

# shared\_object\_trace

Bazel Graph Creation on 3rd party libraries that are related through shared objects

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## Introduction

When evaluating the impact that a third party repository has on other third party libraries via shared objects, use this tool. It scans files within external folders to construct a simplified and conceptual view of third party inter-dependence via shared object files.

## Installation

Software can be installed through apt-get. The following commands will add the ppa and install the software.

```
sudo curl -s --compressed -o /etc/apt/sources.list.d/shared_object_trace.list 'https://raw.g
sudo apt update
sudo apt install shared_object_trace
```

The debian file can also be installed/uninstalled directly. To uninstall you can use:

```
sudo apt remove shared_object_trace
```

## Command Line

The tool can be used from the command line.

```
constructs graph for third party dependance on a third party dependency:
--dep arg          third party dep name (applied as '@DEP//...')
--run_dir arg      where to run the analysis
--output_dir arg   the directory to output graph artifacts
--bazel arg        the name of the bazel runner (useful if repo has a
                   bazel wrapper or using bazelisk)
-h [ --help ]      produce this help message
-v [ --version ]   display version
```