

# Alloy

## Installation guide

Alloy is a textual modeling language aimed at expressing the **structural** and **behavioral** properties of software systems.

## Installation guide of Alloy Analyzer (AA)

Alloy is a self-contained executable, which includes the Kodkod model finder and a variety of SAT solvers, as well as the standard Alloy library.

1. Download Alloy from [here](#).
2. Alloy requires a java runtime environment. So, download it from [here](#) and install it.

Then, double-click on the jar file (downloaded from 1) or execute ***java -jar alloy4.jar*** from the command line to run the AA.

## Verification of the installation

1. Click the “**file**” menu, then click “**open sample models**” to open ***examples/toys/ceilingsAndFloors.als***.
2. Click the “**Execute**” icon.

If AA is successfully installed, it will show graphical output.