

## 2.9 Building an AspectJ Project Using Ant

### Problem

You want to compile an AspectJ project using Ant.

### Solution

Use the tasks included in the AspectJ toolkit to build your project using Ant.

### Discussion

The *Ant build.xml* configuration file in Example 2-6 shows an example for how to call upon the additional AspectJ Ant tasks.

*Example 2-6. An Ant configuration file that uses the AspectJ tasks*

```
<?xml version="1.0" encoding="UTF-8"?>
<project basedir="." default="compile" name="test">
  <property name="src" value="src"/>
  <property name="build" value="build"/>
  <taskdef resource="org/aspectj/tools/ant/taskdefs/aspectjTaskdefs.properties">
    <classpath>
      <pathelement location="%ASPECTJ_INSTALLATION%/lib/aspectjtools.jar"/>
    </classpath>
  </taskdef>
  <target name="compile">
    <mkdir dir="{build}"/>
    <iajc destdir="{build}" sourceroots="{src}">
      <classpath>
        <pathelement location="%ASPECTJ_INSTALLATION%/lib/aspectjrt.jar"/>
      </classpath>
    </iajc>
  </target>
</project>
```

Here is what Example 2-6 does:

1. Defines a new task using the AspectJ task properties
2. Specifies the location of the *aspectjtools.jar*
3. Declares a build target that compiles the project using the *iajc* task that in turn relies upon the *aspectjrt.jar* to execute

### See Also

*Ant: The Definitive Guide*, by Jesse Tilly and Eric M. Burke (O'Reilly); the Jakarta Ant online manual at <http://jakarta.apache.org/ant/manual/index.html>.