



HTTP Pull - Polling With AJAX

In this lesson, we will cover HTTP PULL, AJAX and how polling is done using AJAX.

We'll cover the following



- AJAX – Asynchronous JavaScript and XML

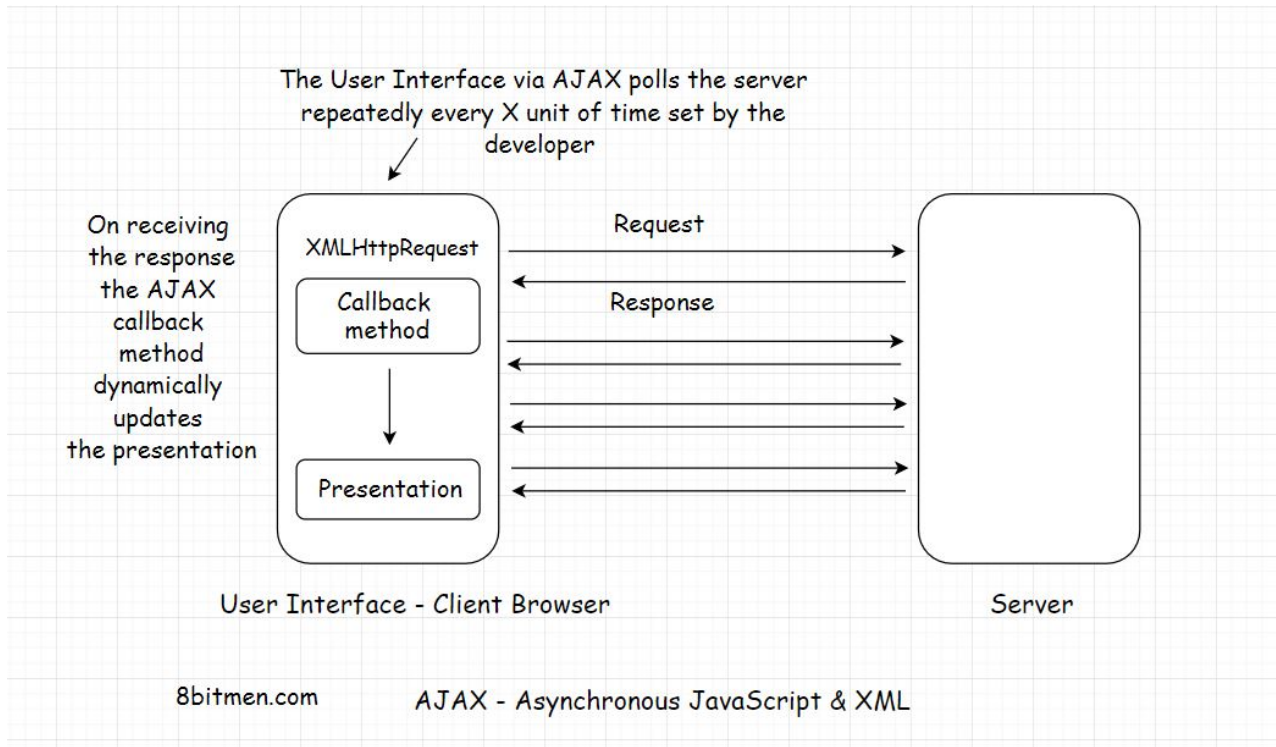
There are two ways of pulling/fetching data from the server.

The first is sending an *HTTP GET* request to the server manually by triggering an event by clicking a button or any other element on the web page.

The other is fetching data dynamically at regular intervals by using *AJAX* without any human intervention.

AJAX – Asynchronous JavaScript and XML#

AJAX stands for asynchronous *JavaScript* and *XML*. The name says it all. *AJAX* is used for adding asynchronous behavior to the web page.



As you can see in the illustration above, instead of requesting the data manually every time with the click of a button. AJAX enables us to fetch the updated data from the server by automatically sending the requests over and over at stipulated intervals.

Upon receiving the updates, a particular section of the web page is updated dynamically by the *callback* method. We see this behavior all the time on news and sports websites, where the updated event information is dynamically displayed on the page without needing to reload it.

AJAX uses an *XMLHttpRequest* object for sending the requests to the server which is built-in the browser and uses JavaScript to update the *HTML DOM*.

AJAX is commonly used with the *jQuery* framework to implement the asynchronous behavior on the UI.

This dynamic technique of requesting information from the server after regular intervals is known as *polling*.

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HTTP Push



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