
'

' The  
overview is  
to create a  
recordset  
object by  
querying  
' the jobs  
record.  
Store each

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of the field  
values to  
the  
' varVals  
array.  
'

' With the  
Word  
object,  
create a new  
document  
and save it  
' using the  
current  
strDocs  
array value.  
Then loop  
through  
' all the  
values in  
the varVals  
array and  
place them  
in the  
' appropriate  
cell in Table  
1 of the  
current  
document.  
'

' When  
done, resave  
and close  
the current  
document  
and  
' loop to  
create the  
next one.  
'

---

For i = 0 To  
intDocTot -  
1  
ScreenOn  
False,  
"Capturing  
data for the  
next , " & \_  
"document,  
please  
wait..."

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```
'Recordset
query
strSQL =
"SELECT *
FROM
tblPermCycleSetups
WHERE
((( " & _
"Job_Name)="
& strJobs(i)
& "));"
Set rst =
dbf.OpenRecordset(strSQL)
With rst
'Loop
through the
returned
record and
capture
field
'values
For
intFields =
0 To 12
varVals(intFields)
=
Nz(.Fields(intFields
+ 1). _
Value, "")
Next
intFields
End With
'Activate
the word
app
With
wdApp
'Add
andsave a
new
document
and
initialize the
table
'variable
ScreenOn
False,
"Creating
and save "
&
strDocs(i)
```

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```
& _  
".doc,  
please  
wait..."  
Set wdDoc  
=  
wdApp.Documents.Add(conWDTemp)  
wdDoc.SaveAs  
conDocDir  
&  
strDocs(i),  
FileFormat:=wdFormatDocument  
Set wdTbl =  
wdDoc.Tables(1)  
'With the  
table object,  
place the 13  
values  
captured  
from the  
'recordset in  
their  
corresponding  
table cell  
With wdTbl  
For  
intFields =  
0 To 12  
Select Case  
intFields  
Case 0  
.Cell(1,  
2).Range.Text  
= _  
varVals(intFields)  
Case 1  
.Cell(2,  
2).Range.Text  
= _  
varVals(intFields)  
Case 2  
.Cell(3,  
2).Range.Text  
= _  
varVals(intFields)  
Case 3  
.Cell(4,  
2).Range.Text  
= _  
varVals(intFields)  
Case 4
```

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```
.Cell(5,  
2).Range.Text  
= _  
varVals(intFields)  
Case 5  
.Cell(6,  
2).Range.Text  
= _  
varVals(intFields)  
Case 6  
.Cell(7,  
2).Range.Text  
= _  
varVals(intFields)  
Case 7  
.Cell(7,  
4).Range.Text  
= _  
varVals(intFields)  
Case 8  
.Cell(8,  
2).Range.Text  
= _  
varVals(intFields)  
Case 9  
.Cell(8,  
4).Range.Text  
= _  
varVals(intFields)  
Case 10  
.Cell(9,  
2).Range.Text  
= _  
varVals(intFields)  
Case 11  
.Cell(10,  
2).Range.Text  
= _  
varVals(intFields)  
Case 12  
.Cell(11,  
2).Range.Text  
= _  
varVals(intFields)  
Case Else  
End Select  
Next  
intFields  
'Save and  
close the  
current
```

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```
word  
document  
wdDoc.Save  
wdDoc.Close  
End With  
End With  
Next i
```

```
wdApp.Quit
```