

Part HTTP Request

Because HTTP is a stateless protocol, each request from a client to a server must contain all of the information required by the server to process the request. This data is typically transmitted in the form of an HTTP request message.

A message header and an optional message body comprise an HTTP request message. The message header contains request-specific information such as the HTTP verb, the url, and the HTTP version number. Any additional information that the client wishes to send to the server can be included in the message body.

The request line is the first line of the message header. The HTTP verb, URI, and HTTP version number are all included in the request line.

A number of optional request headers follow the request line. Request headers are used to provide extra information about the request, such as the client's user agent, the request body's content type, and the Accept header, which tells the server what types of responses the client is willing to accept.

The message header is separated from the message body by a blank line. Any additional information that the client wishes to send to the server can be included in the message body.