



# Using macros with Winshuttle, Central mode

Version 10.7

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## Query macros

### Run a published script

1. Define Addin Objects  
*Dim xSHUTTLE, AddinObject*
2. Get Addin Object from Excel  
*Set xSHUTTLE = Application.COMAddIns.Item("xSHUTTLEAddIn.AddinModule")*
3. Get COM object from Addin Object  
*Set AddinObject = xSHUTTLE.Object.QsMacros*
4. Select published file to run, define other run properties (see Properties for Query Addin Object)  
*AddinObject.PublishedQueryFile = "TestMacro1"*
5. Run AddinObject to run Query script  
*AddinObject.Run*

### Properties for a Query Addin object

Run settings or advanced run options set in the script are not respected during the Macro run. These need to be set by using the various properties that have been exposed for the Addin object.

Property/Function	Value(s)/Parameter	Description
<b>PublishedQueryFile</b>	Published Query File Description	Selects the published file to run
<b>OpenQueryFile()</b>	Script file path	Selects the Query script to run
<b>StartRow</b>	Row Number	Excel row from which downloaded records should be written
<b>LogColumn</b>	Column/Cell	Column/Cell where run logs should be written
<b>RecordsToFetch</b>	No. of records	Number of records to be returned by the Query run
<b>WriteHeader</b>	True/False	Write mapping headers for the downloaded data
<b>ExtractAllRecords</b>	True/False	Override RecordsToFetch and extract all records
<b>RunReason</b>	Run reason string	Specify a reason for this run
<b>Run</b>	NA	Run the AddinObject script
<b>Alf</b>	ALF file path	Selects the auto logon file to connect with SAP server
<b>SheetName</b>	Sheet Number	Sheet number in the Excel file on which data should be written

**RTV**

Runtime values

Values can be given to fields  
for which criteria type is  
Runtime

## Sample code

```
Sub RunPublishedQsq()  
  
'-----  
' Macro to use xSHUTTLE addin with code  
'-----  
'  
' RunPublishedQSQfile Macro  
'  
    Dim xSHUTTLE, AddinObject  
  
    On Error GoTo ErrHandler  
    ' GET ADDIN OBJECT FROM EXCEL  
    Set xSHUTTLE = Application.COMAddIns.Item("xSHUTTLEAddIn.AddinModule")  
  
    If xSHUTTLE Is Nothing Then  
        MsgBox "Unable to initialize object of xSHUTTLE addin"  
        Exit Sub  
    End If  
  
    ' Get com object from addin object  
    Set AddinObject = xSHUTTLE.Object.QsMacros  
    If xSHUTTLE Is Nothing Then  
        MsgBox "Unable to initialize com object of xSHUTTLE addin"  
        Exit Sub  
    End If  
  
    ' Select the published file to Run  
    AddinObject.PublishedQueryFile = "TestMacro1"  
  
    AddinObject.StartRow = 2  
  
    AddinObject.LogColumn = "E"  
    ' ALF file path need to be addressed here. Uncomment below line to use AutoLogon File.  
    'AddinObject.Alf = "C:\USERS\ANKURG\DOCUMENTS\WINSHUTTLE\QUERY\ALF\W6R800.ALF"
```

```

' User can specify the Sheet where data needs to be downloaded. Uncomment below line to use
Secific sheet.
  AddinObject.SheetName = "Sheet2"

'Run time parameters should be script specific
'AddinObject.RTV =
rtv"ScriptName~~TableName.FieldName#Value1#Value2|Value3##Value4|Value5|Value6~TableNam
e.FieldName#Value1#Value2"
'Please see example below and uncomment below line to use Run Time Variables (RTV).
  'AddinObject.RTV = "TestMacro1~~MARA.MATNR#100-100~MARC.WERKS#"

  ' Call the Run Function to start uploading data
  AddinObject.Run
  Exit Sub

ErrorHandler:
  MsgBox Err.Description
End Sub

```

## Transaction macros

### Run a published script

1. Define Addin Objects  
*Dim runSHUTTLEAddin, AddinObject*
2. Get Addin Object from Excel  
*Set runSHUTTLEAddin = Application.COMAddIns.Item("TxRunner.AddinModule")*
3. Get COM object from Addin Object  
*Set AddinObject = runSHUTTLEAddin.Object.TsMacros*
4. Select published file to run, define other run properties (see Properties for Transaction Addin Object)  
*AddinObject.PublishedShuttleFile = "TestMacro1"*
5. Run AddinObject to run Transaction script  
*AddinObject.Run*

### Properties for a Transaction Addin object

Run settings or advanced run options set in the script are not respected during the macro run. These need to be set by using the various properties that have been exposed for the Addin object.

Property/Function	Value(s)/Parameter	Description
<b>PublishedShuttleFile</b>	Published Transaction script Description	Selects the published file to run
<b>OpenShuttleFile()</b>	Script file path	Selects the Transaction script to run
<b>StartRow</b>	Row Number	Excel Row from which data upload should start
<b>EndRow</b>	Row Number	Excel Row to which data should be uploaded
<b>LogColumn</b>	Column/Cell	Column/Cell where run logs should be written
<b>RunReason</b>	Run reason string	Specify a reason for this run
<b>TypeOfRun</b>	0 – Run Now 1 – Run On Errors 2 – Step By Step Stop On All Screens 3 – Step By Step Stop On Errors 4 - Step by Step Run on Errors	Select the type of run from the possible values
<b>RunOnRows</b>	0 – As in Transaction Script	Selection of rows: Start/End Row or Selected or Filtered rows

	1 – Selected rows 2- Filtered rows	
<b>Run</b>	NA	Run the AddinObject script
<b>Validate</b>	NA	Validate the AddinObject script
<b>AlfPath</b>	ALF file path	Selects the auto logon file to connect with SAP server
<b>SheetName</b>	Sheet Number	Sheet number in the Excel file on which data should be written

## Sample Code

```

Sub RunPublishedSHUTTLEfile()
'
' RunPublishedSHUTTLEfile Macro
'
    Dim runSHUTTLEAddin, AddinObject

    On Error GoTo ErrHandler
    ' GET ADDIN OBJECT FROM EXCEL
    Set runSHUTTLEAddin = Application.COMAddIns.Item("TxRunner.AddinModule")

    If runSHUTTLEAddin Is Nothing Then
        MsgBox "Unable to initialize object of runSHUTTLE addin"
        Exit Sub
    End If

    ' Get com object from addin object
    Set AddinObject = runSHUTTLEAddin.Object.TsMacros
    If runSHUTTLEAddin Is Nothing Then
        MsgBox "Unable to initialize com object of runSHUTTLE addin"
        Exit Sub
    End If

    ' Set the Run type from the following
    ' RunNow = 0,
    ' RunOnErrors = 1,
    ' StepByStep_StopOnAllScreens = 2,
    ' StepByStep_StopOnErrors = 3
    AddinObject.TypeofRun = 0

    ' Set the RunOnRows from the following
    ' AsInShuttleFile = 0,

```

```
' Selected = 1,  
' Filtered = 2  
AddinObject.RunOnRows = 0  
  
' Select the published file to Run  
AddinObject.PublishedShuttleFile = "TxR_Test3"  
  
AddinObject.StartRow = 2  
  
AddinObject.EndRow = 15  
  
AddinObject.LogColumn = "E"  
  
AddinObject.SheetName = "Sheet1"  
  
AddinObject.AlfPath = "C:\Users\amitb\Documents\WinShuttle\TRANSACTION\Alf\WE6800.ALF"  
  
' Call the Run Function to start uploading data  
AddinObject.Run  
Exit Sub  
  
ErrorHandler:  
MsgBox Err.Description  
End Sub
```



## Known issues

- ExtractAllRecords fetches all records even if the number of records is greater than the maximum number of records allowed for download.
- Start Row is always picked as 2 if not defined.
- When you run a macro a second time, it blanks out any opened script in Query Addin (not published file).
- If the Query Addin is disabled or not registered, expected error message (defined in the macro) does not appear.
- Only published scripts can be executed through macros in Central mode.
- Only No Data Review workflow data files can be executed through macros in Central mode, and you should save the file locally before executing the macro.
- Save to Central will not work when a macro is used to run the data file in Central mode.
- Run Reason Required will not work if the same is checked on Central site.

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