

# Re: Determining array length with split function

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<http://www.tech-archive.net/Archive/Word/microsoft.public.word.vba.general/2007-10/msg00018.html>

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  - *Date:* Tue, 2 Oct 2007 00:56:12 +1000
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Hi Ellen

The following should explain how to get information about the array returned by Split():

```
Sub DoingTheSplits()
```

```
Dim sMyText As String
Dim asMyText() As String
Dim lngLowerBound As Long
Dim lngUpperBound As Long
Dim lngNumElements As Long
```

```
sMyText = "This text has four words"
asMyText = Split(sMyText)
```

```
lngLowerBound = LBound(asMyText)
lngUpperBound = UBound(asMyText)
lngNumElements = lngUpperBound - lngLowerBound
```

```
MsgBox "The text '" & sMyText & "' has " & CStr(lngNumElements) & "
elements"
```

```
If lngNumElements >= 3 Then
'Split() always returns a 0-based array.
'So the 3rd word is asMyText(2).
MsgBox "The third word of my text is '" & asMyText(2) & "'"
End If
```

```
'Or, you could do
If UBound(asMyText) >= 2 Then
'Split() always returns a 0-based array.
'So the 3rd word is asMyText(2).
MsgBox "The third word of my text is '" & asMyText(2) & "'"
End If
```

```
End Sub
```

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Hope this helps.

Shauna Kelly. Microsoft MVP.

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"EllenM" <EllenM@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:7C0B26F2-555E-4076-8182-4E628861A5F0@xxxxxxxxxxxxxxxxxxxx](mailto:news:7C0B26F2-555E-4076-8182-4E628861A5F0@xxxxxxxxxxxxxxxxxxxx)

Hello, I have incorporated the split function to isolate an array of substrings within a string. It works fine, however, I need a way of determining the number of substrings in any given array to avoid referencing an index that is outside the array bounds. For instance, sometimes I could have 3 substrings or other times 8 substrings. As such, something like the following would fail for a string with only 3 substrings.

```
Split(MyData.GetText, vbCr)(5)
```

Anyone familiar with the split function will know that there is no element 5 in the above example. You get an "array out of bounds" error message or some such thing. Is there a way of determining in advance the number of substrings to avoid referencing an item that does not exist? I found Microsoft's help section confusing when studying the split() function.

Thanks,  
Ellen