

# XML Parser

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All major browsers have a built-in XML parser to access and manipulate XML.

## XML Parser

The XML DOM (Document Object Model) defines the properties and methods for accessing and editing XML.

However, before an XML document can be accessed, it must be loaded into an XML DOM object.

All modern browsers have a built-in XML parser that can convert text into an XML DOM object.

## Parsing a Text String

This example parses a text string into an XML DOM object, and extracts the info from it with JavaScript:

### Example

```
<html>
<body>

<p id="demo"></p>
```

```
"<title>Everyday Italian</title>" +  
"<author>Giada De Laurentiis</author>" +  
"<year>2005</year>" +  
"</book></bookstore>";  
  
parser = new DOMParser();  
xmlDoc = parser.parseFromString(text, "text/xml");  
  
document.getElementById("demo").innerHTML =  
xmlDoc.getElementsByTagName("title")[0].childNodes[0].nodeValue;  
</script>  
  
</body>  
</html>
```

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## Example Explained

A text string is defined:

```
<author>Julius DE LAURENTIIS</author> <
"<year>2005</year>" +
"</book></bookstore>";
```

An XML DOM parser is created:

```
parser = new DOMParser();
```

The parser creates a new XML DOM object using the text string:

```
xmlDoc = parser.parseFromString(text, "text/xml");
```

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## The XMLHttpRequest Object

The XMLHttpRequest Object has a built in XML Parser.

The **responseText** property returns the response as a string.

The **responseXML** property returns the response as an XML DOM object.

If you want to use the response as an XML DOM object, you can use the responseXML property.

### Example

Request the file cd\_catalog.xml and use the response as an XML DOM object:

```
xmlDoc = xmlhttp.responseXML;
txt = "";
x = xmlDoc.getElementsByTagName("ARTIST");
for (i = 0; i < x.length; i++) {
    txt += x[i].childNodes[0].nodeValue + "<br>";
```



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