

[Slide 15.7: AJAX server response](#)[Slide 15.9: AJAX Using a callback function](#)[Home](#)

# AJAX the onreadystatechange Event

## The onreadystatechange Event

When a request to a server is sent, we want to perform some actions based on the response. The onreadystatechange event is triggered every time the readyState changes. The readyState property holds the status of the XMLHttpRequest. Three important properties of the XMLHttpRequest object:

Property	Description
onreadystatechange	Stores a function (or the name of a function) to be called automatically each time the readyState property changes.
readyState	Holds the status of the XMLHttpRequest. Changes from 0 to 4: <ul style="list-style-type: none"><li>• 0: Request not initialized</li><li>• 1: Server connection established</li><li>• 2: Request received</li><li>• 3: Processing request</li><li>• 4: Request finished and response is ready</li></ul>
status	<ul style="list-style-type: none"><li>• 200: "OK"</li><li>• 400: Page not found</li></ul>

Let AJAX change this text.

Change Content

In the onreadystatechange event, we specify what will happen when the server response is ready to be processed. When readyState is 4 and status is 200, the response is ready. The onreadystatechange event is triggered four times, one time for each change in readyState.

```
01 <script type="text/javascript">
02   function loadXMLDoc( ) {
03     var xmlhttp;
```

```
04  if ( window.XMLHttpRequest ) {
05      // code for IE7+, Firefox, Chrome, Opera, Safari
06      xmlhttp = new XMLHttpRequest( );
07  }
08  else {
09      // code for IE6, IE5
10      xmlhttp = new ActiveXObject( "Microsoft.XMLHTTP" );
11  }
12  xmlhttp.onreadystatechange = function( ) {
13      if ( ( xmlhttp.readyState == 4 ) &&
14          ( xmlhttp.status      == 200 ) ) {
15          document.getElementById("myDiv").innerHTML =
16              xmlhttp.responseText;
17      }
18  }
19  xmlhttp.open( "GET", "ajax_info.txt", true );
20  xmlhttp.send( );
21  }
22  </script>
```

Slide 15.7: AJAX server response

Slide 15.9: AJAX Using a callback function

[Home](#)

