

Abstract

Adobe Flex and JavaFX are frameworks that can develop desktop application (off-browser environment). Adobe Flex have been developed since 2002, and JavaFX since 2007. The ability of both frameworks in handling multimedia files are compared to see features possessed by them.

Application used for testing is a media player that read XML file to get data from file that used for testing. Main data from XML file is a link data that contains file address on server. Data that used for testing is 15 audio data with mp3 extension and 17 video data wit flv extension and VP6 encoding.

From testing result got time that used for buffering in audio file and video file. Those data shaped become a graphic that used to compare the performance of two frameworks.

Based on experiment, then buffering time is influenced by how much data that have to be sent to the appplication at one time. The larger data that have to be sent, the longer time that need for buffering.

Key Word : JavaFX, Flex, player, XML, buffering, audio, video.