

Excel - Import data from Access to Excel (ADO) using VBA

With the procedure below you can import data from an **Access** table to a worksheet.

```
Sub ADOImportFromAccessTable(DBFullName As String, _
    TableName As String, TargetRange As Range)
' Example: ADOImportFromAccessTable "C:\FolderName\DataBaseName.mdb", _
    "TableName", Range("C1")

Dim cn As ADODB.Connection, rs As ADODB.Recordset, intColIndex As Integer
Set TargetRange = TargetRange.Cells(1, 1)
' open the database
Set cn = New ADODB.Connection
cn.Open "Provider=Microsoft.Jet.OLEDB.4.0; Data Source=" & _
    DBFullName & ";"

Set rs = New ADODB.Recordset
With rs
    ' open the recordset
    .Open TableName, cn, adOpenStatic, adLockOptimistic, adCmdTable
    ' all records
    .Open "SELECT * FROM " & TableName & _
        " WHERE [FieldName] = 'MyCriteria'", cn, , , adCmdText
    ' filter records

    RS2WS rs, TargetRange ' write data from the recordset to the worksheet

    ' optional approach for Excel 2000 or later (RS2WS is not necessary)
    ' For intColIndex = 0 To rs.Fields.Count - 1 ' the field names
    '     TargetRange.Offset(0, intColIndex).Value =
rs.Fields(intColIndex).Name
    '     Next
    ' TargetRange.Offset(1, 0).CopyFromRecordset rs ' the recordset data
```

```
End With  
rs.Close  
Set rs = Nothing  
cn.Close  
Set cn = Nothing  
End Sub
```

The macro examples assumes that your **VBA** project has added a reference to the **ADO** object library.

You can do this from within the **VBE** by selecting the menu **Tools, References** and selecting **Microsoft ActiveX Data Objects x.x Object Library**.

Use **ADO** if you can choose between **ADO** and **DAO** for data import or export.