

High Performance XML/XSLT Transformation Server

Benchmark Report

CS Senior Capstone

XZES40

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Benchmark Description: Our team tests two software. One is Xalan and the other one is Altova. Our client requires us XZES40 transformer should be worked in Debian system. Only the Xalan can work in the Debian system. The Altova is worked in Windows platform. Our goal is that comparing two software which one is faster. After we compare, we can set up a goal for our application. We use LAN Speed Test to test how long the file can transfer completely. For the test file, we used simple.xml and simple.xsl which those two files are provided in <https://github.com/XZES40/XZES40-Transformer/tree/master/xzes40/transformer/examples>.

Software Name	Stylesheet Compile(1st)	Stylesheet Compile(2nd)	Stylesheet Compile(3rd)
Altova	0.287s	0.287s	0.287s
Xalan	0.307s	0.307s	0.307s

Summary: Because the Altova is not free application so that it is faster than the Xalan application. Our team will improve the XML/XSLT transform performance by using caching and parallel method. We will try to finish the output between 0.250 seconds to 0.300 seconds.