

Forum:[Hack Forums](#)

Thread: [Split String by length](#)

Dark N3BULA - January 14, 2015, 2:25 am

Hi guys, just a quick question one should go about splitting a string by length.

So basically an equivalent to:

Code Dim str as string = split(somestring, ":")

but instead of the delimiter the string splits at a particular length

Thanks in advance

KingDeath360 - January 14, 2015, 2:48 am

You are looking for substring.

You will find all the things you need at this link:

<http://www.dotnetperls.com/substring-vbnet>

Dark N3BULA - January 14, 2015, 3:22 am

(Jan 14, 2015 03:48 AM)KingDeath360 Wrote: [\[CITE\]](#) You are looking for substring.

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aahh not quiet mate... i want to split strings to manage file sizes

Odus - January 14, 2015, 3:28 am

(Jan 14, 2015 04:22 AM)Dark N3BULA Wrote: [\[CITE\]](#) aahh not quiet mate... i want to split strings to manage file sizes

Can you give an example of what you'll be splitting? I was going to recommend substring too.

Edit: I have to leave for school, I'll reply when I get back.

Hawk HF - January 14, 2015, 3:37 am

(Jan 14, 2015 04:28 AM)Odus Wrote: [\[CITE\]](#) Can you give an example of what you'll be splitting? I was going to recommend substring too.

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OP was attempting to send images from client to server earlier.

<https://hackforums.net/showthread.php?tid=4634884>

I believe the length of the base64 string from the original thread most likely exceeded the character limit and was cut off. Now OP wants to break the image into chunks, convert bytes to base64, and send multiple base64 strings to the server.

Dark N3BULA - January 14, 2015, 4:13 am

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send multiple base64 strings to the server.

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Dark N3BULA - January 14, 2015, 4:15 am

say I have a large text file encoded to base64 with length 110000. If there any way to split the encoded string into two bits with lengths 60000 and 70000

Dialog - January 14, 2015, 5:10 am

(Jan 14, 2015 05:15 AM)Dark N3BULA Wrote: [\[CITE\]](#) say I have a large text file encoded to base64 with length 110000. If there any way to split the encoded string into two bits with lengths 60000 and 70000

<http://pastebin.com/pwTJDngg>

Just call this with `ReadFile("filename.txt", 70000, Encoding.UTF8)`.
Or whatever encoding/buffer length etc you want to use.

Dark N3BULA - January 14, 2015, 5:20 am

(Jan 14, 2015 06:10 AM)Dialog Wrote: [\[CITE\]](#) <http://pastebin.com/pwTJDngg>

Just call this with `ReadFile("filename.txt", 70000, Encoding.UTF8)`.
Or whatever encoding/buffer length etc you want to use.
I found UTF8 a bit dodgy when working with images.

I figured that the following function might work

```
Code Public Function SplitByLength(ByVal text As String, _  
    ByVal length As Integer) As String()
```

```
    ' Argument validation elided
```

```
    Dim strArray As String() = New String((text.Length \ length) - 1) {}
```

```
    Dim i As Integer
```

```
    For i = 0 To text.Length - 1
```

```
        strArray(i) = text.Substring((i * length), length)
```

```
    Next i
```

```
    ' Get last array:
```

```
    ReDim Preserve strArray(i)
```

```
    strArray(i) = text.Substring(i * length)
```

```
    Return strArray
```

```
End Function
```

Still havnt tried it out yet. Thanks for the input regardless ?

Only3 - January 14, 2015, 5:45 am

```
Dim S = "abcdefghi"
Dim A As New ArrayList
For i = 0 To S.Length - 1 Step 3
    A.Add(S.Substring(i, 3))
Next
MsgBox(A(0))
```

Dark N3BULA - January 14, 2015, 5:58 am

(Jan 14, 2015 06:45 AM)Only3 Wrote: [\[CITE\]](#) Dim S = "abcdefghi"
Dim A As New ArrayList
For i = 0 To S.Length - 1 Step 3
 A.Add(S.Substring(i, 3))
Next
MsgBox(A(0))
Could not get either to work.

S.Length is 86000
I put step as 10000

got the exception

System.ArgumentOutOfRangeException was unhandled
HResult=-2146233086
Message=Index and length must refer to a location within the string.

He B TeMy - January 14, 2015, 6:10 am

You put step at 10000 for what reason?

Dark N3BULA - January 14, 2015, 6:59 am

Ok finally worked it out.

```
Code Public Function SplitBySize(ByVal InputString As String, ByVal StringSize As Integer) As
String()
    Dim strA() As String
    Dim StringLength As Integer = InputString.Length()
    Dim iWords As Integer = StringLength / StringSize + If((StringLength Mod StringSize <> 0), 1,
0)
    ReDim strA(iWords)
    Dim j As Integer = 0, i As Integer
    For i = 0 To StringLength Step StringSize
        strA(j) = Mid(InputString, i + 1, StringSize)
        MsgBox(strA(j))
        j = j + 1
    Next i
    Return strA
End Function
This works ?
```