

Re: Help for Harlan's Pull

Source:

<http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.worksheet.functions/2005-08/msg00598.html>

- *From:* Dave Peterson <petersod@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 02 Aug 2005 08:43:38 -0500
-

Could be a wrong version.

Here's the version that worked for me:

Option Explicit

Function pull(xref As String) As Variant

'inspired by Bob Phillips and Laurent Longre

'but written by Harlan Grove

'

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'

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'it under the terms of the GNU General Public License as published
'by the Free Software Foundation; either version 2 of the License,
'or (at your option) any later version.

'

'2004-05-30

'still more fixes, this time to address apparent differences between
'XL8/97 and later versions. Specifically, fixed the InStrRev call,
'which is fubar in later versions and was using my own hacked version
'under XL8/97 which was using the wrong argument syntax. Also either
'XL8/97 didn't choke on CStr(pull) called when pull referred to an
'array while later versions do, or I never tested the 2004-03-25 fix
'against multiple cell references.

'

'2004-05-28

'fixed the previous fix - replaced all instances of 'expr' with 'xref'
'also now checking for initial single quote in xref, and if found
'advancing past it to get the full pathname [dumb, really dumb!]

'

'2004-03-25

'revised to check if filename in xref exists - if it does, proceed;
'otherwise, return a #REF! error immediately - this avoids Excel
'displaying dialogs when the referenced file doesn't exist

'

Dim xlapp As Object, xlwb As Workbook

Dim b As String, r As Range, C As Range, n As Long

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```

** begin 2004-05-30 changes **
** begin 2004-05-28 changes **
** begin 2004-03-25 changes **
n = InStrRev(xref, "\")

If n > 0 Then
If Mid(xref, n, 2) = "\" Then
b = Left(xref, n)
n = InStr(n + 2, xref, "]") - n - 2
If n > 0 Then b = b & Mid(xref, Len(b) + 2, n)

Else
n = InStrRev(xref, "!")
'changed from "n = InStrRev(Len(xref), xref, "!")
If n > 0 Then b = Left(xref, n - 1)

End If

** key 2004-05-28 addition **
If Left(b, 1) = "" Then b = Mid(b, 2)

On Error Resume Next
If n > 0 Then If Dir(b) = "" Then n = 0
Err.Clear
On Error GoTo 0

End If

If n <= 0 Then
pull = CVErr(xlErrRef)
Exit Function
End If
** end 2004-03-25 changes **
** end 2004-05-28 changes **

pull = Evaluate(xref)

** key 2004-05-30 addition **
If IsArray(pull) Then Exit Function
** end 2004-05-30 changes **

If CStr(pull) = CStr(CVErr(xlErrRef)) Then
On Error GoTo CleanUp 'immediate clean-up at this point

Set xlapp = CreateObject("Excel.Application")
Set xlwb = xlapp.Workbooks.Add 'needed by .ExecuteExcel4Macro

On Error Resume Next 'now clean-up can wait

n = InStr(InStr(1, xref, "]") + 1, xref, "!")

```

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```
b = Mid(xref, 1, n)
```

```
Set r = xlwb.Sheets(1).Range(Mid(xref, n + 1))
```

```
If r Is Nothing Then
```

```
pull = xlapp.ExecuteExcel4Macro(xref)
```

```
Else
```

```
For Each C In r
```

```
C.Value = xlapp.ExecuteExcel4Macro(b & C.Address(1, 1, xlR1C1))
```

```
Next C
```

```
pull = r.Value
```

```
End If
```

```
CleanUp:
```

```
If Not xlwb Is Nothing Then xlwb.Close 0
```

```
If Not xlapp Is Nothing Then xlapp.Quit
```

```
Set xlapp = Nothing
```

```
End If
```

```
End Function
```

```
=====
```

There was just another thread that said that this worked on some versions of excel/windows but not others.

What version of excel and windows are you using?

If you're using xl97, then add this to the bottom of the module:

```
Function InStrRev97(mystr As Variant, mydelim As String) As Long
```

```
Dim i As Long
```

```
InStrRev97 = 0
```

```
For i = Len(mystr) To 1 Step -1
```

```
If Mid(mystr, i, 1) = mydelim Then
```

```
InStrRev97 = i
```

```
Exit Function
```

```
End If
```

```
Next i
```

```
End Function
```

(and replace instrrev with instrrev97 in Harlan's code.)

Norm wrote:

>

> Dave,

>

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Re: Help for Harlan's Pull

> Something is really strange here. I get the correct result in the cell when
> I do not use =pull().
>
> I attempted to copy and paste the formula you have below, but I continue to
> get the same result. – #VALUE!
>
> Using the pull() function seems like it is more logical, but the cell only
> seems to process when you would normally get #REF!
>
> Is it possible I have grabbed the wrong pull function?
>
> "Dave Peterson" wrote:
>
>> I used this formula:
>>
>> =pull("""&modeldir&"\[jointdefaults.xls]Boltrows'!\$E\$5")
>>
>> And Harlan's UDF worked fine for me.
>>
>> (I still wanted you to keep the =pull() portion.)
>>
>> Norm wrote:
>>>
>>> Dave,
>>>
>>> Still having trouble.
>>>
>>> ModelDir = C:\TeklastructuresModels\11.2
>>> Cell which returns the correct result =
>>> ="C:\TeklaStructuresModels\11.2\[jointdefaults.xls]Boltrows'!\$E\$5"
>>>
>>> Cell which returns
>>> ="C:\TeklaStructuresModels\11.2\[jointdefaults.xls]Boltrows'!\$E\$5" is =
>>> "="&ModelDir&"\[jointdefaults.xls]Boltrows'!\$E\$5"
>>>
>>> I have tried variations of this as well
>>>
>>> Cell =
>>> ="&ModelDir&"\[jointdefaults.xls]Boltrows'!\$E\$5" returns
>>> "C:\TeklaStructuresModels\11.2\[jointdefaults.xls]Boltrows'!\$E\$5"
>>>
>>> "Norm" wrote:
>>>
>>>> Dave,
>>>>
>>>> Thanks! That did work, however I need to be able use the value ModelDir for
>>>> the path and folder location of the xls file. Is that possible. Your method
>>>> leaves me with a static result.
>>>>
>>>> Norm
>>>>

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>>>> "Dave Peterson" wrote:
>>>>
>>>>> I'd copy that formula to an empty cell.
>>>>> Then I'd remove the pull(and last).
>>>>> Then with the cursor still in the formula bar, hit F9 to convert it to text.
>>>>> Then add the = sign to the formula.
>>>>>
>>>>> Did that work ok?
>>>>>
>>>>> If not, maybe your modeldir isn't correct????
>>>>>
>>>>> I often open the other workbook, build a formula that points to that cell, then
>>>>> close that workbook so I can see how excel builds that long string.
>>>>>
>>>>> You may want to post back both versions --- a direct link and the formula you're
>>>>> using (and what's in modeldir) if you have trouble.
>>>>>
>>>>>
>>>>>
>>>>> Norm wrote:
>>>>>>
>>>>>> Can someone help me out and explain (show an example formula) of how to use
>>>>>> Harlan's pull function?
>>>>>>
>>>>>> It sounds exactly like what I need, but I cannot get it to work. Below is
>>>>>> what I have input into the cell which I need to recover data from a closed
>>>>>> workbook.
>>>>>>
>>>>>> =pull("""&ModelDir&"\jointdefaults.xls]Defaults'!\$C\$21")
>>>>>>
>>>>>> am I even close?
>>>>>>
>>>>>> The spreadsheet is always named jointdefaults.xls and the folder path is
>>>>>> obtained in the range ModelDir.
>>>>>>
>>>>>>
>>>>>> ---
>>>>>>
>>>>>> Dave Peterson
>>>>>>
>>
>> ---
>>
>> Dave Peterson
>>

Dave Peterson

.

- *Follow-Ups:*
 - ◆ *Re: Help for Harlan's Pull*
 - ◇ *From: Norm*

- *References:*
 - ◆ *Help for Harlan's Pull*
 - ◇ *From: Norm*
 - ◆ *Re: Help for Harlan's Pull*
 - ◇ *From: Dave Peterson*
 - ◆ *Re: Help for Harlan's Pull*
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