

# **Bosco Users Guide**

**Gerson Sunyé**

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# Foreword

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# Chapter 1. Using Bosco

## Getting Started

### System Requirements

The current project requires a platform that supports both, Python (2.3 or later) and Java (1.4 or later). Java and Python can be downloaded from their respective web sites: <http://www.python.org> and <http://java.sun.com/j2se/downloads.html>. [<http://java.sun.com/j2se/downloads.html>]

There are also two specific libraries that are needed to run Bosco:

1. Cheetah
2. Apache Ant

Cheetah is a template engine, used by Bosco to easily generate code. It is available from its web site: <http://cheetahtemplate.org>. [<http://cheetahtemplate.org>]

Ant is a java based build tool, similar to Make but much easier. It is available from its web site: <http://ant.apache.org>. [<http://ant.apache.org>]

### Other libraries

In order to execute the java code generated by Bosco, i.e. the JMI implementation, some extra libraries are also needed.

1. `jmi.jar`
2. `xerces.jar`
3. `dresden.jar`
4. `junit.jar`
5. `sablecc.jar`

While these libraries are included in the Bosco files, a different version of these files can be specified in the *build.properties* as we will see later.

**JMI** is the acronym for Java Metadata Interface.

## Getting Bosco

### Installing Cheetah