

Web v1	
No Authentication	
No encryption	
Sessionless	

HTTP/0.9	
RFC	none
Method Supported	GET
Virtual Host Support	none
Responses	HTML only
1 GET = 1 TCP connection	

HTTP/1.0	
RFC	1945
Methods Supported	GET, HEAD, POST, PUT, DELETE
Responses	HTML, non-HTML (text, binary, images)
Virtual Host Support	none
Released in May '96, first formal HTTP standard. Formalized the misspelling of "referrer".	

HTTP/1.1	
RFC	2616, later replaced by 7230-7235
Methods Supported	GET, HEAD, POST, PUT, DELETE, OPTION
Virtual Host Support	Yes
Enabled persistent connections. Host header is mandatory.	

HTTP/2	
Binary Protocol	Improved compression
Push Promise	Web server sends content without request
Multiplexed	Requests and responses can be received in parallel
HPACK (RFC 7541)	Header compression
Encryption	Not required by default
Primary focus is faster performance.	

Example HTTP 1.1 Request	
<pre>GET /search HTTP/1.1 Accept: / Accept-Language: en-us User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; Trident/7.0; rv:11.0) like Gecko Host: www.google.com Proxy-Connection: Keep-Alive Cookies: SESSIONID=c953ef69-78d4525b35620e9f70234aa9; ANSWER=42; Content-Length: 0</pre>	
<p>This is a GET request.</p> <p>The user agent string identifies the type of client software and summarizes its capabilities.</p> <p>The cookie provides one or more state variables previously set by a server on this client.</p> <p>The payload of this request has no content. Keep in mind the header ends with a blank line.</p>	

Example HTTP 1.1 Response	
<pre>HTTP/1.1 200 OK Content-Type: text/html; charset=UTF-8 Server: Apache/2.4.7 (Ubuntu) Date: Tue, 24 Oct 2017 15:51:10 GMT Content-Length: 6243</pre>	
<p>The status code is the result of the request.</p> <p>Server token is the string returned by the web server identifying itself.</p> <p>Server Time is the time stamp based on the server's time and date.</p> <p>Content Length is the length of the response. The header ends with a blank line.</p>	

User-Agent	
Mozilla/5.0	Compliant with historical standards
Trident/7.0	rv:11.0 Internet Explorer 11.0
Windows NT 10	Windows 10
Windows NT 6.3	Windows 8.1/2012R2
Windows NT 6.2	Windows 8/2012
Windows NT 6.1	Windows 7/2008R2
Windows 6.0	Vista/2008
Web clients, often browsers.	



By **binca**
cheatography.com/binca/

Not published yet.
 Last updated 9th November, 2017.
 Page 1 of 2.

Sponsored by **ApolloPad.com**
 Everyone has a novel in them. Finish Yours!
<https://apollopad.com>

Uniform Resource Identifier (URI)

Made of various pieces in the following order:

- Protocol
- username:password (blocked by modern web browsers)
- Host and domain name
- Port defaults
- Actual resource on that server
- Question mark

Often used interchangeably with URL

Query String Formats

Typical format	index.php?id=42-&name=Beeblebrox
----------------	----------------------------------

Apache's mod_rewrite module	index.php/id/42/name/Beeblebrox
-----------------------------	---------------------------------

Data parsed by server-side code	index.php/id=42-\$name=Beeblebrox
---------------------------------	-----------------------------------

Data used by an app executed using a system call in the web app	index.php?param=id:42¶m=name:Beeblebrox
---	---

Used to pass data via URL request, they are determined by the web application developer and/or the production environment running the application.



By **binca**
cheatography.com/binca/

Not published yet.
Last updated 9th November, 2017.
Page 2 of 2.

Sponsored by **ApolloPad.com**
Everyone has a novel in them. Finish Yours!
<https://apollopad.com>