# IBM WebSphere DataPower Technology Preliminary Performance Report

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|---|---|
| Date: | 2007-02-07 |
| Version: | 1.2 |
| Customer: | ACME Widgets, Inc. |
| Customer Contact: | John Smith |
| Customer Application: | Account Presentation and Change |
| Testing Location: | IBM WebSphere DataPower |
| Solution: | WebSphere DataPower XML Accelerator XA35 |
| IBM WebSphere DataPower Contact: | US + 1 617-693-1001 |

## Customer Application

There are three test cases from ACME. The test corresponds to a particular XML file and XSL file: foo1.xml, foo2.xml, foo3.xml, bar1.xsl, bar2.xsl and bar3.xsl. The applications are a customer statement presentation system that provides the transformation of customer account information in HTML, a backend warehouse integration application and a CRM EAI application.

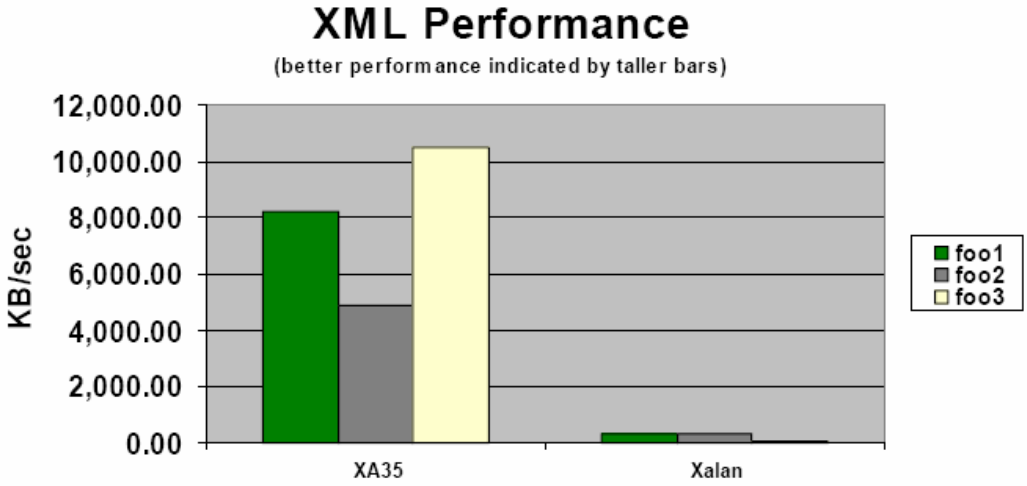
## Tests

All of the tests executed successfully through the WebSphere DataPower XML Accelerator XA35. For comparison purposes, IBM WebSphere DataPower also measured transformation time with Xalan-J under as close to the same conditions as possible. The name of the test is taken from the file that was provided to DataPower.

DataPower conducted benchmarks, comparing th eXalan engine to an XML Accelerator XA35 (ID string: xxxxxx), using XSLTMark 2.1 to conduct the measurements.

## Results

The results of each test are summarized in the chart below. The next page provides the detailed test results and precise numerical figures.




### foo1 Test Results

| Engine | Runs | KB/Sec |
|---|---|---|
| XA35 Test Results | 1000 | 8,191.70 |
| Xalan Test Results | 1000 | 320.79 |

### foo2 Test Results

| Engine | Runs | KB/Sec |
|---|---|---|
| XA35 Test Results | 1000 | 4920.48 |
| Xalan Test Results | 1000 | 358.31 |

### foo3 Test Results

| Engine | Runs | KB/Sec |
|---|---|---|
| XA35 Test Results | 1000 | 10502.16 |
| Xalan Test Results | 1000 | 48.71 |

## Discussion

This is a preliminary performance report and cannot take the place of a comprehensive XML Accelerator XA35 trial on customer site with real-world networks and data. However, these results indicate the XA35 proves to offer a dramatic performance improvement over Xalan. All test runs were completed in less than two milliseconds.

The XA35's output was correct for the test cases, modulo non-significant differences (capitalization of non-case-sensitive keywords, spaces, etc.).

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Software Group
Route 100
Somers, NY 10589U.S.A.

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