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Introduction to Restful-APIs

Http Request Object

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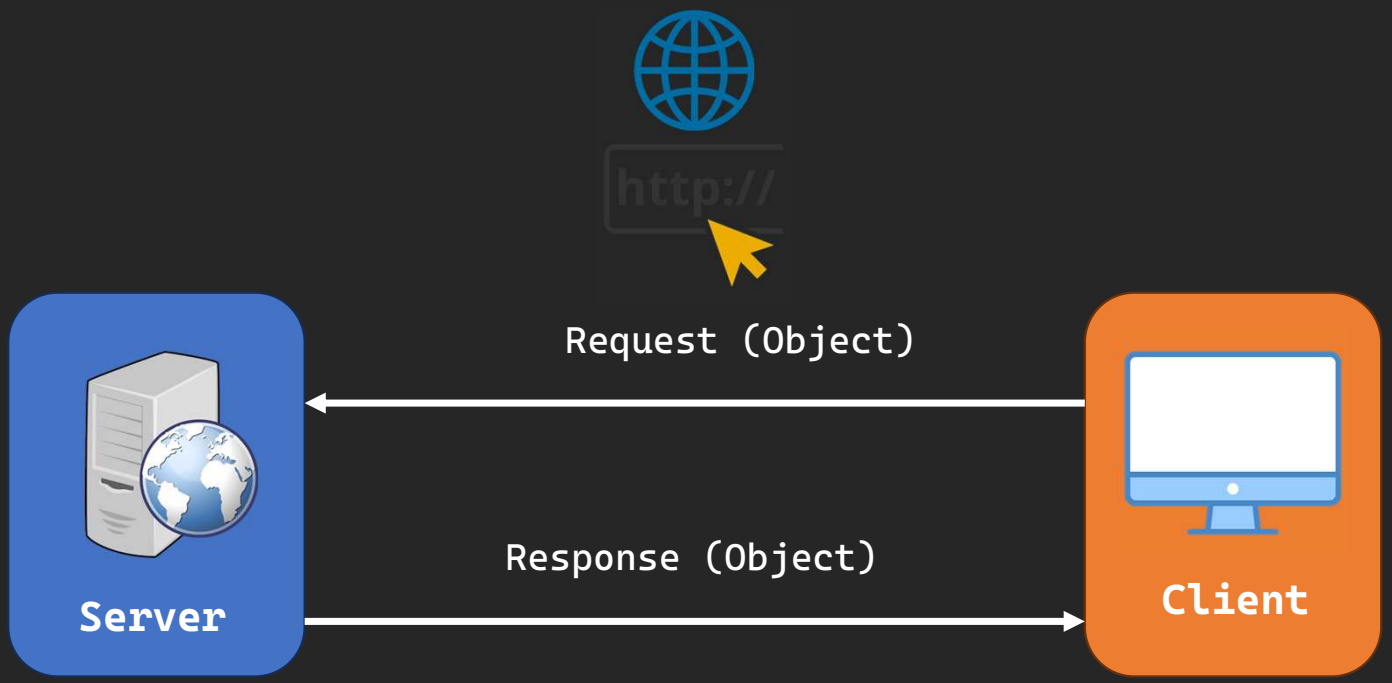

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Request/Response Objects

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Http Request Object:

- The request object in HTTP is a key component that represents the data sent by the client to the server.
- It contains various parts and pieces of information that help the server understand what the client is asking for and how to process the request.

Here’s an overview breakdown of the components of an HTTP request object:

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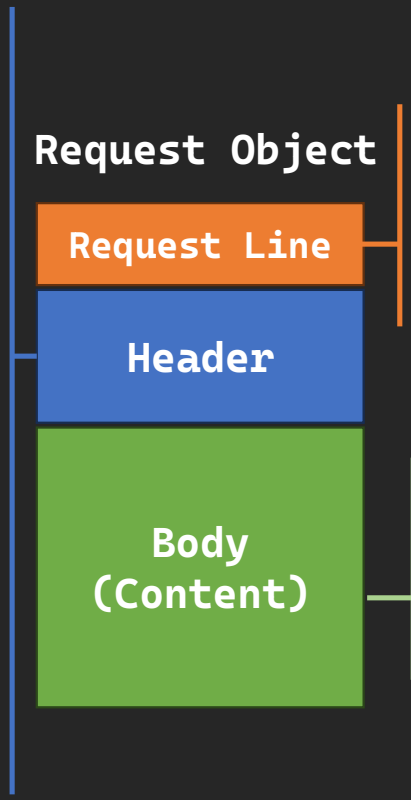
Http Request Object:

Headers provide metadata about the request. They are key-value pairs and can include a wide range of information.

- Host: Specifies the domain name of the server.
- User-Agent: Contains information about the client software.
- Accept: Indicates the media types the client can process.
- Content-Type: Format, Specifies the media type of the request body.
- Authorization: Contains credentials for authenticating the client.
- Content Length.
- Cookie: Sends stored cookies from the client to the server.
- Cache-Control: Directives for caching mechanisms in both requests and responses.



- Method: The HTTP method (e.g., GET, POST, PUT, DELETE) indicating the desired action.
- URL: The Uniform Resource Locator specifying the resource to be fetched or manipulated.
- HTTP Version: The version of the HTTP protocol being used (e.g., HTTP/1.1).

The body of the request contains the data being sent to the server. This is typically used with methods like POST, PUT, and PATCH.

The format of the body can vary (e.g., JSON, XML, form data).

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