ABSTRACT

XML is poised to take the World Wide Web to the next level of innovation. XML data, large or small, with or without associated schema, will be exchanged between increasing number of applications running on diverse devices. Efficient storage and transportation of such data is an important issue. Data compression is an important mechanism that can potentially reduce network bandwidth consumption and web access latency significantly.

On this final assignment the writer will try to make XML document compression module. This module will be integrated to a proxy server which will compress *HTTP body* that contain XML document. And then the writer will analyze sending performance of compress XML document.

This system was developed using Java programming language and using WBI (web Intelligence) as proxy server. From observation, this system able to save 62,19% of the bandwidth. This system also able to save 56,85% of the transmission time.

Keywords : Proxy Server, XML, Data Compression, HTTP