Abstract

Web development at this time concentrate or on the way to interactifity and respon time closely to desktop application. AJAX (Asyncronous Javascript and XML) is one of method to create a web become more interactive like desktop application, with AJAX is possible for web not to reload full of one web page again from server but only part that requested, with the result is improvement of bandwitdh usage.

AJAX web aplication in connection with web server ussually use XML (Extensible Markup Language) as data interchange format, but XML have redudancy in their data format, it have duplicated at tags (opening and closing tags) that cause less efficient and probably impact to AJAX performance. JSON (Javascript Object Notation) is alternative data interchange format can be used in AJAX that has less redudancy than XML, it make JSON more lightly better than XML. Web performance it can be know from response time and bandwidth.

Test result is showing that for large amount of data, AJAX performance with JSON is better than AJAX with XML but there are little different result from atribut that used in XML, test result for user access is showing same pattern with testing in single computer.

Keywords: AJAX, XML, JSON, performance, response time, bandwidth.