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  tab-interval: 0.5in;
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  margin-bottom: 0.5em;
}
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  margin-bottom: 0.05em;
}
</style>

</head>

<body lang="EN-US">

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# 1.8 apache-xerces 2.9.1

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Before building Xerces, you need the source package and tools  
package available from the Apache XML Project's distribution  
web page:

<http://xml.apache.org/dist/xerces-j/>

Download both the Xerces-J-src.X.Y.Z.zip and Xerces-J-tools.X.Y.Z.zip  
files for the appropriate Xerces release (where "X.Y.Z" is the version  
number) and extract them in the same directory. If you are using Unix,  
download the equivalent .tar.gz files instead of the .zip files.

You also need to have a Java Development Kit (JDK) version 1.2 (or higher) installed on your system. Before initiating any part of the build, set the JAVA\_HOME environment variable to the installation directory of your JDK.

The Ant program is used to build everything in Xerces, including the documentation. This tool, and the others needed (besides the pre-requisite JDK) are contained within the tools package. To make building the packages easier, a Windows batch file and a Unix shell script are included.

If you only want to compile the source code and make the JAR files, run the following command on Windows:

```
build.bat jars
```

or from Unix (make sure that build.sh is executable):

```
build.sh jars
```

This will compile all of the source code and generate the JAR files that are available as part of the binary package. After building, these files will be located in the build/ directory.

If you want to build everything, including the documentation, run the build batch file (or shell script) specifying the "all" target instead of "jars".

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<!--
```

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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# 1.37 hibernate-core 4.2.15.Final

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any

application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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\* Hibernate, Relational Persistence for Idiomatic Java

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# 1.40 hornetq 2.3.12.Final

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## 1.42 jackson-jaxrs 1.8.1

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# 1.43 Java EJB API 3.0.0

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## 1.45 jaxb-api 2.1

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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### :3.4.1.jdk6.ep5.el5

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## 1.68 JCraft JSch 0.1.50

### 1.68.1 Available under license :

```
/* -*-mode:java; c-basic-offset:2; indent-tabs-mode:nil -*- */  
/*
```

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\*/

```
package com.jcraft.jsch;

public class Buffer{
    final byte[] tmp=new byte[4];
    byte[] buffer;
    int index;
    int s;
    public Buffer(int size){
        buffer=new byte[size];
        index=0;
        s=0;
    }
    public Buffer(byte[] buffer){
        this.buffer=buffer;
        index=0;
        s=0;
    }
    public Buffer(){ this(1024*10*2); }
    public void putByte(byte foo){
        buffer[index++]=foo;
    }
    public void putByte(byte[] foo) {
        putByte(foo, 0, foo.length);
    }
    public void putByte(byte[] foo, int begin, int length) {
        System.arraycopy(foo, begin, buffer, index, length);
        index+=length;
    }
    public void putString(byte[] foo){
        putString(foo, 0, foo.length);
    }
    public void putString(byte[] foo, int begin, int length) {
        putInt(length);
        putByte(foo, begin, length);
    }
    public void putInt(int val) {
        tmp[0]=(byte)(val >>> 24);
```

```

tmp[1]=(byte)(val >>> 16);
tmp[2]=(byte)(val >>> 8);
tmp[3]=(byte)(val);
System.arraycopy(tmp, 0, buffer, index, 4);
index+=4;
}
public void putLong(long val) {
tmp[0]=(byte)(val >>> 56);
tmp[1]=(byte)(val >>> 48);
tmp[2]=(byte)(val >>> 40);
tmp[3]=(byte)(val >>> 32);
System.arraycopy(tmp, 0, buffer, index, 4);
tmp[0]=(byte)(val >>> 24);
tmp[1]=(byte)(val >>> 16);
tmp[2]=(byte)(val >>> 8);
tmp[3]=(byte)(val);
System.arraycopy(tmp, 0, buffer, index+4, 4);
index+=8;
}
void skip(int n) {
index+=n;
}
void putPad(int n) {
while(n>0){
buffer[index++]=(byte)0;
n--;
}
}
public void putMPInt(byte[] foo){
int i=foo.length;
if((foo[0]&0x80)!=0){
i++;
putInt(i);
putByte((byte)0);
}
else{
putInt(i);
}
putByte(foo);
}
public int getLength(){
return index-s;
}
public int getOffSet(){
return s;
}
public void setOffSet(int s){
this.s=s;
}

```

```

}
public long getLong(){
    long foo = getInt()&0xffffffffL;
    foo = ((foo<<32) | (getInt()&0xffffffffL));
    return foo;
}
public int getInt(){
    int foo = getShort();
    foo = ((foo<<16)&0xffff0000) | (getShort()&0xffff);
    return foo;
}
public long getUInt(){
    long foo = 0L;
    long bar = 0L;
    foo = getByte();
    foo = ((foo<<8)&0xff00)|(getByte()&0xff);
    bar = getByte();
    bar = ((bar<<8)&0xff00)|(getByte()&0xff);
    foo = ((foo<<16)&0xffff0000) | (bar&0xffff);
    return foo;
}
int getShort() {
    int foo = getByte();
    foo = ((foo<<8)&0xff00)|(getByte()&0xff);
    return foo;
}
public int getByte() {
    return (buffer[s++]&0xff);
}
public void getByte(byte[] foo) {
    getByte(foo, 0, foo.length);
}
void getByte(byte[] foo, int start, int len) {
    System.arraycopy(buffer, s, foo, start, len);
    s+=len;
}
public int getByte(int len) {
    int foo=s;
    s+=len;
    return foo;
}
public byte[] getMPInt() {
    int i=getInt(); // uint32
    if(i<0 || // bigger than 0x7fffffff
        i>8*1024){
        // TODO: an exception should be thrown.
        i = 8*1024; // the session will be broken, but working around OOME.
    }
}

```



```

byte[] foo=new byte[i];
getBytes(foo, 0, i);
return foo;
}
public byte[] getMPIntBits() {
int bits=getInt();
int bytes=(bits+7)/8;
byte[] foo=new byte[bytes];
getBytes(foo, 0, bytes);
if((foo[0]&0x80)!=0){
byte[] bar=new byte[foo.length+1];
bar[0]=0; // ??
System.arraycopy(foo, 0, bar, 1, foo.length);
foo=bar;
}
return foo;
}
public byte[] getString() {
int i = getInt(); // uint32
if(i<0 || // bigger than 0x7fffffff
i>256*1024){
// TODO: an exception should be thrown.
i = 256*1024; // the session will be broken, but working around OOME.
}
byte[] foo=new byte[i];
getBytes(foo, 0, i);
return foo;
}
byte[] getString(int[]start, int[]len) {
int i=getInt();
start[0]=getBytes(i);
len[0]=i;
return buffer;
}
public void reset(){
index=0;
s=0;
}
public void shift(){
if(s==0)return;
System.arraycopy(buffer, s, buffer, 0, index-s);
index=index-s;
s=0;
}
void rewind(){
s=0;
}
}

```

```

byte getCommand(){
    return buffer[5];
}

void checkFreeSize(int n){
    if(buffer.length<index+n){
        byte[] tmp = new byte[buffer.length*2];
        System.arraycopy(buffer, 0, tmp, 0, index);
        buffer = tmp;
    }
}

byte[][] getBytes(int n, String msg) throws JSchException {
    byte[][] tmp = new byte[n][];
    for(int i = 0; i < n; i++){
        int j = getInt();
        if(getLength() < j){
            throw new JSchException(msg);
        }
        tmp[i] = new byte[j];
        getByte(tmp[i]);
    }
    return tmp;
}

/*
static Buffer fromBytes(byte[]... args){
    int length = args.length*4;
    for(int i = 0; i < args.length; i++){
        length += args[i].length;
    }
    Buffer buf = new Buffer(length);
    for(int i = 0; i < args.length; i++){
        buf.putString(args[i]);
    }
    return buf;
}
*/

static Buffer fromBytes(byte[][] args){
    int length = args.length*4;
    for(int i = 0; i < args.length; i++){
        length += args[i].length;
    }
    Buffer buf = new Buffer(length);
    for(int i = 0; i < args.length; i++){
        buf.putString(args[i]);
    }
}

```

```

return buf;
}

/*
static String[] chars={
    "0","1","2","3","4","5","6","7","8","9", "a","b","c","d","e","f"
};
static void dump_buffer(){
    int foo;
    for(int i=0; i<tmp_buffer_index; i++){
        foo=tmp_buffer[i]&0xff;
        System.err.print(chars[(foo>>>4)&0xf]);
        System.err.print(chars[foo&0xf]);
        if(i%16==15){
            System.err.println("");
            continue;
        }
        if(i>0 && i%2==1){
            System.err.print(" ");
        }
        System.err.println("");
    }
    static void dump(byte[] b){
        dump(b, 0, b.length);
    }
    static void dump(byte[] b, int s, int l){
        for(int i=s; i<s+l; i++){
            System.err.print(Integer.toHexString(b[i]&0xff)+":");
        }
        System.err.println("");
    }
}
*/
}

```

## 1.69 Jetty 9.2.19.v20160908

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```

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```

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Oracle

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

javax.servlet:javax.servlet-api  
javax.servlet.jsp:javax.servlet.jsp-api  
org.glassfish.web:javax.servlet.jsp  
org.glassfish.web:javax.servlet.jsp  
org.glassfish.web:javax.servlet.jsp.jstl  
org.eclipse.jetty.orbit:javax.servlet.jsp.jstl

-----

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

-----

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The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp  
org.apache.tomcat:tomcat-jasper  
org.apache.tomcat:tomcat-juli  
org.apache.tomcat:tomcat-jsp-api

org.apache.tomcat:tomcat-el-api  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-api  
org.apache.tomcat:tomcat-util-scan  
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el  
org.apache.tomcat:tomcat-jasper-el  
org.apache.tomcat:tomcat-el-api

-----

Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

-----

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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iQEcBAEBAgAGBQJQBb4tAAoJEMHhjBmtgF91HDcH/2nQDPuPztWFrBifnEoLF6Jl  
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Full name: Julian Anthony Fox Gosnell

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Mailing Address: 2, Tannery Cottages, Tannery Lane, Bramley, Surrey, GU5 0AB, UK.

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=piHm

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iD8DBQFDjMI6J97Uv2IW248RAmGNAJ9/krpkiYJRrJTMXVkJ3cdnVvfU+QCfYFEh  
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Point of Contact:  
Full name: Gordon King  
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Date:

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Name: Gordon King

Positions: Chief Operational Officer

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Name	Date added
Simone Bordet	12 September 2006

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Date: 8 January 2007

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Version: GnuPG v1.4.3 (GNU/Linux)

iD8DBQFFoniQJVhlFus9dGQRAmJmAJwL5y1loohVQIICsparvjHMQuwqwCgiZFy

LBDVaad1bJ1v1EHY901kPcg=

=6rqm

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E-Mail: `jfarcan@apache.org`  
Mailing Address: 1800 McGill College Avenue, Suite 800, H3A 3J6 Montreal, Quebec (Canada)

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Version: GnuPG v1.0.7 (GNU/Linux)

iD8DBQFE85cgaq9Frj/CIrIRAmuJAKCFgi4W0UOH8IU<sub>n</sub>+SV6PBHRF3BnLgCcDqqC  
Zokttk0bTHfwaa5TxQbScw=  
=N/w/

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Mailing Address: 1A Leigh Road, London, UK, N5 1ST

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Date: January 30th 2006

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Version: GnuPG v1.4.1 (Darwin)

iD8DBQFD37/4dL6IZr4c+6kRAtsIAJ41tfd3lj4OM6sIMfJfTOdYdT1bxwCdGgWv  
8sfMxEDZquIqhVbfZU2c76U=  
=8WW7

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Version: GnuPG v1.4.4 (MingW32)

iD8DBQFEt1ZxHR/ESK2w6H8RApbOAJ9c1eooNr2oN59WZVitJExGJjUvKgCfaKji

6etDJ6AUj0jTuS159hUsWMQ=

=HmqH

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Version: GnuPG v1.4.1 (GNU/Linux)

iD8DBQFEEaStXR9WPTAwnLARAjsNAJ4jBB6wCEqucFljGge7yrAMSrFv/gCgoMC+  
5hdry6ZjXRcUhQEyNz2F/T4=  
=I4Co

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Date: 27 June 2008

Please sign: David Jencks

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Version: GnuPG v1.4.7 (Darwin)

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 * v2.1
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 *
 * Generates inline sparkline charts from data supplied either to the method
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# 1.103 trove 1.1-beta-5

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