

ZGUID.DLL Version 1.0.0 Readme File

Introduction:

The use of GUID (Global Unique ID) field can be a great ease in the database design. However, you must handle this type of value in your programs, for example, changing its value in a recordset, inserting a new value in an action query, or passing a parameter value in a selection query, etc.

Now, you can rely on ZGUID ActiveX Component to do these jobs for you.

ZGUID component can be used with DAO, RDO and ADO.

Description:

- ActiveX Component for handling Microsoft Access 97 and SQL Server GUID fields
- **SourceType:** stACCESS, stMSSQL (Or 0, 1)
- **CreateGuid(ByVal st As SouceType):**
 - Create a new GUID value,
 - st: 0 Access, 1: SQL Server.
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- **StringToGuid(ByVal sGUID As String, ByVal st As SourceType):**
 - Convert a GUID string to a GUID value,
 - sGUID: a GUID String, for example, {A8EDCF10-1E23-11d2-A4F4-002018614C28},
 - st: 0 Access, 1: SQL Server.
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- **GuidToString(ByVal g As Variant):**
 - Convert a GUID value to a GUID string,
 - g: a GUID Value,
 - st: 0 Access, 1: SQL Server.
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Database Field Format:

MS Access 97 GUID Field: Replication ID
MS SQL Server GUID field: binary (16)

Example uses for Visual Basic:

(1) RDO Example:

Private Sub Command1_Click()

```

On Error GoTo err_command1

Dim id As Variant
Dim qd As New rdoQuery
Dim rs As rdoResultset

id = ZGUID.CreateGuid(stMSSQL)           'Create GUID value

With qd
    Set .ActiveConnection = Cnn           'MS SQL Server Connection
    .SQL = "insert into table1 values (?, ?)"
    qd(0).Type = rdTypeBINARY             'GUID Field Type
    qd(0).Value = id
    qd(1).Type = rdTypeINTEGER
    qd(1).Value = 1998
    qd.Execute
    .SQL = "select * from table1 where id = ?"
    qd(0).Type = rdTypeBINARY
    qd(0).Value = id
    Set rs = .OpenResultset(rdOpenKeyset)   'rdoResultset
End With

Rs.MoveFirst
Text1 = ZGUID.GuidToString(rs.rdoColumns(0).Value, stMSSQL) 'Display new GUID String

exit_command1:
If Err.Number <> 0 Then Err.Clear

On Error Resume Next
rs.Close
Set rs = Nothing
Set qd = Nothing

Exit Sub

err_command1:
MsgBox Err.Description
GoTo exit_command1

End Sub

```

(2) ADO Example:

```

Private Sub Command1_Click()

On Error GoTo err_command1

Dim id As Variant
Dim rs As New adodb.Recordset
Dim cmd As New adodb.Command
Dim prm As adodb.Parameter

id = ZGuid.CreateGuid(stMSSQL)

```

```

Text1 = ZGuid.GuidToString(id, stMSSQL)

With cmd
    .ActiveConnection = cnn

    .CommandText = "insert into table1 (id) values (?)"
    .CommandType = adCmdText

    Set prm = .CreateParameter("idPrm", adBinary, _
        adParamInput, 16, id)
    .Parameters.Append prm

    .Execute

    .CommandText = "select * from table1"
    .CommandType = adCmdText

    .Parameters.Delete 0

    Set prm = .CreateParameter("idPrm", adBinary, _
        adParamInput, 16, ZGuid.StringToGuid(Text1, stMSSQL))
    .Parameters.Append prm

    Set rs = .Execute
End With

rs.MoveFirst
Text2 = ZGuid.GuidToString(rs.Fields(0).Value, stMSSQL)

exit_command1:
    If Err.Number <> 0 Then Err.Clear

    On Error Resume Next
    rs.Close
    Set rs = Nothing
    cmd.Parameters.Delete 0
    Set cmd = Nothing

Exit Sub

err_command1:
    MsgBox Err.Description
    GoTo exit_command1

End Sub

```

(3) DAO example:

```

Private Sub Command1_Click()

    On Error GoTo err_command4

    Dim db As dao.Database
    Dim rs As dao.Recordset
    Dim qd As dao.QueryDef
    Dim id As Variant

```

```

id = ZGUID.CreateGuid(stACCESS)

Set db = OpenDatabase("example.mdb")
Set qd = db.CreateQueryDef("")

With qd
    .SQL = "PARAMETERS idPrm Binary; " & _
        "insert into table1 (id) values (idPrm);"
    .Parameters!idPrm = id
    .Execute

    .SQL = "PARAMETERS idPrm Binary; " & _
        "select * from table1 where id = idPrm;"
    .Parameters!idPrm = id

    Set rs = .OpenRecordset(dbOpenDynaset)
End With

rs.MoveFirst
Text1 = rs!id

exit_command1:
    If Err.Number <> 0 Then Err.Clear
    On Error Resume Next
    db.Close
    Exit Sub

err_command1:
    MsgBox Err.Description
    GoTo exit_command1

End Sub

Contact:
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Shareware Registration Info:
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Program Title: ZGUID ACTIVEX COMPONENT VERSION 1.0.0
Registration ID: 17222

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