ABSTRACT

In this thesis, the author have tried to analyze the implementation of AJAX with compression on a dynamic website using HTTP compression, in this case the AJAX HTTP compression is analyzed on a dynamic websites using Apache server and use Gzip for it's compression algorithm. Parameters that has been observed is the ratio of the compression and the time required to transmit those compressed response. The performance are compared with AJAX that does not use HTTP compression. This study aims to determine whether AJAX data compression on a dynamic website can be an alternative for the creations of dynamic websites that is more efficient.

When the implementation begins, the writer conclude that implementation of AJAX compression on the PHP server, generally improves the efficiency of dynamic web accessibility, in terms of size. Although in certain cases such as below 50 bytes, the size of the data will look bigger than the original data. Speed of response of the compressed data, can only be effective if the size of the data is over 3000 bytes or 3 Kb, while the size of the data below 3 Mb although the data size decreases, the difference of time is still unclear.

Keywords : AJAX, HTTP compression, dynamic web, GZip