

Compiling using Ant

Apache Ant integration

IzPack can be easily integrated inside an Ant build process.

E.g.:

```
<?xml version="1.0"?>
<project default="install">
  <path id="build.classpath">
    <fileset dir="${user.home}/IzPack">
      <include name="lib/*.jar" />
    </fileset>
  </path>
  <taskdef name="izpack" classpathref="build.classpath"
classname="com.izforge.izpack.ant.IzPackTask" />

  <target name="install">
    <izpack input="install.xml"
      output="IzPack-install.jar"
      installerType="standard"
      inheritAll="true"
      basedir="${basedir}"
      izPackDir="${user.home}/IzPack/" />
  </target>
</project>
```

The above assumes that the IzPack distribution has been installed to **\$(user.home)/IzPack**.

The IzPack task takes the following parameters:

- 'input': the XML installation file. The installation can be specified as an external file, or embedded using a config child element.
- 'output': the output jar installer file
- 'installerType': optional. standard or web. If web, the <webdir> attribute must be specified in the input file. Used to force creation of a standard installer when the <webdir> attribute has been used.
- 'inheritAll': optional, boolean. If true all properties defined in the ant build process are transmitted to izpack parser for substitution.
- 'baseDir': the base directory to resolve the relative paths
- 'IzPackDir': the IzPack home directory

Embedding the installation file using a config element

Instead of using the 'input' attribute to specify an external installation document, you can embed the installation config as a child of the IzPack task using a config child element with a CDATA section. For example:

```
<property name="jboss.home.url" value="http://www.jboss.com/" />
...

<!-- Call IzPack with an embedded install using the config element -->
<IzPack output="${dist.dir}/IzPack-install.jar"
  installerType="standard"
  basedir="${dist.dir}"
  inheritAll="true"
  IzPackDir="${dist.dir}/">
  <config><![CDATA[
<installation version="1.0">
  <info>
    <appname>JBossAS</appname>
    <appversion>4.0.2</appversion>
    <appsubpath>jboss-4.0.2</appsubpath>
    <authors>
      <author name="JBoss Inc." email="sales@jboss.com"/>
    </authors>
    <url>@{jboss.home.url}</url>
    <javaversion>1.4</javaversion>
  </info>
  ...
  ]]></config>
</IzPack>
```

Property references of the form

@{x}

are replaced by the associated x ant property if it is defined.