

# XML via JavaScript }

*Outputting XML via JavaScript*

# JavaScript

```
function loadxml(){  
  
    if(window.XMLHttpRequest){  
        xhttp= new XMLHttpRequest()  
    }else{  
        xhttp=new ActiveXObject("Microsoft.XMLHTTP")  
    }  
  
    xhttp.open("GET", "songs.xml", false);  
    xhttp.send("");  
    xmlDoc=xhttp.responseXML;  
  
    var message=xmlDoc.getElementsByTagName("name")  
[0].childNodes[0].nodeValue;  
  
    document.getElementById('content').innerHTML=message;  
  
}
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    document.getElementById("c")  
  
}
```

**Checking for  
browser specific  
functionality.**

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**Microsoft uses a different object to load xml.**

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**No matter the browser the xml loading object is stored in xhttp.**

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**This section...**

# JavaScript

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**... loads the xml ...**

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**... and stores the  
entire xml document  
as xmlDoc.**

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**A variable named message is storing a specific request. Similar to a query.**

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```

**This path drills down to the value of the name element in the xml document.**

# XML Document

```
<?xml version="1.0" encoding="utf-8"?>
<songs>
  <song id="1" length="3:18">
    <name>Single Ladies</name>
    <artist>Beyonce Noles</artist>
  </song>
  <song id="2" length="3:08">
    <name>I saw the Sign</name>
    <artist>Ace of Base</artist>
  </song>
</songs>
```

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```

**Lets take a close  
look at this path.**

# JavaScript

```
xmlDoc.getElementsByTagName("name")[0].childNodes[0].nodeValue;
```

# JavaScript

**xmlDoc refers  
to the loaded  
xml document.**

```
xmlDoc.getElementsByTagName("name")[0].childNodes[0].nodeValue;
```

# JavaScript

**getElementByTagName**  
refers to the xml  
element that is targeted.

```
xmlDoc.getElementsByTagName("name")[0].childNodes[0].nodeValue;
```

# JavaScript

**The zero [0] refers to the very first time the name element appears in the xmlDoc.**

```
xmlDoc.getElementsByTagName("name")[0].childNodes[0].nodeValue;
```

# JavaScript

**This is a fancy way to target the type inside of the name element.**

```
xmlDoc.getElementsByTagName( "name" ) [ 0 ] .childNodes [ 0 ] .nodeValue;
```

# JavaScript

**The zero [0] would only be important if we had nested, or repeating elements.**

```
xmlDoc.getElementsByTagName( "name" ) [ 0 ] .childNodes [ 0 ] .nodeValue;
```

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**This outputs the xml content into a div called content.**

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```

**All you have to do is  
call loadxml() and  
you're in business.**