

### What should marketing agencies look for in a white label website builder?

The most important thing to look for in a white label website builder is the breadth of white label capabilities offered. You want to work with a site builder that allows you to d... (Continue reading in feed)

#### 16 Answers



# Chandrashekhar Singh, 3 year exp in UI Development.



HTTP Protocol stands for Hyper Text Transfer Protocol is also appliction layer protocol for the WWW. It is the protocol used to convey information of World Wide Web (WWW).HTTP protocol is a stateless and connectionless protocol. HTTP is called as a stateless protocol because each command is request is executed independently, without any knowledge of the requests that were executed before it. It is the protocol used for the web. It is based on a request/response paradigm. In this protocol the communication generally takes place over a TCP/IP protocol.

A stateless protocol does not require the server to retain information or status about each user for the duration of multiple requests.

But some web applications may have to track the user's progress from page to page, for example when a web server is required to customize the content of a web page for a user. Solutions for these cases include:

- the use of HTTP cookies.
- · server side sessions,
- hidden variables (when the current page contains a form), and
- URL-rewriting using URI-encoded parameters, e.g., /index.php? session\_id=some\_unique\_session\_code.

What makes the protocol stateless is that the server is not required to track state over multiple requests, not that it cannot do so if it wants to. This simplifies the contract between client and server, and in many cases minimizes the amount of data that needs to be transferred.and the Internet is a stateless development environment" is often used. This simply means that the HTTP that is the backbone of the Web is unable to retain a memory of the identity of each client that connects to a Web site and therefore treats each request for a Web page as a unique and independent connection, with no relationship whatsoever to the connections that preceded it.

# HTTP Request Methods:

- 1) GET Method: The Get method is used to getting the data from the server. Get method appends the parameters passed as query string to a URL, in the form of key-value pairs. for example, if a parameter is name = Williams, then this string will be appended in the URL. By default the method is Get.
- 2) POST Method: The post method is used for sending data to the server. In post method the query string is appended along the request object, they do not get appended in the URL, so parameters transfer in hidden form.

#### **Related Questions**

Why is HTTP stateless?

What is the difference between stateful and stateless protocol?

If http protocol is stateless how does it manage the state?

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Why was HTTP (stateless) built on top of a stateful protocol (TCP)?

What does it mean that 'HTTP is stateless'?

How do we change a stateless HTTP protocol to a stateful HTTP protocol?

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These three are commonly used methods of jsp while Get and Post methods are most widely used. There are more methods of http protocols which are rarely used by they have been given here for your knowledge.

- 4) TRACE Method: Trace on the jsp resource returns the content of the resource. Asks for a loopback of the request message, so that the use can see what is being recieved on the other side.
- 5) DELETE Method: It is used for delete the resources, files at the requested URL
- 6) OPTIONS Method: It lists the Http methods to which the thing at the requested URL can respond.
- 7) PUT Method: It put the enclosed information at the requestedURL
- 8) CONNECT Method: It connects for the purpose of tunneling.





Promoted by Abdullah Omar Nasif

**Q** 

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James Lloyd, works at The SSL Store™



Some of the reasons for HTTP to be called stateless protocol are:

- HTTP has HTTP Cookies, which allow server to track the user state, number of connections, last connection, etc.
- It has persistent connections & several requests can be send through same TCP
- Multiple requests can be sent through same HTTP connection & server does not offer any special meaning to their arriving over the same socket. Through performance wise, it is intended to minimize the time/bandwidth that'd otherwise be spent reestablishing a connection for every request.

HTTP is stateless protocol, which means once the transaction ends the connection between the browser and the server is also lost.

If HTTP gets State full protocol it won't be futile. Browser uses single connection to communicate with web server for several requests given to web application, which gives chance to browser window to engage the connections between browser window and web servers to keep them in idle state for very long time. This could result in reaching to maximum connections of web server even though most of the connections in clients are idle.

12.2K views · View 9 upvotes · Answer requested by Sathish Kumar



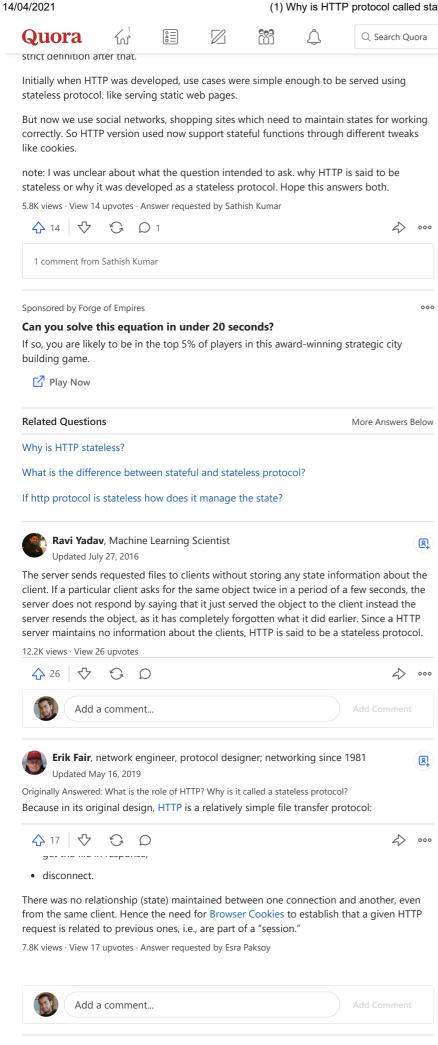


Nagendra Gupta, Had a course called Computer Networks

Answered April 24, 2018

Originally Answered: Why is HTTP a stateless protocol?

Because the server does not need to store information about any previous conversation for answering a future request. In somewhat technical terms, server does not need to maintain state of any conversation for its working.



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HTTP → **Hypertext Transfer Protocol**. It is an application protocol for collaborative and distributed systems. This protocol defines how messages are formatted and transmitted. It is an underlying protocol implemented by the **World Wide Web**. It also defines what actions browsers and web servers should take in response to different commands. *HTTP protocol is also known as a stateless protocol. The reason is each command is executed independently. This is the main reason that each it is intimidating to implement websites that react perspicaciously to the user input.* 

688 views



Because HTTP does not maintain any sessions. Each request from a user for a Web page or URL results in the requested pages being served, but without the Web (**HTTP**) server remembering the request later. In other words, there is no recorded continuity. Hence the HTTP uses cookie to change it to a **Stateful** protocol.

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Answered September 26, 2016

**HTTP** is a stateless protocol, in other word the server will forget everything related to client/browser state. Because a stateless protocol does not require the server to retain session information or status about each communications partner for the duration of multiple requests. HTTP is a stateless protocol, which means that the connection between the browser and the server is lost once the transaction ends.

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Originally Answered: Are HTTP post requests considered as stateless? If so, why?

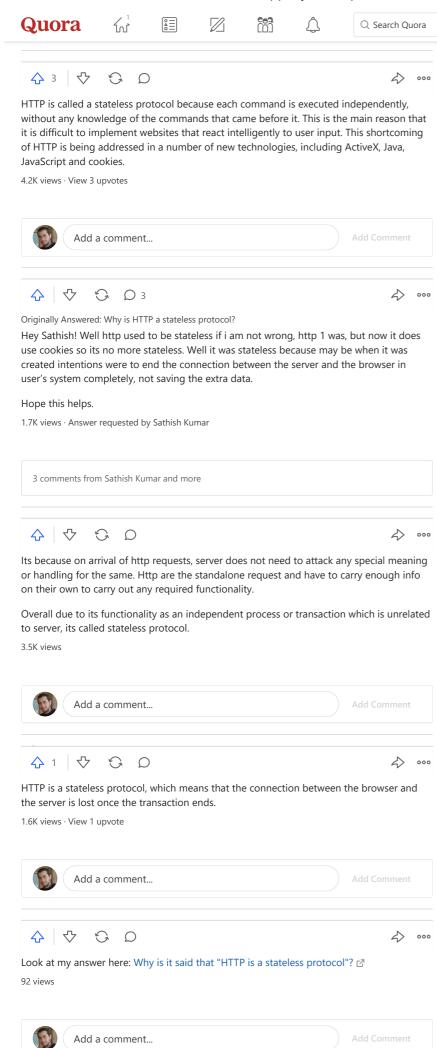
You can use any type of HTTP request in a stateless manner, including POST. What makes it stateless, though, is how you handle the request on your server. If you have to use a session on the server, then it isn't stateless. If instead you pass all of the information you need for processing in the HTTP request, then it is stateless.

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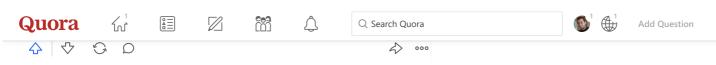
http protocol does not maintain any information regarding the states of the browser or user. So it is called as a stateless protocol. That is the protocol cant remember what u did in your last web session. But this is over come using cookies, which maintain states of the users to remember their previous activity.

2.6K views · View 6 upvotes



https://www.quora.com/Why-is-HTTP-protocol-called-stateless-protocol

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The normal way that HTTP (used to) work is connect, request file, disconnect.

I invented web sessions so that you could have continuity between web pages.

Brief History of Web Sessions (95/96) ☑

304 views



3 Answers Collapsed (Why?)

### **Related Questions**

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What does it mean that 'HTTP is stateless'?

How do we change a stateless HTTP protocol to a stateful HTTP protocol?

What are the advantages of stateless protocol?

How do I get over the stateless nature of HTTP protocols?

Why is a stateless protocol called a connection-oriented protocol?

What are some examples of the stateless and stateful protocol (Ex: HTTP and HTTPS)? I know the difference, but I can't image some examples.

In an HTTP stateless protocol, what tool do we need in order to make it possible for it to maintain state?

What is the difference between HTTP protocol and TCP protocol?

What is the function of the HTTP?

Why is HTTP called a connection-oriented protocol?

What is the relationship between cookies and HTTPs stateless protocol?