

Benchmark Setup

1. Hardware

1. Intel Pentium IV 2200 (22x100) MHZ (Nothwood)
2. Intel D850MV motherboard (i850E + ICH2)
3. 4 x Samsung MR16R 256 MB PC800 Rambus DRAM
4. IBM GXP120 60GB hard drive

2. Software

1. DarkLin III (Mandrake 9.2 Based) Single User Mode
2. Kernel 2.4.22
3. GNU C Library 2.3.2
4. GNU C Compiler 3.3.1
5. Intel C++ Compiler 8.0
6. J2SE 1.4.2 + JAXP 1.2

3. Libraries

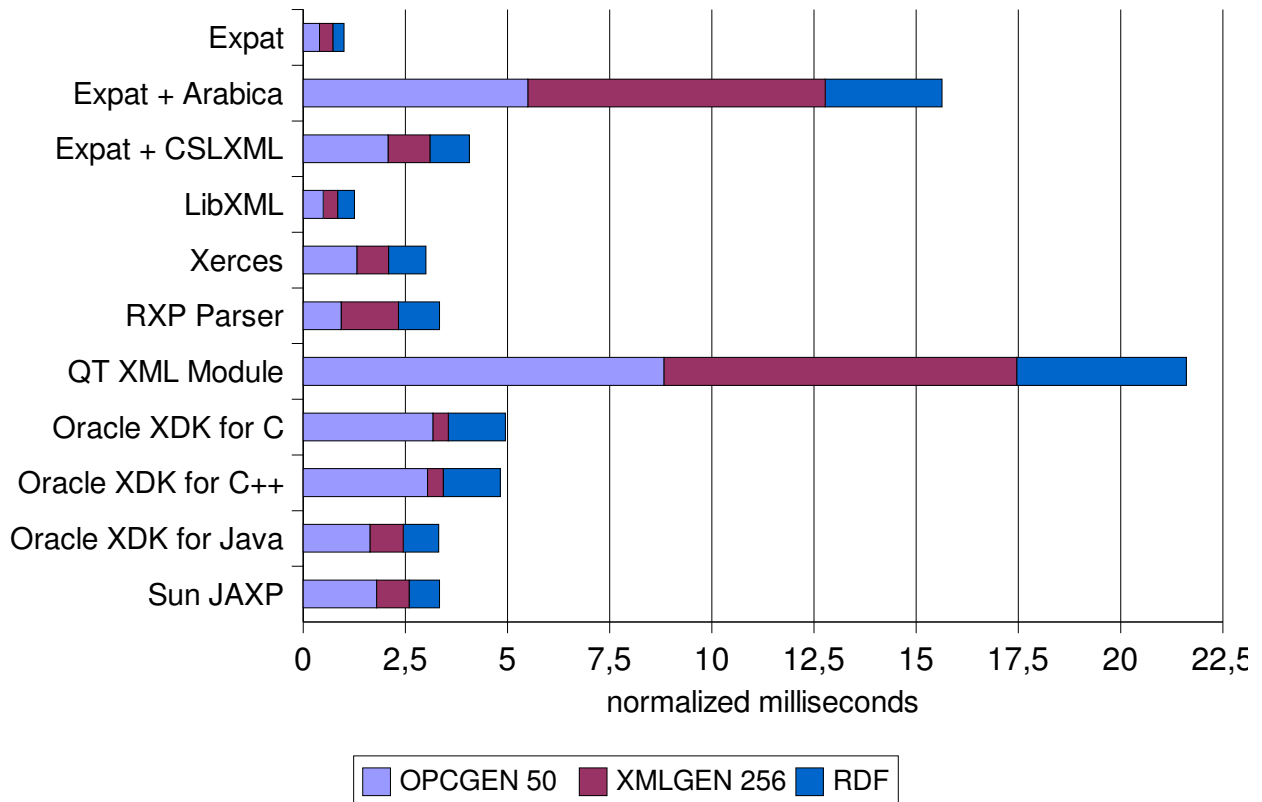
1. Expat 1.95.6
2. Sablotron 1.0.1
3. Arabica Jan04
4. CenterPoint XML 2.1.7
5. Gnome XML Library 2.6.5
6. Gnome XML Library 2.4.30
7. Gnome XML DOM Library 0.8.1
8. Gnome XSLT Library 1.1.2
9. XML Security Library 1.2.4
- 10.Xerces for C++ 2.4.0
- 11.Xalan for C++ 1.7
- 12.LTG RXP Parser 1.2.8
- 13.Trolltech QT 3.3.0
- 14.Oracle XML Developers Kit for C 9.2.0.6.0
- 15.Oracle XML Developers Kit for Java 9.2.0.6.0
- 16.Apache XML Security for C++ 08.02.2004
- 17.Apache XML Security for Java 1.0.5D2

1. XML Files

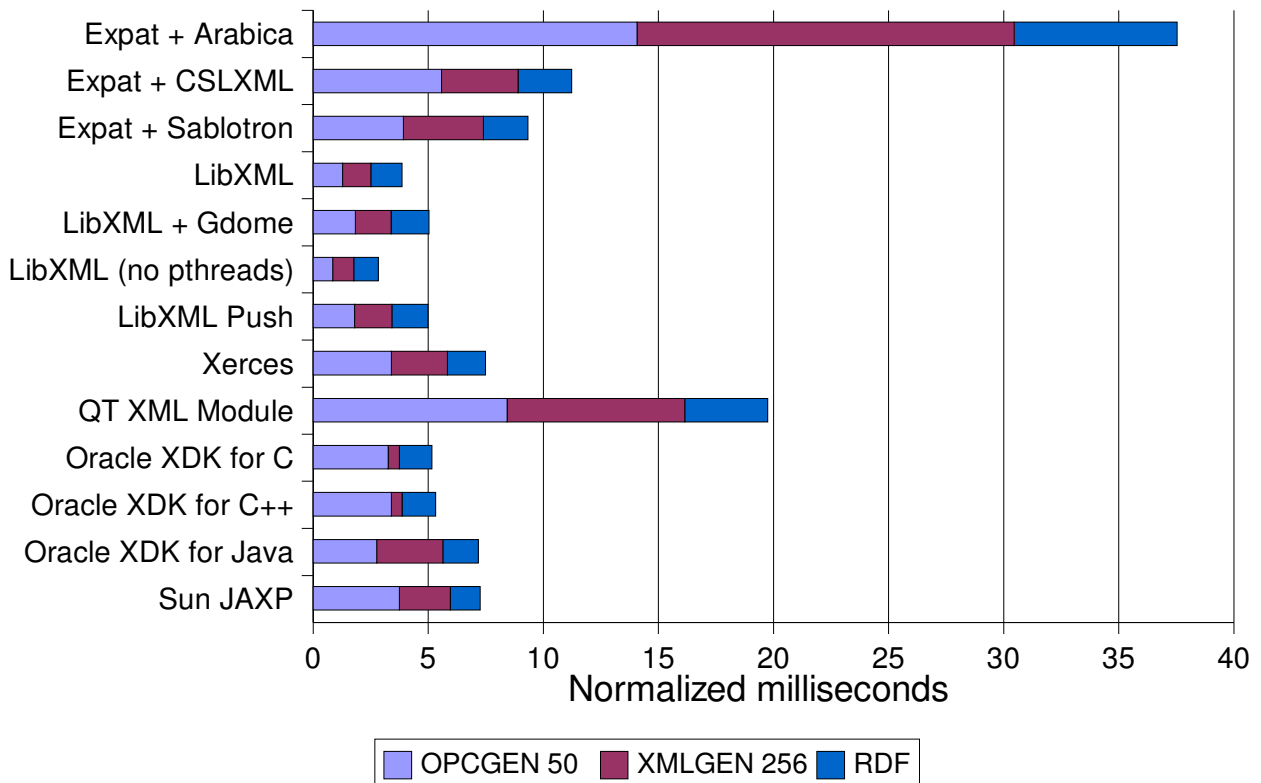
1. **XMLGEN** - autogenerated simple XML file filled with random values, have 3 levels of deep and very simple XSD schema. Examples and schema can be accessed in XML Benchmark source package.
2. **OPCGEN** – autogenerated sequence of OPC(<http://www.opcfoundation.org>) messages filled with random data. This messages have 1-5 levels of deep and complex xsd schema. There are 15 different type messages wich dramatically differs from each other. Examples and schema can be accessed in XML Benchmark source pakage.
3. 11 MB Resource Description File (RDF) from Dmoz.org

In all benchmarks lower value is better!

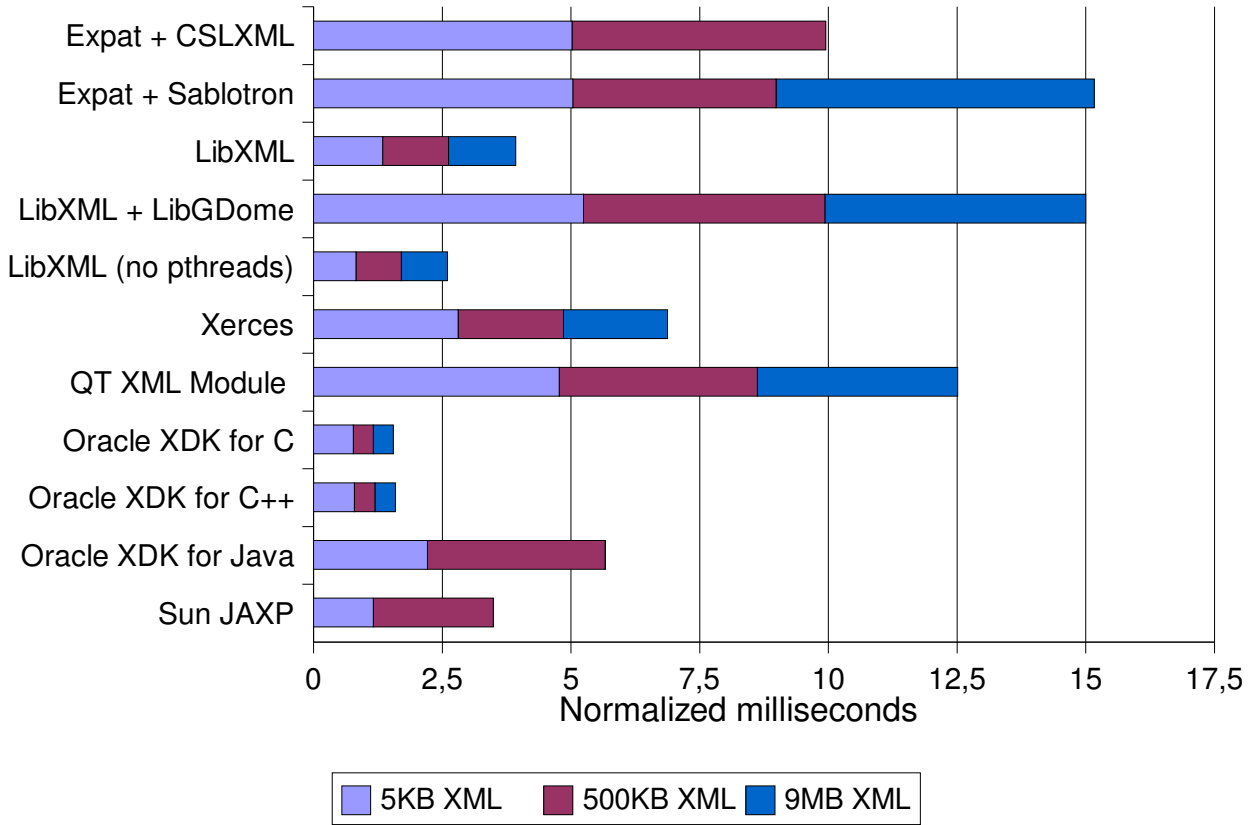
SAX Parsing Benchmark



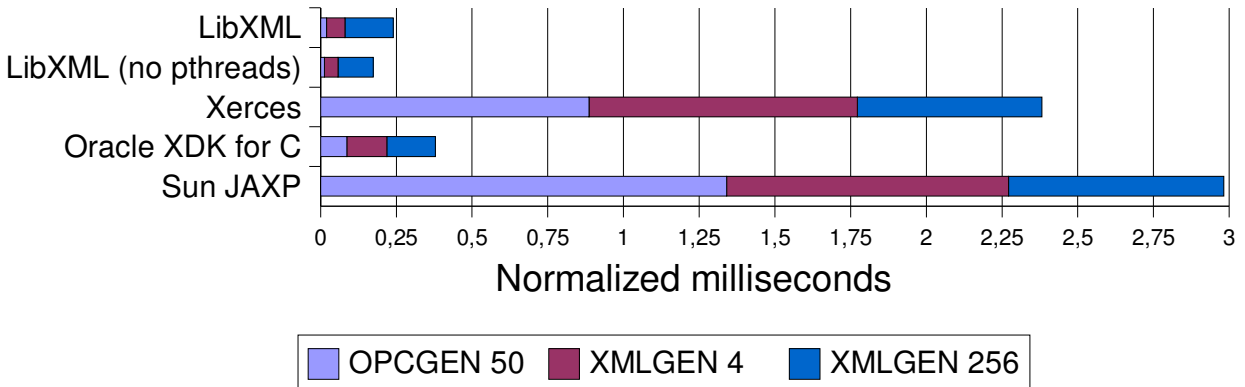
DOM Parsing Benchmark



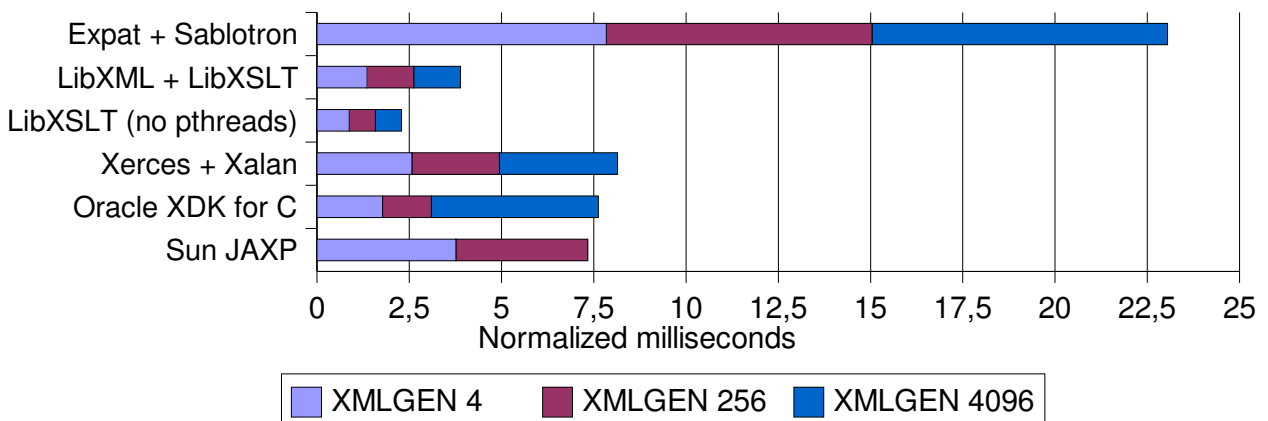
DOM Manipulations Benchmark



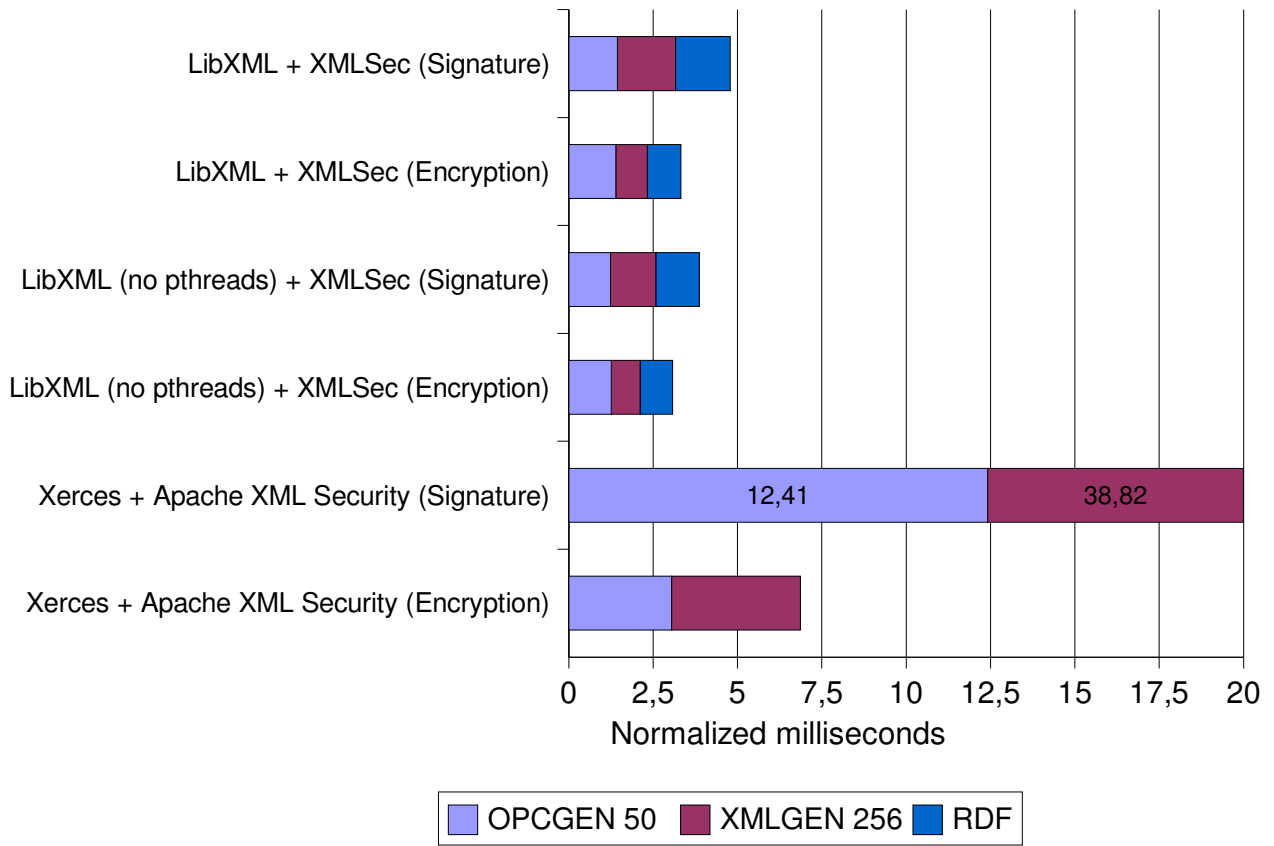
XSD Validation Benchmark



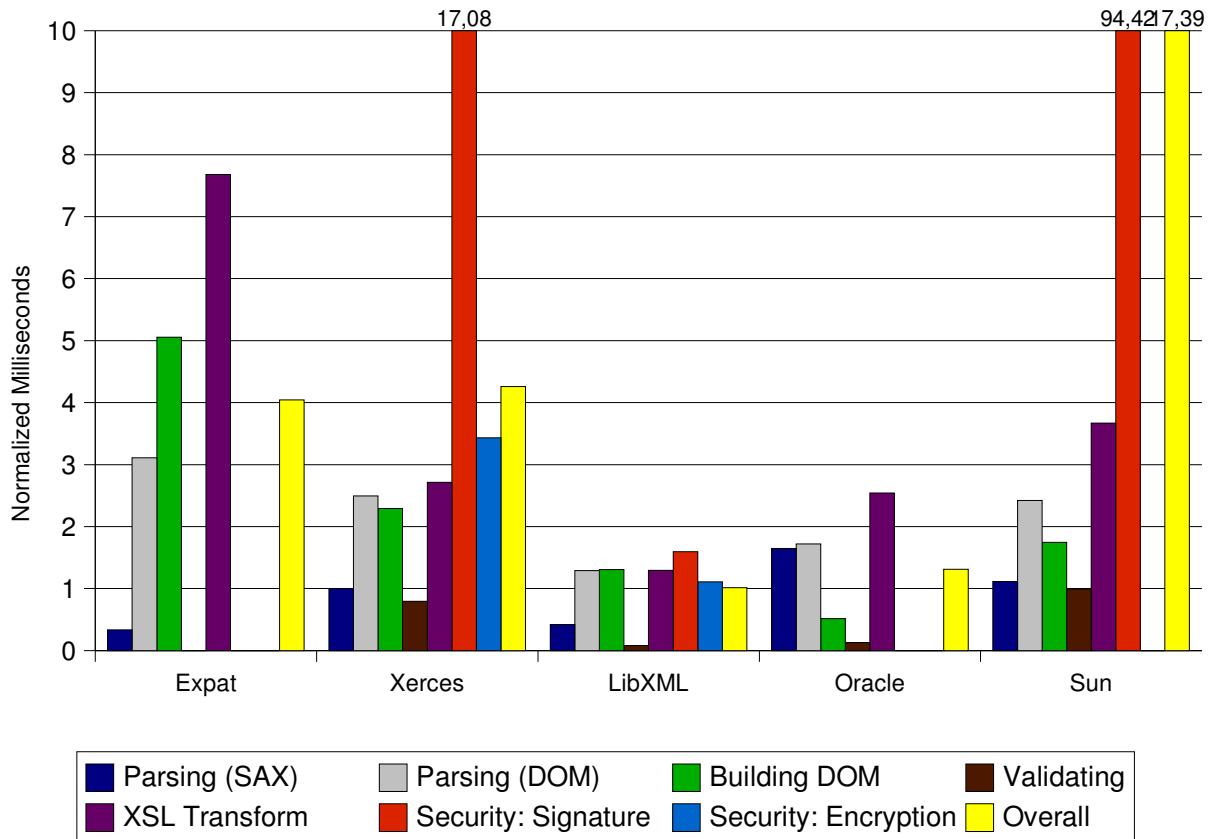
XSL Transformation Benchmark



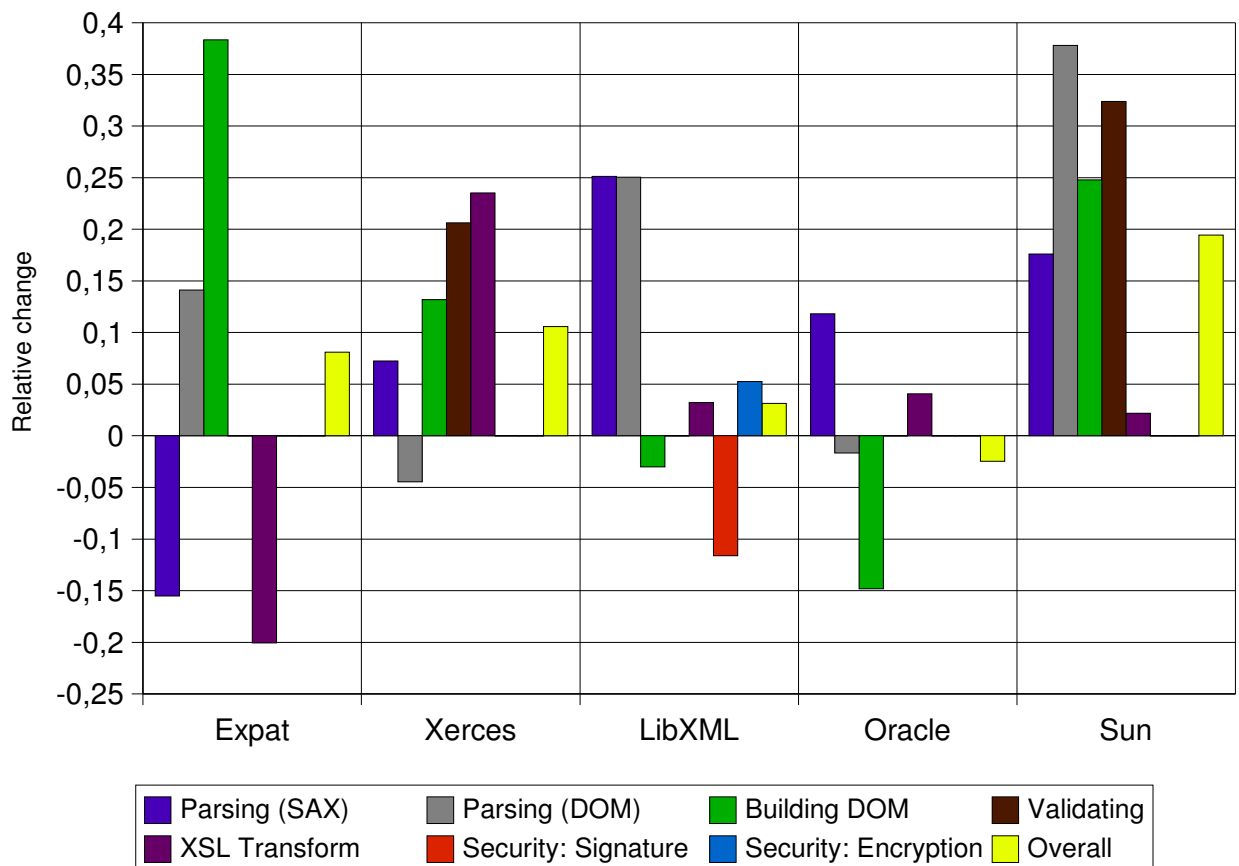
XML Security Benchmark



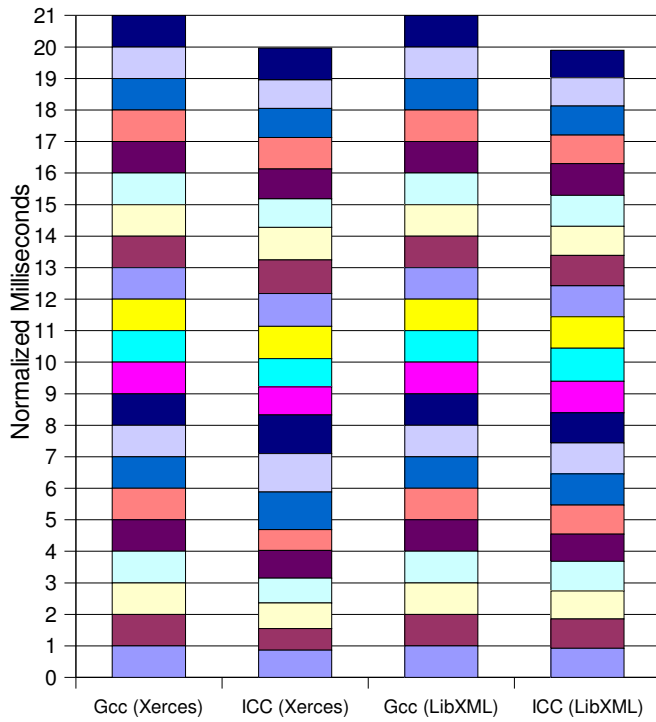
Overall



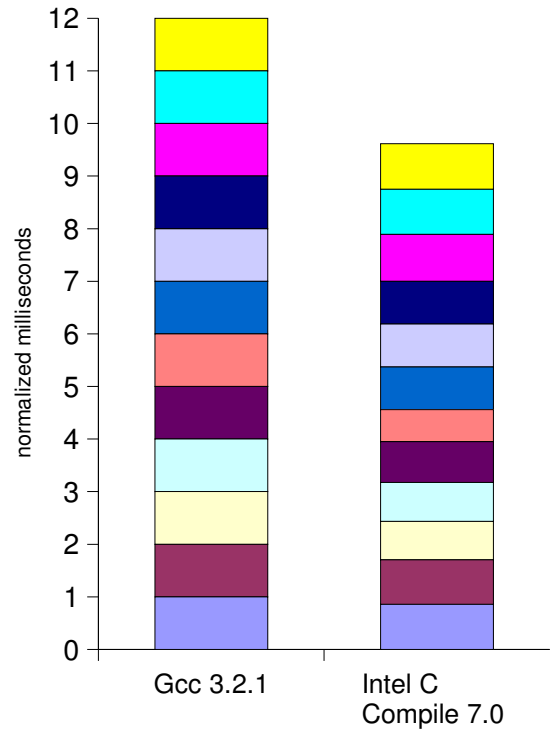
Speed Change



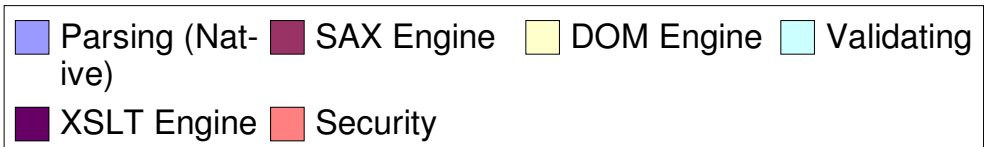
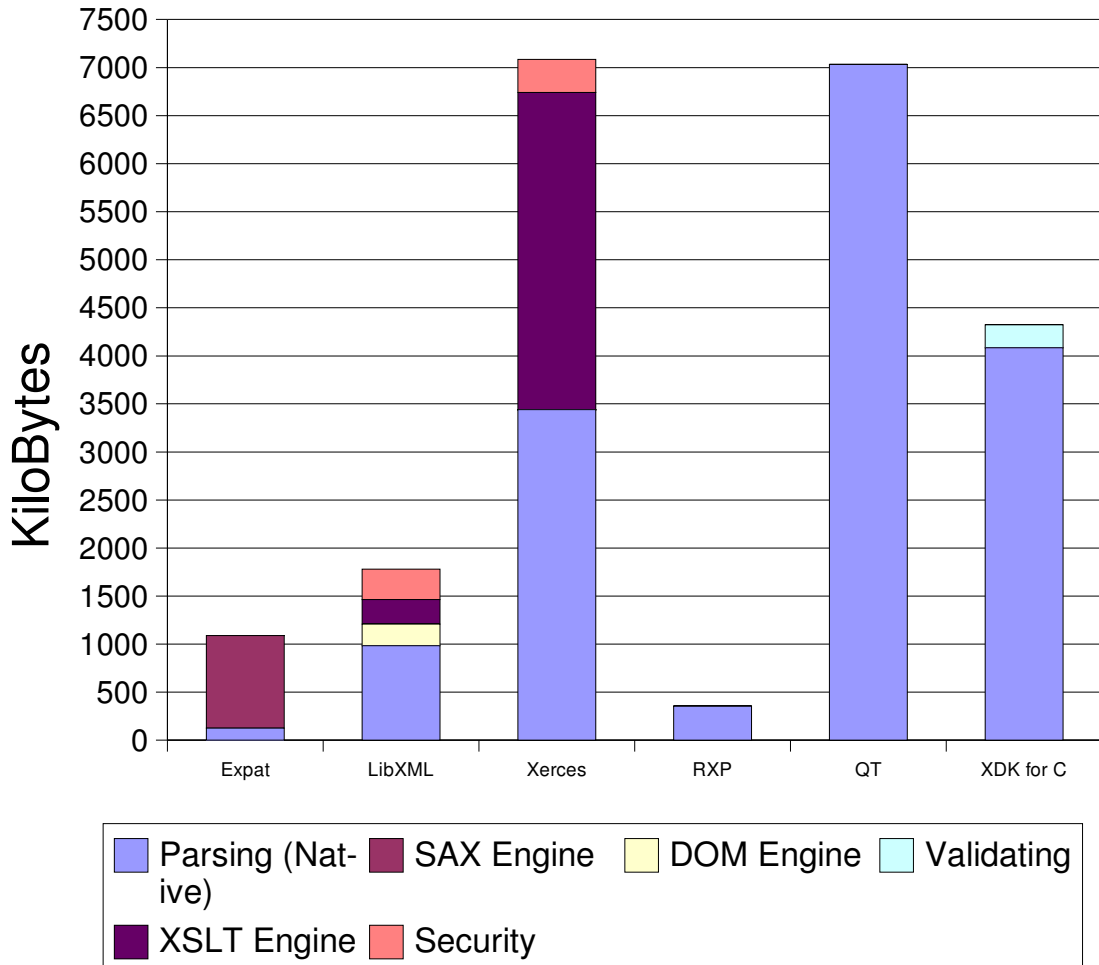
GCC 3.3.1 vs Intel C Compiler 8



GCC 3.2.1 vs. Intel Compiler 7



Library Size



Memory Usage (Results from March 2003)

Maximal Document Size

