

# Re: XML in a Textbox

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*Source:*

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.languages.vb/2005-07/msg02624.html>

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- *From:* "Adrian" <[Adrian@xxxxxxxxxxxxxxxxxxxxxx](mailto:Adrian@xxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Sat, 23 Jul 2005 18:11:17 +0000 (UTC)
- 

Hi Allan

thanks for the approach and code sample re the 1st and third char not be correct I either don't understand this or its not a problem on the XML I'm looking at...

It work great :)

Thanks

<alantolan@xxxxxxxx> wrote in message  
[news:1122137992.906558.85440@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:1122137992.906558.85440@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

>> I have an xml doc in a string it all just runs to gether no crlf or  
>>indents, I want to lay it out in a textbox so each element is on its  
>>ownline and indented correctly.

>

>

> The following routine creates a string from an XML document with all  
> the formatting characters (crlf, tab et al.) in place.

>

> Good News: It gives a nicely formatted output for my textbox  
> Bad news: There a few strangenesses with it that I haven't tracked down  
> yet and might cause problems (or they might not)

>

>

> The basic idea is to use an XMLTextWriter to write to a MemoryStream  
> and then read the contents of the memStream into a string.

>

>

> Private Function PrettyPrintXML(ByVal xmlDoc As XmlDocument) As  
> String

>

> Dim ret As String = String.Empty

>

> Dim memStream As New MemoryStream

> Dim writer As XmlTextWriter

> Dim reader As StreamReader

>

## Re: XML in a Textbox

```
> Try
>
> writer = New XmlTextWriter(memStream,
> System.Text.Encoding.UTF8)
>
> writer.Formatting = Formatting.Indented
> writer.Indentation = 3
> xmlDoc.WriteTo(writer)
> writer.Flush()
>
> ' NOTE1 : We can't close the writer here as this will close
> the memstream
>
> 'ret =
> System.Text.Encoding.UTF8.GetString(memStream.GetBuffer())
>
> 'NOTE2: This looks like it should work but gives me extra
> characters at the start of the
> ' string. (1st 3 chars of the memstream are not
> obviously part of the XML output.
>
> memStream.Seek(0, SeekOrigin.Begin)
> reader = New StreamReader(memStream)
> ret = reader.ReadToEnd
>
>
> Finally
>
> 'NOTE3: As both the reader and writer are pointing to the
> memstream and both
> ' try to close the memstream when they are
> closed we cannot close both
> ' No idea if this will cause an error or not.
>
> reader.Close()
>
> End Try
>
> Return ret
>
> End Function
>
>
> If anyone can come up with a better way (or tweaks on this code) I
> would be interested.
>
> Thanks
> Alan.
>
```

- **References:**
  - ◆ **[XML in a Textbox](#)**
    - ◇ *From:* Adrian
  - ◆ **[Re: XML in a Textbox](#)**
    - ◇ *From:* Joseph Bittman MCAD
  - ◆ **[Re: XML in a Textbox](#)**
    - ◇ *From:* alantolan
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