

# Creating an Update MsgBox that only runs once with VBA

This is tricky depending on deployment scenario. You have a few options to make it only run once, in this example I created an "Update\_Log.txt" on the central server which each computer writes to when it is updated and checks for the update log before presenting message again. Now when I deploy an update I change the "Revision #" and the "UpdateMsg" and it is deploy to each computer. The MsgBox is displayed once and I can also track who has received the update.

## Main Sub:

```
''''PUBLICVARS''''
Public blnFound As Boolean
Public UpdateRev As Variant
''''ENDPUBVARS''''
Public Sub UpdateMsg()

Call UpdateLogCheck ' Check and/or create Update_Log.txt
blnFound = False ' Always start false
UpdateRev = "Updated:1" & (Environ$("Username")) 'Increment with each Update
Call SearchTextFile(UpdateRev)

If Not blnFound = "True" Then
    Call Update_Msg
    Call IncrementUpdateLog(UpdateRev)
End If
End Sub
```

## CreateUpdateLog Module:

```
Public Sub UpdateLogCheck()
Dim UpdateFile As Variant
UpdateFile = "\\server\update_log.txt"
Set fs = CreateObject("Scripting.FileSystemObject")
If Dir(UpdateFile, vbDirectory) = vbNullString Then
    Set a = fs.CreateTextFile(UpdateFile, False)
End If
End Sub
```

## Search Update Log Module:

```
Public Sub SearchTextFile(strSearch)
    strFileName = "\\server\update_log.txt"
    ' Const strSearch = "Updated:1"
    Dim strLine As String
    Dim f As Integer
    Dim lngLine As Long
    f = FreeFile
    Open strFileName For Input As #f
    Do While Not EOF(f)
        lngLine = lngLine + 1
        Line Input #f, strLine
        If InStr(1, strLine, strSearch, vbBinaryCompare) > 0 Then
            blnFound = True
            Exit Do
        End If
    Loop
    Close #f
End Sub
```

## The UpdateMsg Module:

```
Public Sub Update_Msg()  
  
Dim line1 As Variant  
Dim line2 As Variant  
Dim line3 As Variant  
Dim line4 As Variant  
Dim line5 As Variant  
Dim line6 As Variant  
Dim line7 As Variant  
Dim line8 As Variant  
Dim line9 As Variant  
  
line1 = "This is the 'New Revision' Message, it should only appear once when there is a new revision"  
line2 = "This Revision focused on this new delivery system for Revision Updates"  
  
    MsgBox line1 & vbCrLf & vbCrLf & _  
        line2 & vbCrLf & vbCrLf & _  
        line3 & vbCrLf & vbCrLf & _  
        line4 & vbCrLf & vbCrLf & _  
        line5 & vbCrLf & vbCrLf & _  
        line6 & vbCrLf & vbCrLf & _  
        line7 & vbCrLf & vbCrLf & _  
        line8 & vbCrLf & vbCrLf & _  
        line9 & vbCrLf & vbCrLf  
  
End Sub
```

#### Increment/Update Log File:

```
Public Sub IncrementUpdateLog(UpdateRev)  
  
Dim UpdateFile As Variant  
UpdateFile = "\\server\update_log.txt"  
Open UpdateFile For Append As #1  
Write #1, UpdateRev  
Close #1  
  
End Sub
```