

Binary code browser and tester

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Description:

Potential tool useful for low-level developers. It should be a GUI based application with which one is able to browse through a binary file (executable, object, library) and inspect assembly code.

Desired functionality:

Should offer an interface to easily browse through assembly code and functions

Should generate a static call graph

Should use ParseAPI [1], which was already been proved successful for this kind of task

1: <http://www.dyninst.org/parse>

Initial prototype:

Simple client-side web-app based on AngularJS:

- lists functions in an executable file
- shows assembly code for a specific function
- uses ParseAPI
- draws static call graph for the same executable (press Generate)

Link: http://alinmindroc.github.io/dyninst_parser_GSOC