



# WHAT EXACTLY ARE HTTP COOKIES?



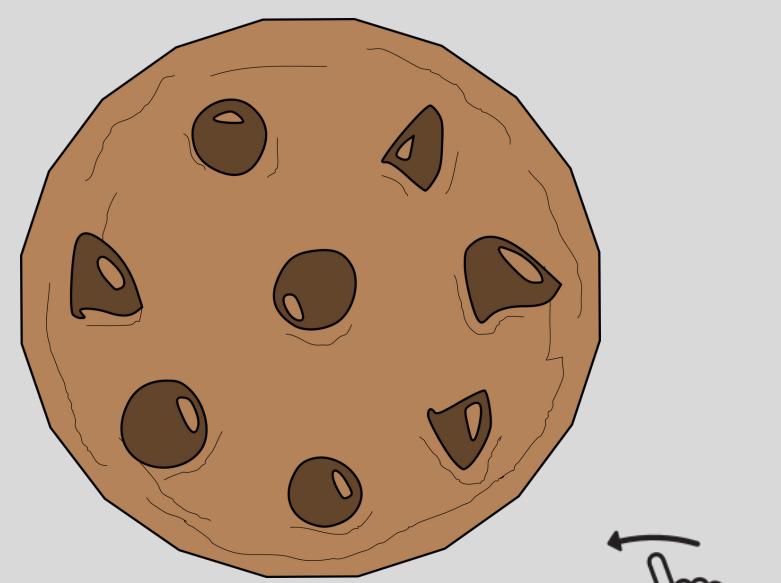
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# HTTP Cookies

Every day, 4 billion individuals use the internet actively and engage with HTTP cookies in one way or another. HTTP cookies provide you with a simplified and tailored online experience in many ways, however for some people, these features are frequently disregarded or misinterpreted.

HTTP cookies enable web developers to make use of website visits more convenient and tailored, independent of the user end. Along with the advantages that HTTP cookies provide, security issues should also be taken into account.

Many people are concerned about the privacy and security of their personal information, a topic that has gained more attention in recent years.



# HTTP Cookies UseCases

**1. User Activity Tracking :** Tracking keeps track of and examines people's online surfing patterns and determines how many and what kind of pages they visit. The duration spent on each page and the order of the pages throughout a session are among the details.

Users should be aware of the dangers of accessing unsecured web pages due to the sensitive information underlying tracking.



# HTTP Cookies UseCases

**2. User personalization:** When a user logs in or launches an application, user customization saves their preferences and settings for later use. In order to enable users to quickly return to their chosen settings from their first program interaction, preferences are saved and synced with a central database.



# HTTP Cookies UseCases

**3. Session control:** What I mean is this. You may already add things to your shopping basket on numerous online retail websites without checking in or creating an account.

Your shopping basket information remains visible if you leave the website and return it. Since you aren't even logged in, it is evident that these facts are not coming from the database.

What precisely is going on inside, then?

Those details are, in fact, momentarily saved on the server with the aid of sessions. This procedure is made possible by cookies.

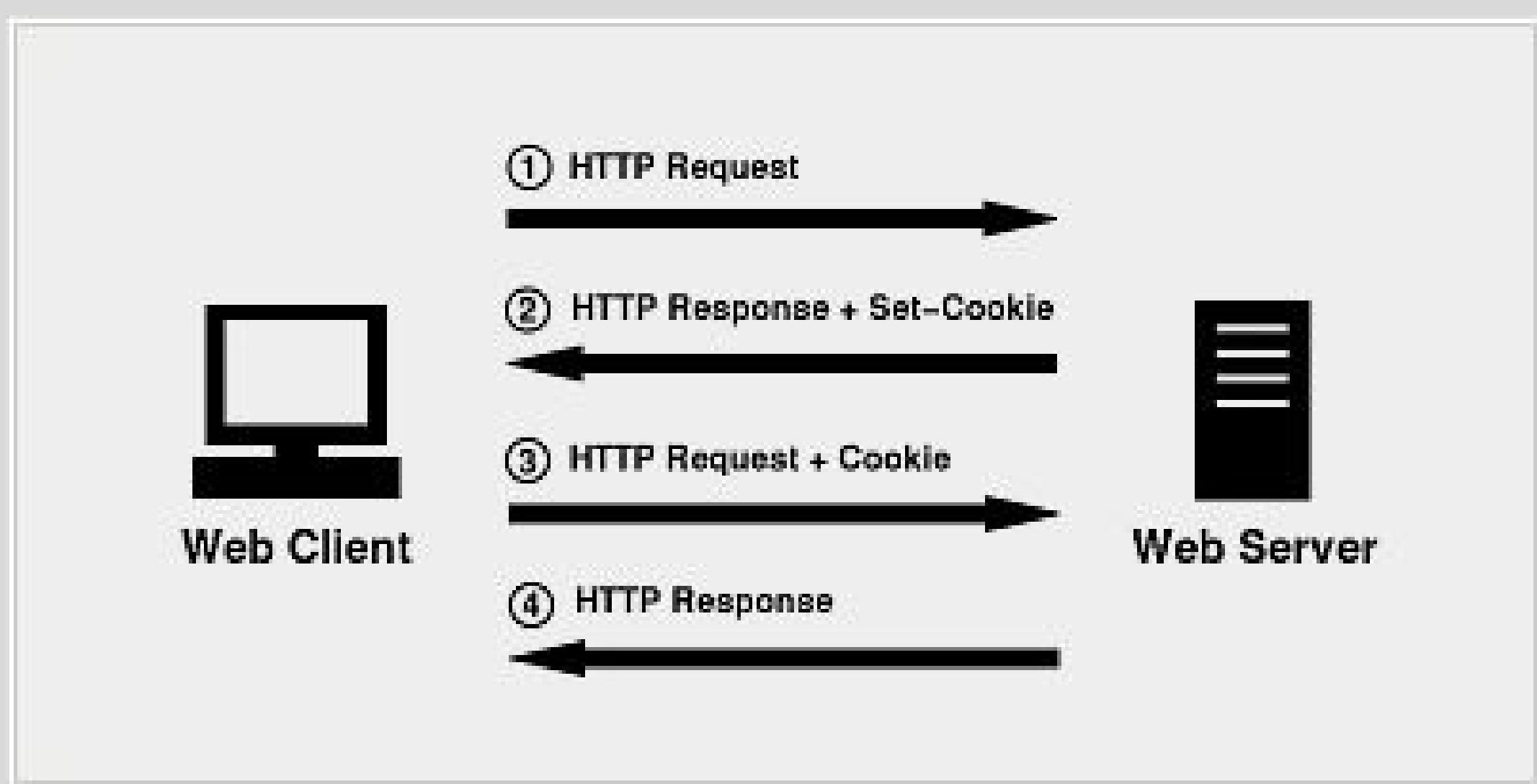


# Create HTTP cookies

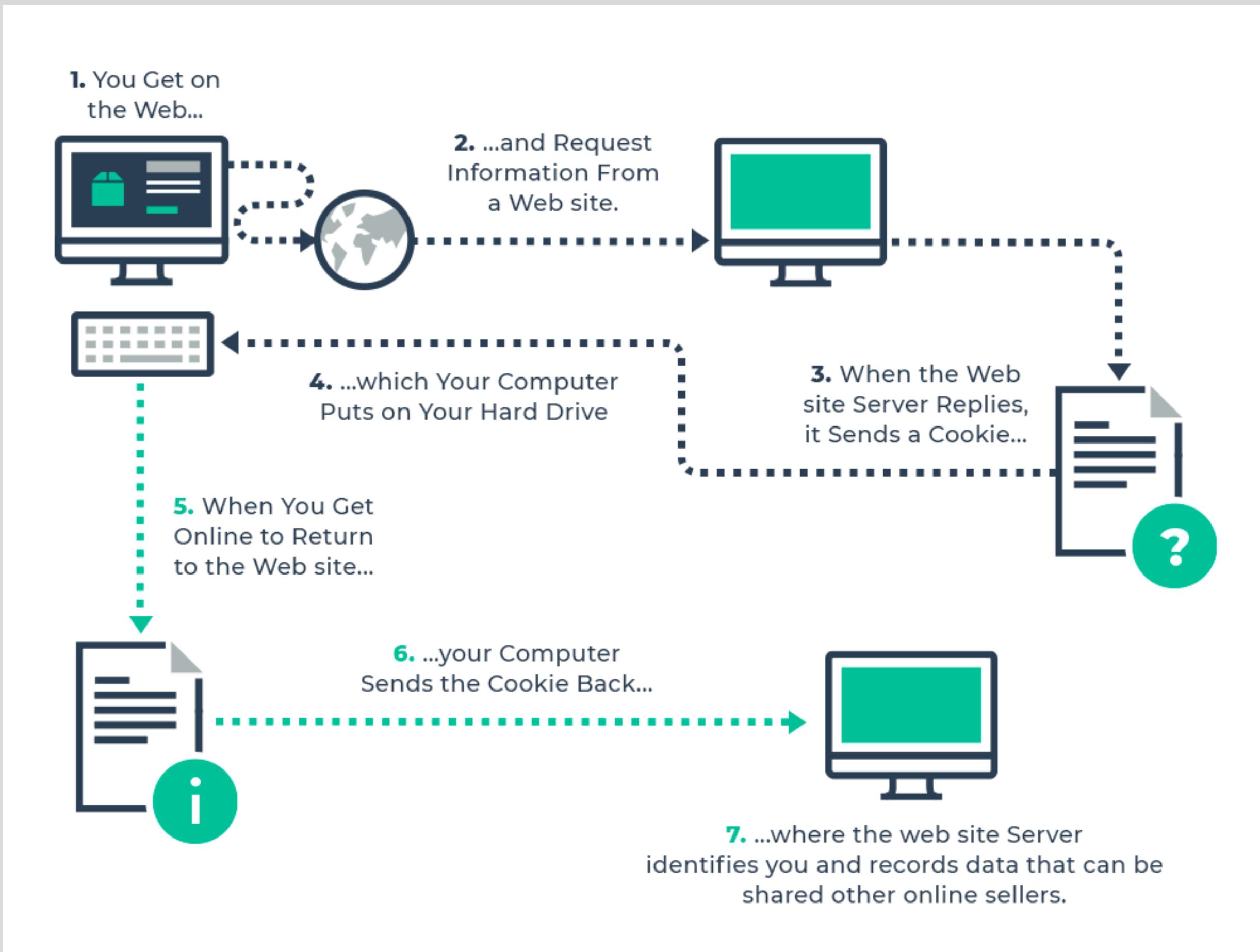
HTTP cookies can be created in two different methods. You may enter JavaScript code to put the cookie into the console of any browser you visit, whether it be Google Chrome or Mozilla Firefox.

The web server might also send one or more set-cookie headers as an alternative.

- 1.Client Side
- 2.Server Side



# High Level Architecture

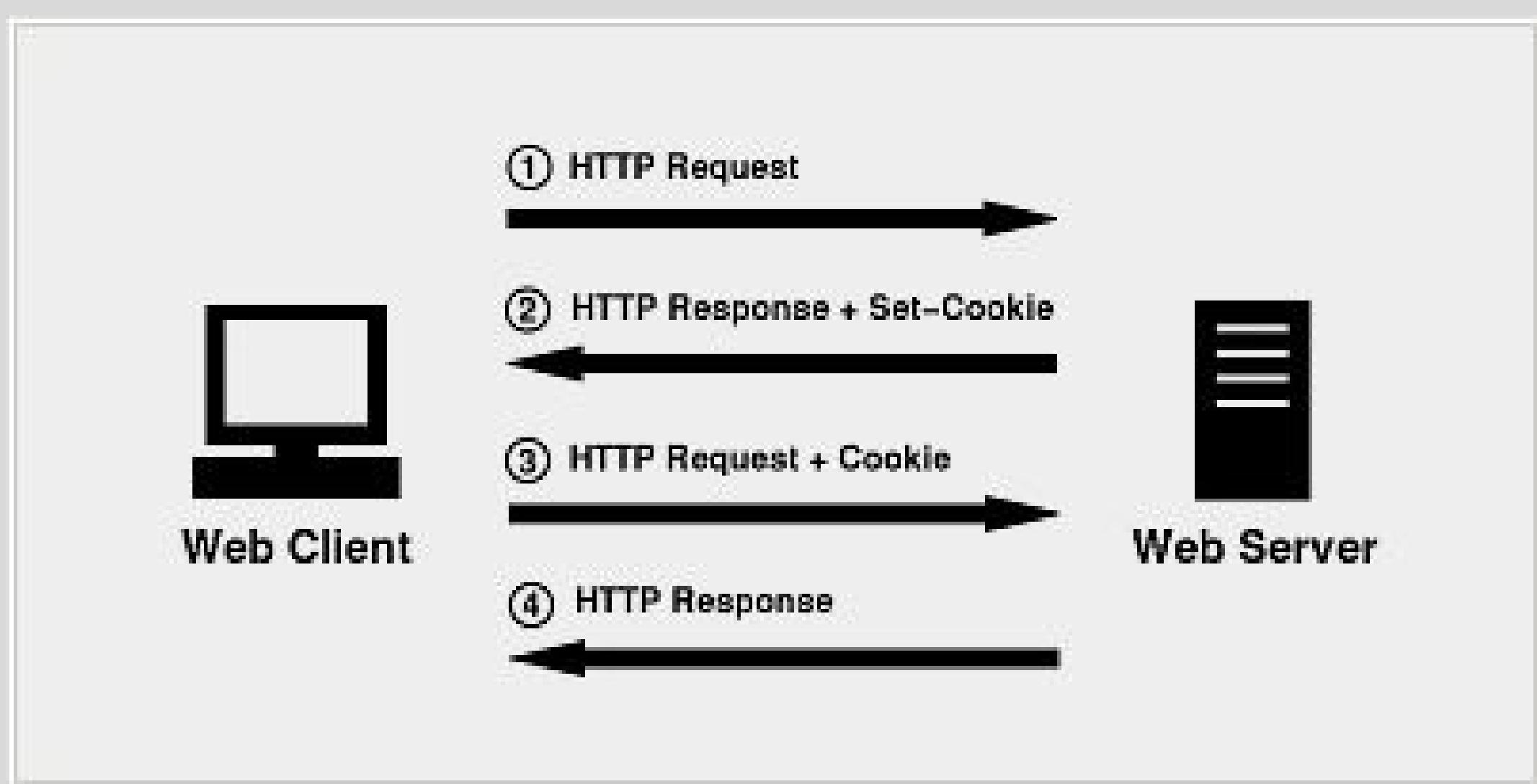


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# HTTP Cookie Properties

1. Cookie Scope

2. Path

3. Domain

# HTTP Cookie Types

1. Session Cookies

2. First Party Cookies

3. Third Party Cookies

4. Secure Cookies

5. Zombie Cookies

6. HttpOnly Cookies



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