

## LINQ - Creazione XML

Scritto da Administrator

Giovedì 05 Luglio 2012 08:24 - Ultimo aggiornamento Giovedì 05 Luglio 2012 08:34

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Creare un file XML con LINQ è una operazione molto semplice:

utilizzando il namespace System.Xml.Linq:

```
XElement xml = new XElement("&quot;contacts&quot;,", new XElement("&quot;
contact&quot;
,
new
XmlAttribute
(
&quot;contactId&quot;
,
&quot;2&quot;
)
,
new
XElement
(
&quot;firstName&quot;
,
&quot;Barry&quot;
)
,
new
XElement
(
&quot;lastName&quot;
,
&quot;Gottshall&quot;
)
)
,
new
XElement
(
&quot;contact&quot;
,
```

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[new](#)

XAttribute

```
(  
&quot;contactId&quot;  
,  
&quot;3&quot;  
)
```

[new](#)

XElement

```
(  
&quot;firstName&quot;  
,  
&quot;Armando&quot;  
)
```

[new](#)

XElement

```
(  
&quot;lastName&quot;  
,  
&quot;Valdes&quot;  
)
```

```
)
```

```
)
```

```
; Console.
```

```
WriteLine
```

```
(  
xml  
)
```

```
; Il risultato è:
```

```
<contacts
```

```
>
```

```
<contact
```

```
contactId
```

```
=
```

```
&quot;2&quot;
```

```
>
```

```
<firstName
```

```
>
```

```
Barry
```

```
</firstName
```

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```
>
<lastName
>
Gottshall
</lastName
>

</contact
>

<contact
contactId
=
'3';
>

<firstName
>
Armando
</firstName
>

<lastName
>
Valdes
</lastName
>

</contact
>

</contacts
>
```

un esempio estremamente completo è il seguente:

```
XDocument doc = new XDocument(
    new XDeclaration("&quot;1.0&quot;;",
    "&quot;utf-8&quot;;", "&quot;yes&quot;"),
    new XComment("&quot;Sample RSS Feed&quot;"),
    new XElement("&quot;rss&quot;",
        new XAttribute("&quot;version&quot;", "&quot;2.0&quot;"),
        new XElement("&quot;channel&quot;",
            new XElement("&quot;title&quot;", "&quot;RSS
Channel Title&quot;"),
            new XElement("&quot;description&quot;", "&quot;RSS Channel
Description.&quot;"),
            new XElement("&quot;link&quot;",
                "&quot;http://aspiring-technology.com&quot;"),
            new XElement("&quot;item&quot;,"
```

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```
new XElement(&quot;title&quot;, &quot;First article title&quot;),          new
XElement(&quot;description&quot;, &quot;First Article Description&quot;),          new
XElement(&quot;pubDate&quot;, DateTime.Now.ToUniversalTime()),          new
XElement(&quot;guid&quot;, Guid.NewGuid()),          new XElement(&quot;item&quot;,
    new XElement(&quot;title&quot;, &quot;Second article title&quot;),          new
XElement(&quot;description&quot;, &quot;Second Article Description&quot;),          new
XElement(&quot;pubDate&quot;, DateTime.Now.ToUniversalTime()),          new
XElement(&quot;guid&quot;, Guid.NewGuid()))          )          );
doc.Save(@&quot;c:sample.xml&quot;);    file: <?xml version=&quot;1.0&quot;
encoding=&quot;utf-8&quot; standalone=&quot;yes&quot;?> <rss version=&quot;2.0&quot;>
<channel>    <title>RSS Channel Title</title>    <description>RSS Channel
Description.</description>    <link>http://aspiring-technology.com</link>    <item>
<title>First article title</title>    <description>First Article Description</description>
<pubDate>2006-12-05T20:53:53.53125</pubDate>
<guid>ff7bbf19-9155-4773-913c-767bcbf09904</guid>    </item>    <item>    <title>Second
article title</title>    <description>Second Article Description</description>
<pubDate>2006-12-05T20:53:53.5625</pubDate>
<guid>8a3fd5e8-b99f-49fe-8a43-7fb62d80c18c</guid>    </item>    </channel> </rss>
```