

# INSTALL

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## 1 Prerequisites

This document assumes that you are installing the Vienna Verification Toolkit on a Ubuntu 14.04 machine.

## 2 Dependencies

The following Ubuntu packages have to be installed:

- llvm-3.5
- clang-3.4

These packages can be installed using

```
sudo apt-get install llvm-3.5 clang-3.4
```

### 3 Installation

All files in the `bin` directory should be placed in a directory that is listed in the `PATH` environment variable. Usually this is `/usr/local/bin`.

The contents of the `include` directory should be placed in `/usr/local/include/vvt`. They can also be placed somewhere else, provided that the `VVT_INCLUDE` variable in `bin/vvt-svcomp-bench.sh` is adjusted accordingly.

### 4 Running

To run a benchmark file, simply execute:

```
vvt-svcomp-bench.sh FILE
```

Where `FILE` is the name of the benchmark.

### 5 License

The Vienna Verification Toolkit is licensed under the terms of the GPL 3 license. This package also includes the MathSAT and Z3 SMT solvers which are called by the framework. MathSAT is licensed under a special license which can be found in the file `LICENSE-mathsat`, while Z3 is licensed under the terms of the MIT license.