**SOAP HTTP Request Headers**

* Accept-Encoding: gzip,deflate
  + What type of encodings will be accepted
* Content-Type: text/xml;charset=UTF-8
  + The content type that will be accepted
* SOAPAction: <http://www.webservicex.net/GetGeoIP>
  + The SOAP action to be performed
* Content-Length: 317
  + How long the content of the request is (in decimal number of OCTETs).
* Host: [www.webservicex.net](http://www.webservicex.net)
  + The name of the host server for the request
* Connection: Keep-Alive
  + Allows the sender to specify options that are desired for that particular connection. In this case use a persistent http connection.
* User-Agent: Apache-HttpClient/4.3.1 (java 1.5)
  + Information about the user agent originating the request. This is used for statistical purposes, tracing protocol violations, and automated recognition of user agents.

**SOAP HTTP Response Headers**

* Cache-Control private, max-age=0
  + Used to specify directives that must be obeyed by all caching mechanisms along the request/response chain.
  + private 🡪 intermediary caches should not cache
  + max-age=0 🡪 response is aged immediately and should revalidate the response
* Server Microsoft-IIS/7.0
  + Information about the software used by the origin server to the handle the request.
  + Microsoft-IIS/7.0🡪 A Microsoft server
* Content-Encoding gzip
  + What content codings have been applied to the entity-body
  + gzip is a type of encoding used for file compression
* X-AspNet-Version 4.0.30319
  + Version details corresponding to to X-Powered-By field.
* Vary Accept-Encoding
  + Lets the caches know which of the headers to use to figure out if they have a valid cache for a request.
* #status# HTTP/1.1 200 OK
  + The response status code.
  + 200 🡪 OK
* Content-Length 403
  + How long the content is (in decimal number of OCTETs).
* Date Sun, 14 Feb 2016 02:23:11 GMT
  + The date of the response
* Content-Type text/xml; charset=utf-8
  + The media type of the body sent to recipient
  + text/xml;🡪 content was delivered in XML format
  + UTF-8 🡪 Unicode 8 bit format
* X-Powered-By ASP.NET
  + Specifies the technology supporting the web application
  + ASP.NET 🡪 this web application uses ASP.net