

BT-TCG Quick Start

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1 BT-TCG License

BT-TCG is distributed under a 2-clause BSD license (see the file `LICENSE` in the project folder). BT-TCG also contains the following components:

- BT Analyser (distributed in source form under a 2-clause BSD license),
- JDOM library (4-clause BSD license), and
- JExcelAPI library (LGPL version 2 license).

2 Installing BT-TCG

BT-TCG has its own copy of BT Analyser in the `BTAnalyser` subfolder of the BT-TCG project folder. The copy of BT Analyser in the subfolder needs to be compiled for the specific OS platform of the computer (instructions for compiling are in `readme.txt` in the subfolder). Currently BT-TCG assumes that SBCL is used as the Lisp system.

If the computer is running a unix system (e.g., MacOS or Linux), then the file `start.sh` needs to be made executable. From the project folder, using a command line interface, type:

```
chmod +x start.sh
```

BT-TCG must then be imported into Eclipse as an existing project. From the `file` menu in Eclipse, select `import` and then select `Existing Projects into Workspace` (see Figure 1). Once BT-TCG has been successfully imported as an existing project, you should be able to run BT-TCG. Note that the project folder need not be inside the workspace folder of Eclipse.

3 Documentation

Currently, documentation for BT-TCG is minimal. Documentation on the underlying BT Analysis tool (which supports LTL model checking as well as test path generation) includes:

- `readme.txt` in the `BTAnalyser` subfolder, which can be used as a user's guide for BT Analyser, and

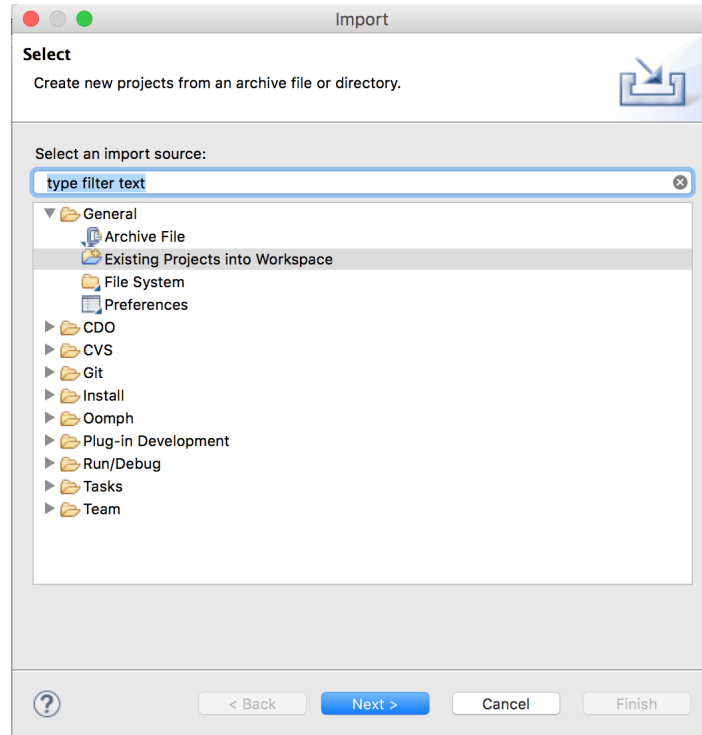


Figure 1: Import BT-TCG as an existing project

- `api.txt` in the BTAnalyser subfolder, which describes an API for using BT Analyser (which includes model checking) as a socket server.

In addition, there is `add-on-guide.pdf` in the BT-TCG project folder, which is a guide for extending BT-TCG. BT-TCG currently does not support model checking. A user's guide for BT-TCG is currently being written.