Abstract

At this time world web is on going project to build *Rich Internet Application* (RIA). *Rich Internet Application* is web application that has so high connectivity, user experience and interactivity values that just like desktop application characteristic without refresh web page.

In building a *Rich Internet Application*, today it is used 2 kind of technologies, ajax and Flex. As a sample ajax plain text and ajax JSON will be used and Flex *AMF* will be used for Flex. This final assignment simulate performance on loading few dan many datas and reliabilty by accessing using multiple concurrent user comparation.

Flex *AMF* has better performance than others though Flex *AMF* has the hightest data transfer time. But on reliabilty Flex *AMF* is worse than others.

Keywords: *Rich Internet Application*, Ajax, JSON, Flex, *AMF*, web performansi