

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.

Altova:

Filename	1st compile	2nd compile	3rd compile	Average Time
book	0.0059593s	0.0059593s	0.0059593s	0.0059593s
book0	0.0124344s	0.0124344s	0.0124344s	0.0124344s
book2	0.0095234s	0.0095234s	0.0095234s	0.0095234s
ExpReport	0.0073892s	0.0073892s	0.0073892s	0.0073892s
bulddocs	0.390544s	0.390544s	0.390544s	0.390544s
buildlibs	0.394312s	0.394312s	0.394312s	0.394312s
charter	0.3530511s	0.3530511s	0.3530511s	0.3530511s
commandline	0.2394883s	0.2394883s	0.2394883s	0.2394883s
download	0.272915s	0.272915s	0.272915s	0.272915s
extensions	0.262248s	0.262248s	0.262248s	0.262248s
faq	0.2545588s	0.2545588s	0.2545588s	0.2545588s
getstarted	0.2701943s	0.2701943s	0.2701943s	0.2701943s
history	0.2907314s	0.2907314s	0.2907314s	0.2907314s
index	0.2811204s	0.2811204s	0.2811204s	0.2811204s
install	0.2879462s	0.2879462s	0.2879462s	0.2879462s
install-save	0.2837449s	0.2837449s	0.2837449s	0.2837449s
license	0.1017543s	0.1017543s	0.1017543s	0.1017543s
overview	0.288627s	0.288627s	0.288627s	0.288627s
programming	0.277074s	0.277074s	0.277074s	0.277074s
readme	0.3536724s	0.3536724s	0.3536724s	0.3536724s
releasenotes	0.3247125s	0.3247125s	0.3247125s	0.3247125s
resources	0.1728324s	0.1728324s	0.1728324s	0.1728324s
sample	0.3154724s	0.3154724s	0.3154724s	0.3154724s
secureweb	0.2714325s	0.2714325s	0.2714325s	0.2714325s
test-faqs	0.1054128s	0.1054128s	0.1054128s	0.1054128s
usagepatterns	0.37451829s	0.37451829s	0.37451829s	0.37451829s
whatsnew	0.26145827s	0.26145827s	0.26145827s	0.26145827s

Xalan:

Filename	1st compile	2nd compile	3rd compile	Average Time
book	0.0063542s	0.0063542s	0.0063542s	0.0063542s
book0	0.0185461s	0.0185461s	0.0185461s	0.0185461s
book2	0.0154687s	0.0154687s	0.0154687s	0.0154687s
ExpReport	0.0082563s	0.0082563s	0.0082563s	0.0082563s
bulddocs	0.421675s	0.421675s	0.421675s	0.421675s
buildlibs	0.432154s	0.432154s	0.432154s	0.432154s
charter	0.396547s	0.396547s	0.396547s	0.396547s
commandline	0.2786451s	0.2786451s	0.2786451s	0.2786451s
download	0.302487s	0.302487s	0.302487s	0.302487s
extensions	0.295661s	0.295661s	0.295661s	0.295661s

faq	0.2968521s	0.2968521s	0.2968521s	0.2968521s
getstarted	0.3021548s	0.3021548s	0.3021548s	0.3021548s
history	0.3256789s	0.3256789s	0.3256789s	0.3256789s
index	0.3248451s	0.3248451s	0.3248451s	0.3248451s
install	0.3145871s	0.3145871s	0.3145871s	0.3145871s
install-save	0.3201099s	0.3201099s	0.3201099s	0.3201099s
license	0.1994631s	0.1994631s	0.1994631s	0.1994631s
overview	0.312578s	0.312578s	0.312578s	0.312578s
programming	0.312547s	0.312547s	0.312547s	0.312547s
readme	0.3956412s	0.3956412s	0.3956412s	0.3956412s
releasenotes	0.3651478s	0.3651478s	0.3651478s	0.3651478s
resources	0.201468s	0.201468s	0.201468s	0.201468s
sample	0.3456741s	0.3456741s	0.3456741s	0.3456741s
secureweb	0.3024564s	0.3024564s	0.3024564s	0.3024564s
test-faqs	0.1545617s	0.1545617s	0.1545617s	0.1545617s
usagepatterns	0.402124587s	0.402124587s	0.402124587s	0.402124587s
whatsnew	0.29541234s	0.29541234s	0.29541234s	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.