

Re: Extract email addresses

Source:

<http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.worksheet.functions/2006-12/msg01405.html>

- *From:* Ron Rosenfeld <ronrosenfeld@xxxxxxxxxx>
 - *Date:* Fri, 15 Dec 2006 09:43:37 -0500
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Because of a difference in the VBA flavor of Regular Expressions, the following formula should work better:

```
=remid(A1,"\\b\\S+@[^ \\f\\n\\r\\t\\v\\xA0]+")
```

or

```
=remid(A1,"\\b\\S+@[^ \\f\\n\\r\\t\\v\\x80-\\xFF]+")
```

The issue has to do with handling of characters with an ASCII value > 127 by the \\S token.

On Fri, 15 Dec 2006 07:52:25 -0500, Ron Rosenfeld <ronrosenfeld@xxxxxxxxxx> wrote:

On Fri, 15 Dec 2006 09:20:03 -0000, <Andy> wrote:

Hi

I have been looking for an answer to this for weeks – and I admit defeat!
I have a column of data with email addresses in there, somewhere. Each email is preceded and followed by a space. There are also non-printing 'squares' in there – but I'm not sure if that makes a difference or not!
Sample text could be
This message has been returned . . . address was xxxxxxxx@xxxxxxxxxx and this address etc

So I am trying to extract the section of text with the @ sign, up to but excluding the spaces at both ends.
Help me, please!
Andy.

Re: Extract email addresses

You can do it using Regular Expressions. These can be implemented in VBA or with an add-in.

To implement it in VBA, <alt-F11> opens the VB Editor.

Ensure your project is highlighted in the Project Explorer window. Insert/Module and paste the code below into the window that opens.

From the top menu, Tools/References and select Microsoft VBScript Regular Expressions 5.5.

Then try this formula:

```
=remid(A1,"\\b\\S+@\\S+(?=\\s)")
```

=====

Option Explicit

```
Function REMid(str As String, Pattern As String, _  
Optional Index As Variant = 1, _  
Optional CaseSensitive As Boolean = True) _  
As Variant 'Variant as value may be string or array
```

```
Dim objRegExp As RegExp  
Dim objMatch As Match  
Dim colMatches As MatchCollection
```

```
Dim i As Long 'counter  
Dim t() As String 'container for array results
```

```
' Create a regular expression object.  
Set objRegExp = New RegExp
```

```
'Set the pattern by using the Pattern property.  
objRegExp.Pattern = Pattern
```

```
' Set Case Insensitivity.  
objRegExp.IgnoreCase = Not CaseSensitive
```

```
'Set global applicability.  
objRegExp.Global = True
```

```
'Test whether the String can be compared.  
If (objRegExp.Test(str) = True) Then
```

```
'Get the matches.  
Set colMatches = objRegExp.Execute(str) ' Execute search.
```

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```
On Error Resume Next 'return null string if a colmatch index is non-existent
If IsArray(Index) Then
  ReDim t(1 To UBound(Index))
  For i = 1 To UBound(Index)
    t(i) = colMatches(Index(i) - 1)
  Next i
  REMid = t()
Else
  REMid = CStr(colMatches(Index - 1))
  If IsEmpty(REMid) Then REMid = ""
End If
On Error GoTo 0 'reset error handler
Else
  REMid = ""
End If
End Function
```

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