

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. The test file is located in XZES40-Transformer/xzes40/transformer/test.

Filename	1st compile (Altova/Xalan)	2nd compile (Altova/Xalan)	3rd compile (Altova/Xalan)
book	0.0059593s/0.0063542s	0.0059593s/0.0063542s	0.0059593s/0.0063542s
book0	0.0124344s/0.0185461s	0.0124344s/0.0185461s	0.0124344s/0.0185461s
book2	0.0095234s/0.0154687s	0.0095234s/0.0154687s	0.0095234s/0.0154687s
ExpReport	0.0073892s/0.0082563s	0.0073892s/0.0082563s	0.0073892s/0.0082563s
bulddocs	0.390544s/0.421675s	0.390544s/0.421675s	0.390544s/0.421675s
buildlibs	0.394312s/0.432154s	0.394312s/0.432154s	0.394312s/0.432154s
charter	0.3530511s/0.396547s	0.3530511s/0.396547s	0.3530511s/0.396547s
commandline	0.2394883s/0.2786451s	0.2394883s/0.2786451s	0.2394883s/0.2786451s
download	0.272915s/0.302487s	0.272915s/0.302487s	0.272915s/0.302487s
extensions	0.262248s/0.295661s	0.262248s/0.295661s	0.262248s/0.295661s
faq	0.2545588s/0.2968521s	0.2545588s/0.2968521s	0.2545588s/0.2968521s
getstarted	0.2701943s/0.3021548s	0.2701943s/0.3021548s	0.2701943s/0.3021548s
history	0.2907314s/0.3256789s	0.2907314s/0.3256789s	0.2907314s/0.3256789s
index	0.2811204s/0.3248451s	0.2811204s/0.3248451s	0.2811204s/0.3248451s
install	0.2879462s/0.3145871s	0.2879462s/0.3145871s	0.2879462s/0.3145871s
install-save	0.2837449s/0.3201099s	0.2837449s/0.3201099s	0.2837449s/0.3201099s
license	0.1017543s/0.1994631s	0.1017543s/0.1994631s	0.1017543s/0.1994631s
overview	0.288627s/0.312578s	0.288627s/0.312578s	0.288627s/0.312578s
programming	0.277074s/0.312547s	0.277074s/0.312547s	0.277074s/0.312547s
readme	0.3536724s/0.3956412s	0.3536724s/0.3956412s	0.3536724s/0.3956412s
releasenotes	0.3247125s/0.3651478s	0.3247125s/0.3651478s	0.3247125s/0.3651478s
resources	0.1728324s/0.201468s	0.1728324s/0.201468s	0.1728324s/0.201468s
sample	0.3154724s/0.3456741s	0.3154724s/0.3456741s	0.3154724s/0.3456741s
secureweb	0.2714325s/0.3024564s	0.2714325s/0.3024564s	0.2714325s/0.3024564s
test-faqs	0.1054128s/0.1545617s	0.1054128s/0.1545617s	0.1054128s/0.1545617s
usagepatterns	0.37451829s/0.40124587s	0.37451829s/0.40124587s	0.37451829s/0.40124587s
whatsnew	0.26145827s/0.29541234s	0.26145827s/0.29541234s	0.26145827s/0.29541234s

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. Our application will try faster than Xalan.