Compiling Xindice on Unix

1.2

by Dave Viner, Vadim Gritsenko

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1. Intended audience

This How-to is aimed at developers who want to compile Xindice from the source distribution or from a Subversion checkout on Unix platform.

2. Purpose

Following the steps of this how-to should allow you to compile Xindice on unix platform.

3. Prerequisites

Obtain a working version of the JDK 1.4 or higher. You can get the jdk from lots of places, one of which is <u>Sun</u>.

Obtain the Xindice <u>sources</u> from the download page or via <u>Subversion checkout</u>.

4. Steps

4.1. Place holders used in the Steps

- {XINDICE_HOME} - Directory where you have untarred your Xindice source files.
- {JAVA_VERSION} - Installed JDK Version.

4.2. Verify your environment

Make sure you have the JAVA_HOME environment variable set. If you are running Mac OS X, build script will attempt to guess it so you get away with skipping this step.

```
$ echo $JAVA_HOME
/usr/java/jdk{JAVA_VERSION}
```

4.3. Compile

Navigate to the location where you untarred your Xindice sources (or to your svn checkout of Xindice source code) and run the build.sh script. Your output will resemble:

```
$ cd {XINDICE_HOME}
$ ./build.sh

Apache Xindice Build System
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```

```
Buildfile: build.xml

init:
    [echo] Building with Java {JAVA_VERSION}

compile-src:
   [mkdir] Created dir: {XINDICE_HOME}/build/classes-dom
   [javac] Compiling 4 source files to {XINDICE_HOME}/build/classes-dom
   [mkdir] Created dir: {XINDICE_HOME}/build/classes
   [javac] Compiling 287 source files to {XINDICE_HOME}/build/classes

compile-test:
   [mkdir] Created dir: {XINDICE_HOME}/build/classes-tests
   [mkdir] Created dir: {XINDICE_HOME}/build/test-results
   [javac] Compiling 62 source files to {XINDICE_HOME}/build/classes-tests
    [copy] Copying 65 files to {XINDICE_HOME}/build/classes-tests

jar:
     [jar] Building jar: {XINDICE_HOME}/xindice-1.2.jar
     [jar] Building jar: {XINDICE_HOME}/xindice-dom-1.2.jar

bin:
   [mkdir] Created dir: {XINDICE_HOME}/build/bin
    [copy] Copying 5 files to {XINDICE_HOME}/build/bin

war:
    [copy] Copying 1 file to {XINDICE_HOME}
     [war] Building war: {XINDICE_HOME}/xindice-1.2.war

BUILD SUCCESSFUL
Total time: 5 seconds
```

Warning:

NOTE: Certain flavors of Unix require a space after the `#!` in the first line of the shell script. In this case, edit the `build.sh` file and change the first line from "`#!/bin/sh`" to "`#! /bin/sh`".

4.4. Verify the compilation

If the compile was succeeded, you will find the output files in the current directory.

```
$ ls xindice-*
xindice-1.2.jar       xindice-1.2.war       xindice-1.2.xml
xindice-dom-1.2.jar
```

4.5. Feedback

If you run into problems, don't worry. Be sure to send <u>feedback</u> so that we can improve these documents for the next person.