

## Error Trap Connection to SQL server

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I am trying to establish links from Ms Access to tables in a SQL server database. There is an Access

table (tblLinkMaster) that contain all the required linkage information. If the database is attached

and the network connection is good, the code below works fine and all is well with the world.

However, when I detach the database and test to see what the user would see, I get... Connection

failed: SQLSTATE:'08004' SQL Server Error: 4060 Server rejected the connection; Access to selected

database has been denied. If I then click OK and cancel, the program errors out in a messy manner.

```
(Program stops HERE  
' Then get new link info  
  db1.Execute ("qapptblLinkTable"))
```

If the database is not available, I would prefer that the whole procedure stop and exit gracefully.

Any Ideas on how this can be error trapped nicely ?

Thanks !

```
Function GetMasterLinkData()  
' Based on Data in Local table (entered via form) – tblLinkMaster /  
qrytblLinkMaster  
  Dim db1 As DAO.Database  
  Dim rs1 As DAO.Recordset  
  Set db1 = CurrentDb()  
  Set rs1 = db1.OpenRecordset("qrytblLinkMaster")
```

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```
Dim strLinkName As String
Dim strDBName As String
Dim strTableName As String
Dim strDSNname As String
Dim strServerName As String

rs1.MoveFirst
If IsNull(rs1!LinkName) Or rs1!LinkName = "" Or _
  IsNull(rs1!DatabaseName) Or rs1!DatabaseName = "" Or _
  IsNull(rs1!TableName) Or rs1!TableName = "" Or _
  IsNull(rs1!ServerName) Or rs1!ServerName = "" Then
  MsgBox ("The Initial Set-up Infomation Is Incomplete – Please contact
an Administrator")
  Exit Function
Else
  strLinkName = rs1!LinkName
  strDBName = rs1!DatabaseName
  strTableName = rs1!TableName
  strDSNname = ""
  strServerName = rs1!ServerName
  Call LinkTableDAO(strLinkName, strDBName, strTableName, strDSNname,
strServerName)

End If

' Now remove previous link info
db1.Execute ("DELETE from tblLinkTable")

' Then get new link info
db1.Execute ("qapptblLinkTable")

rs1.Close
Set rs1 = Nothing
db1.Close
Set db1 = Nothing

End Function

Public Function LinkTableDAO(strLinkName As String, strDBName As String,
strTableName As String,
strDSNname As String, strServerName As String)

Dim db As DAO.Database
Dim tdf As DAO.TableDef

On Error Resume Next
Set db = CurrentDb
' if link pre-exists, then delete it
Set tdf = db.TableDefs(strLinkName)
If Err.Number = 0 Then
```

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```
' Found an existing tabledef
db.TableDefs.Delete strLinkName
db.TableDefs.Refresh
Else
' No existing tabledef
' Ignore error and reset
Err.Clear
End If

' Create a new TableDef object
Set tdf = db.CreateTableDef(strLinkName)
' set connect and source table name properties to establish link
tdf.Connect = "ODBC;Driver={SQL Server};Server=" & strServerName &
";Database=" & strDBName &
";Trusted_Connection=Yes"
tdf.SourceTableName = strTableName

' Append to the database's TableDefs collection
' IF SQL SERVER DB NOT ATTACHED – THEN ERROR OCCURS HERE
db.TableDefs.Append tdf

db.Close

End Function
```