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# **HTTP** examples

This reading explores the contents of HTTP requests and responses in more depth.

### **Request Line**

Every HTTP request begins with the request line.

This consists of the HTTP method, the requested resource and the HTTP protocol version.

GET /home.html HTTP/1.1

In this example, GET is the HTTP method, /home.html is the resource requested and HTTP 1.1 is the protocol

### **HTTP Methods**

HTTP methods indicate the action that the client wishes to perform on the web server resource.

Common HTTP methods are:

HTTP Method	Description
GET	The client requests a resource on the web server.
POST	The client submits data to a resource on the web server.
PUT	The client replaces a resource on the web server.
DELETE	The client deletes a resource on the web server.
PATCH	The client partially updates a resource on the web server.

# **HTTP Request Headers**

After the request line, the HTTP headers are followed by a line break.

There are various possibilities when including an HTTP header in the HTTP request. A header is a case-insensiti name followed by a: and then followed by a value.

Common headers are:

- 1 Host: example.com
- 2 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.9; rv:50.0) Gecko/20100101 Firefox/50.0
- 3 Accept: \*/\*
- 4 Accept-Language: en
- 5 Content-type: text/json
- The **Host** header specifies the host of the server and indicates where the resource is requested from.
- The **User-Agent** header informs the web server of the application that is making the request. It often includes the operating system (Windows, Mac, Linux), version and application vendor.
- The **Accept** header informs the web server what type of content the client will accept as the response.
- The Accept-Language header indicates the language and optionally the locale that the client prefers.
- The **Content-type** header indicates the type of content being transmitted in the request body.

# **HTTP Request Body**

HTTP requests can optionally include a request body. A request body is often included when using the HTTP PC and PUT methods to transmit data.

1 POST /users HTTP/1.1