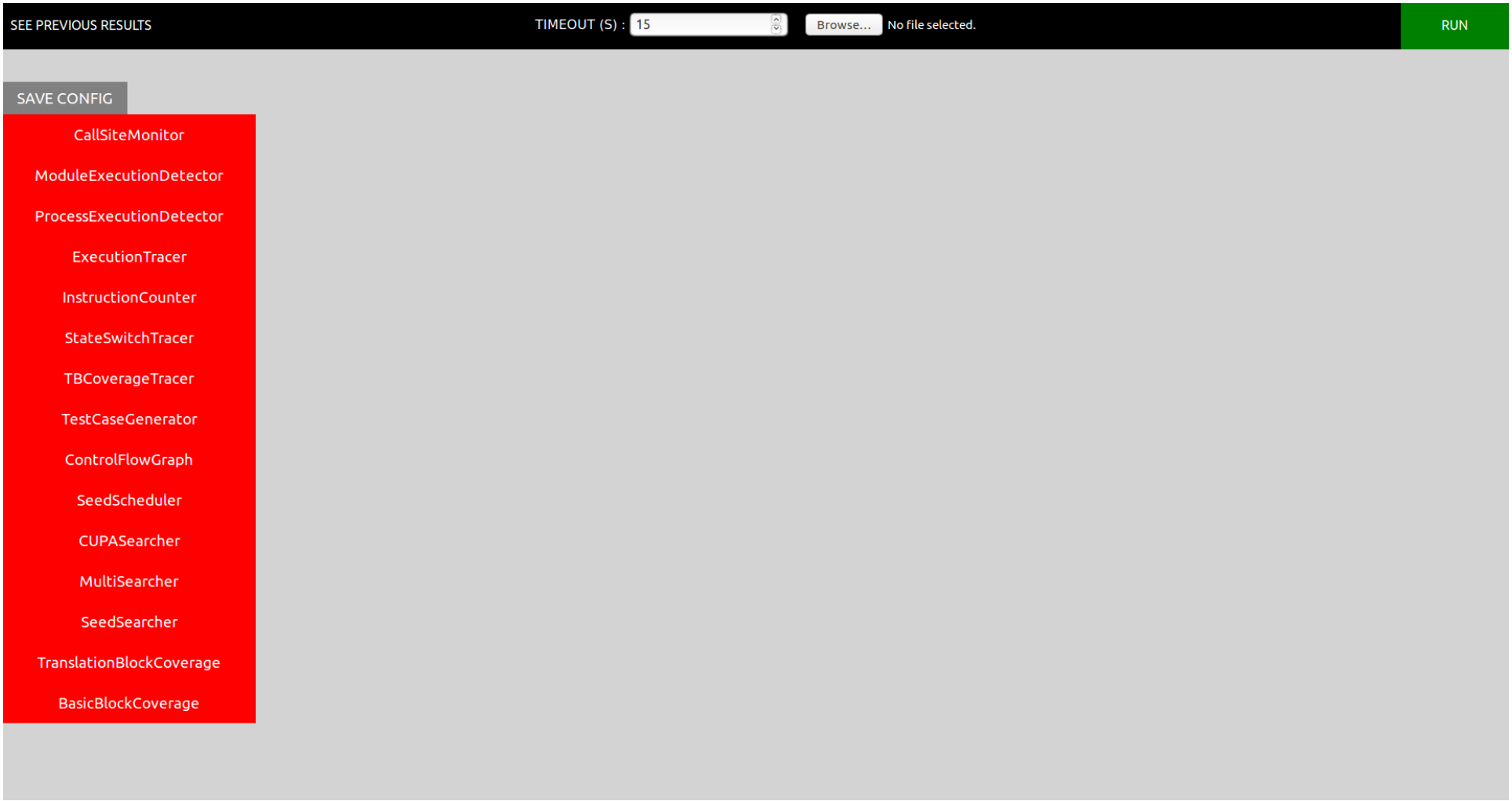
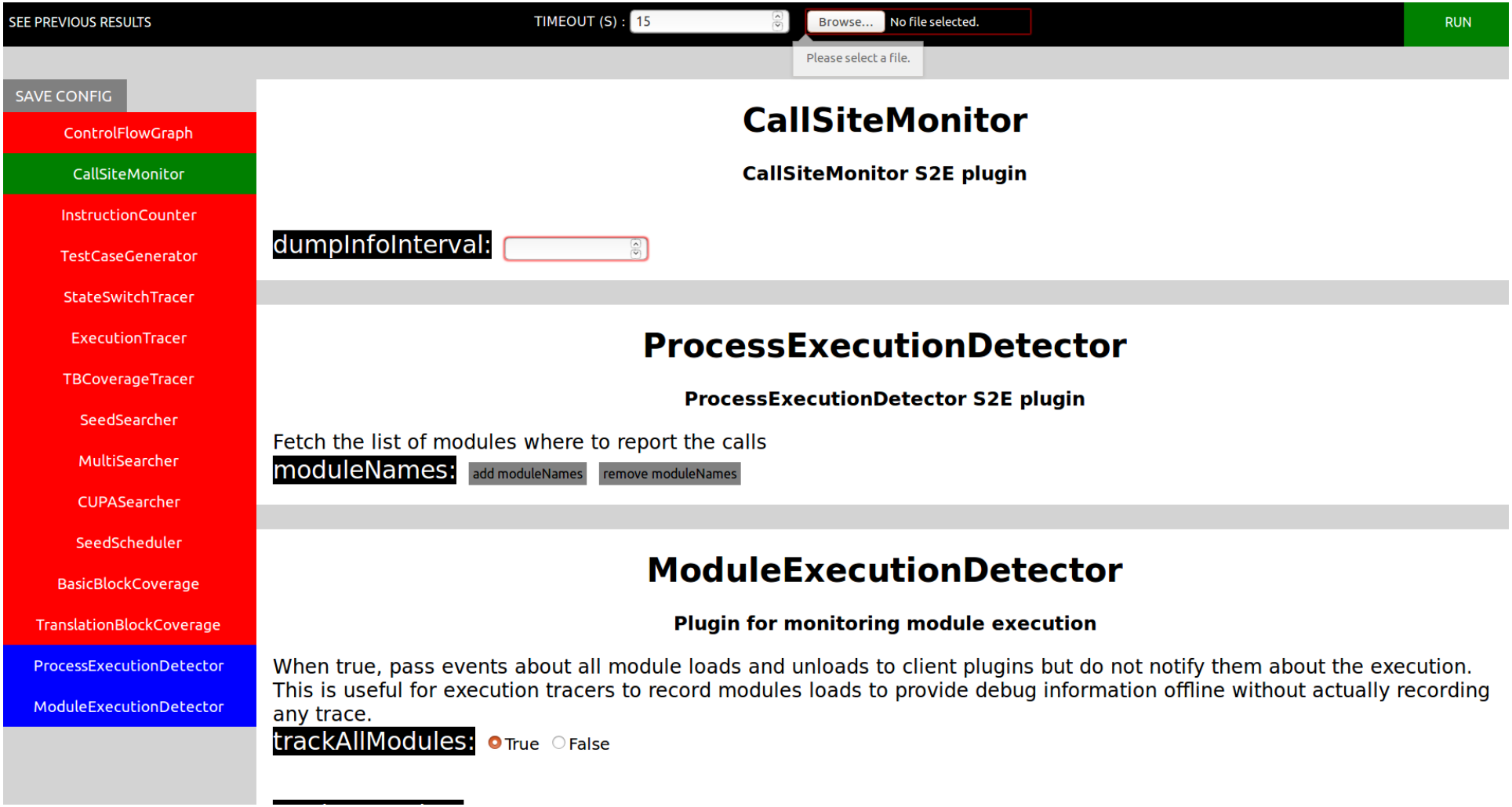
S2E GUI

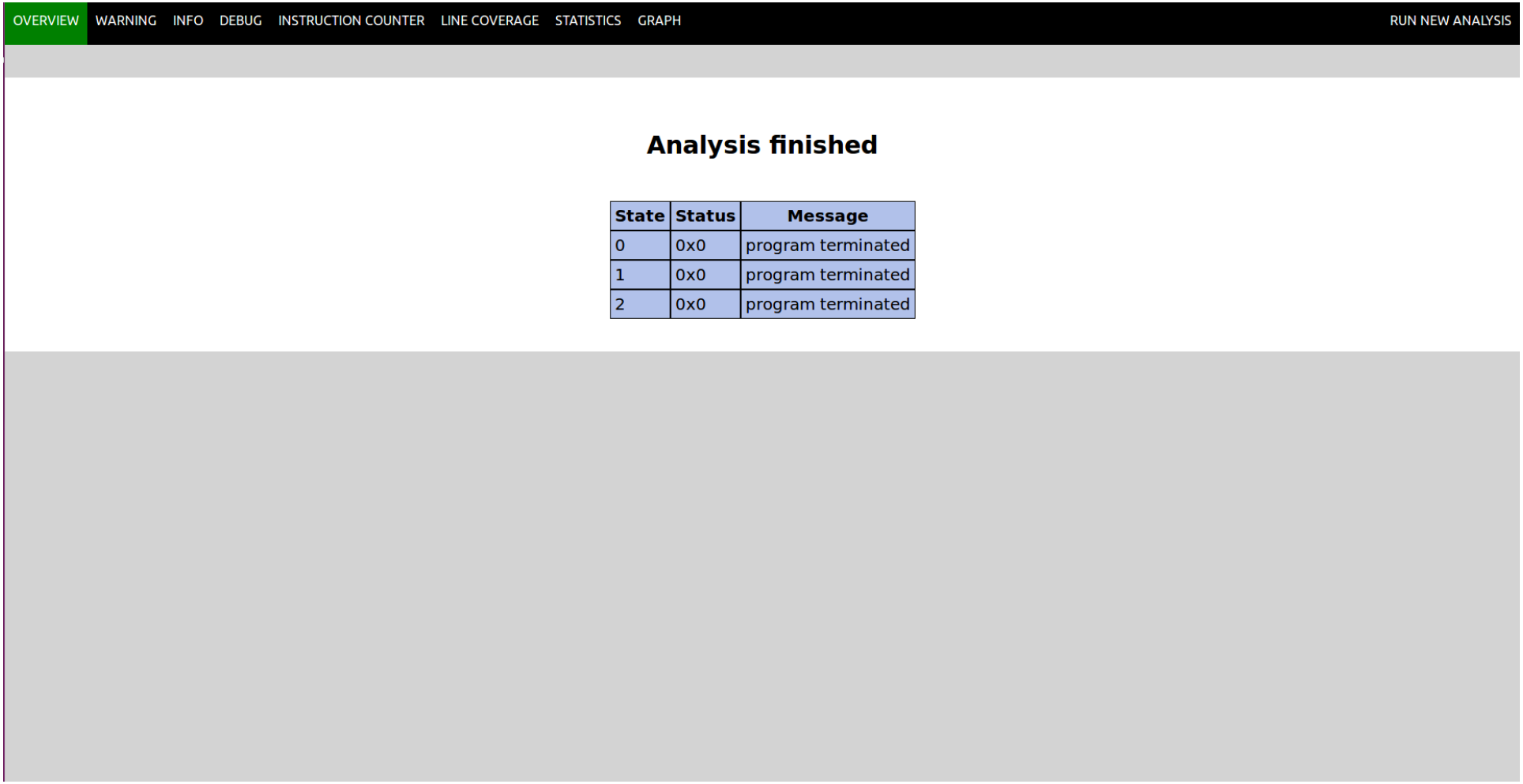

SEE PREVIOUS RESULTS
TIMEOUT (S) :
15
Browse...
No file selected.
RUN
SAVE CONFIG
CallSiteMonitor
ModuleExecutionDetector
ProcessExecutionDetector
ExecutionTracer
InstructionCounter
StateSwitchTracer
TBCoverageTracer
TestCaseGenerator
ControlFlowGraph
SeedScheduler
CUPASearcher
MultiSearcher
SeedSearcher
TranslationBlockCoverage
BasicBlockCoverage

Analysis Configuration



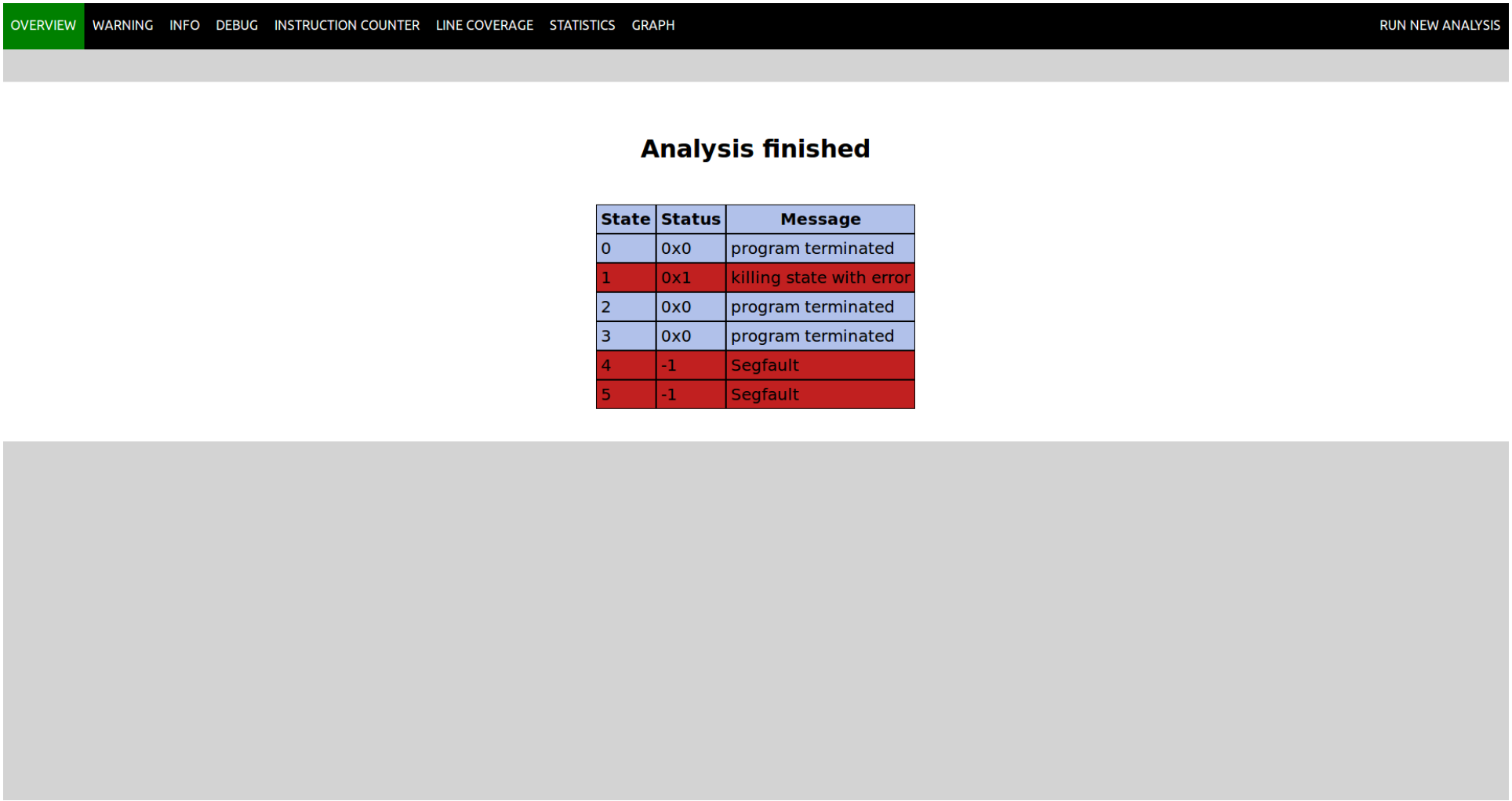
Custom plugin selection
Dynamic error checking
Currently supports following types : Integer, Boolean, String, List of string, List of integer and generic Lists

Analysis Overview



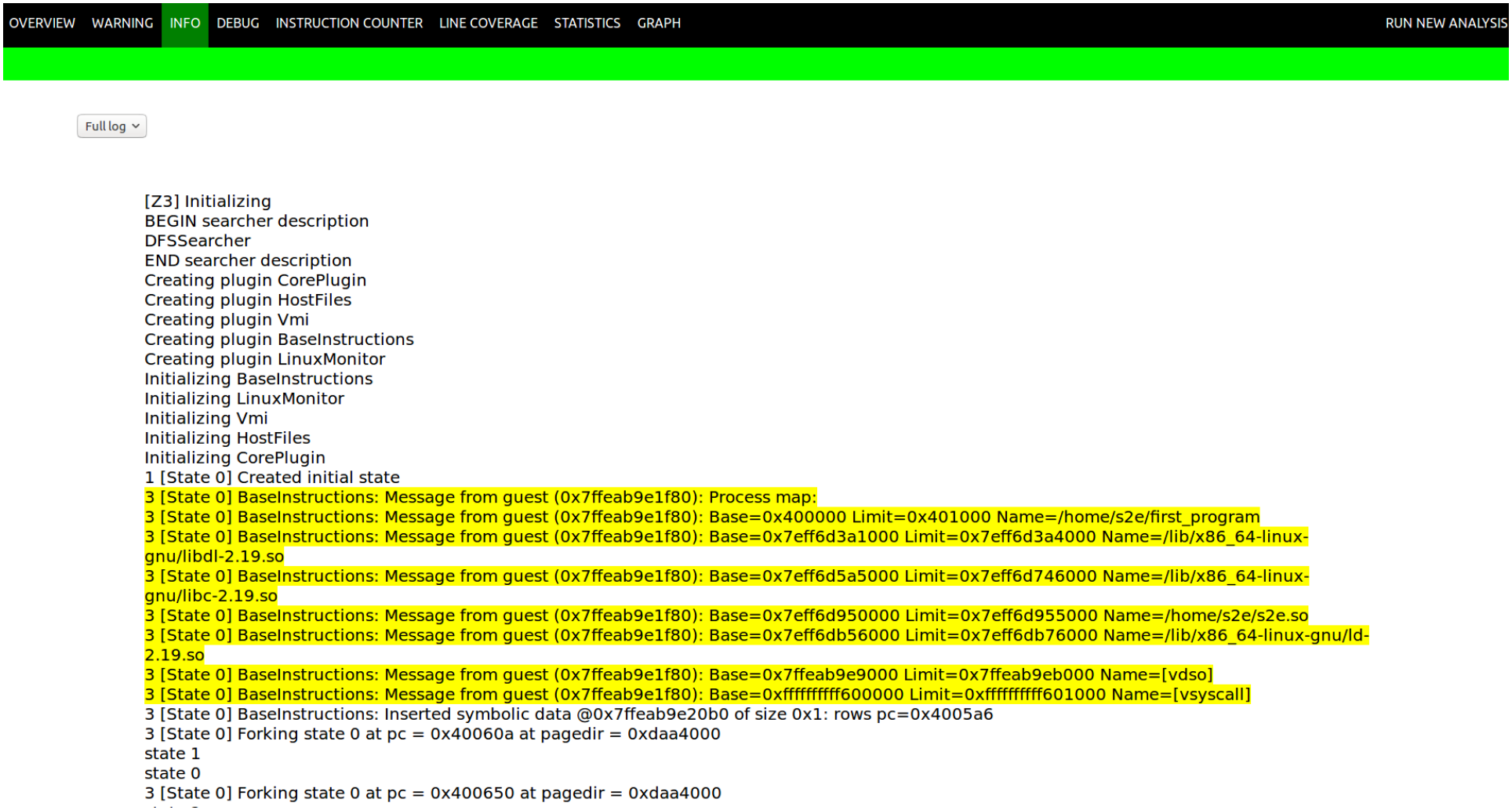
Display the termination status and message of each states.

Analysis Overview



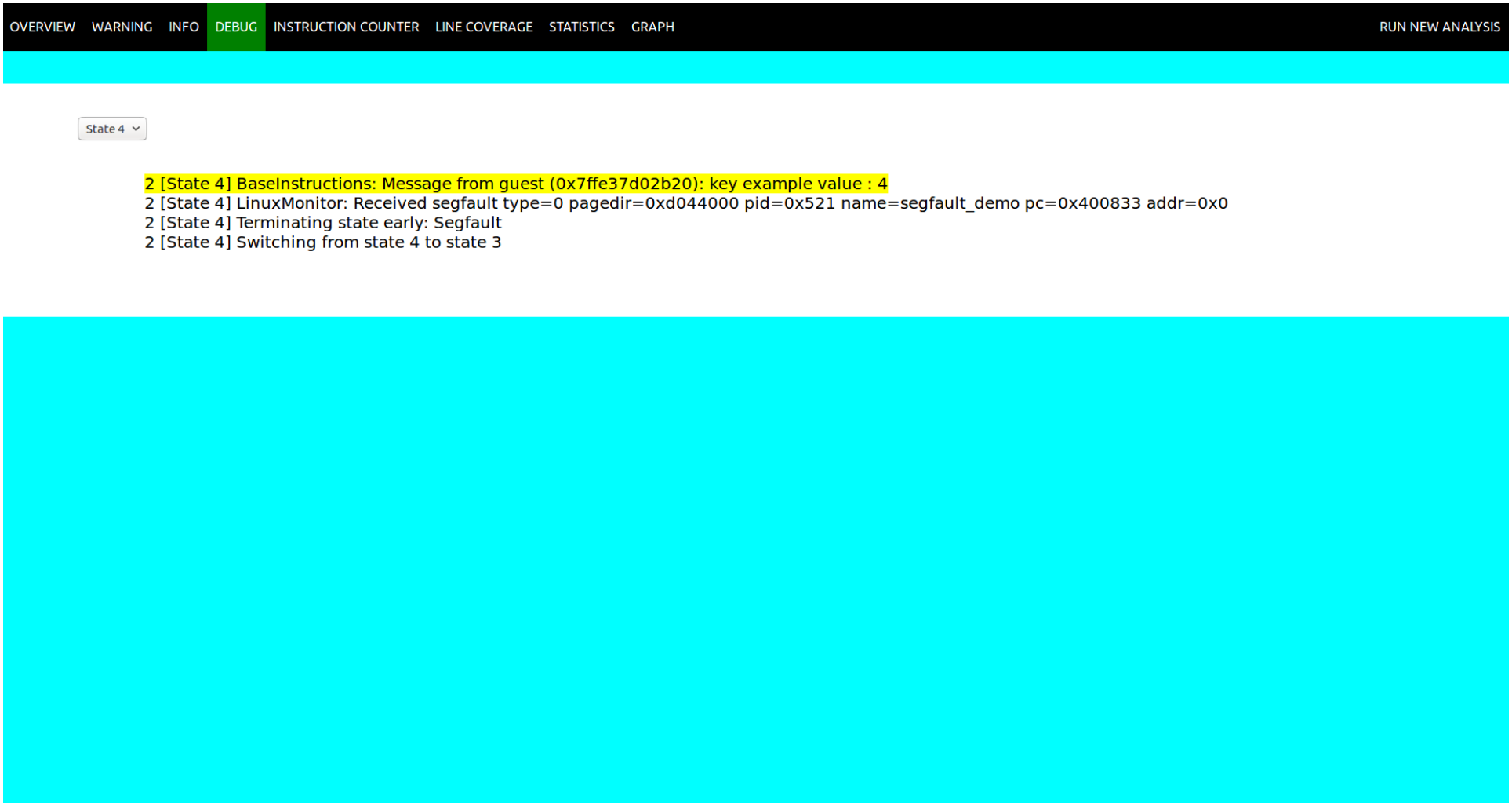
Can be used to quickly find an error.

Analysis Logs



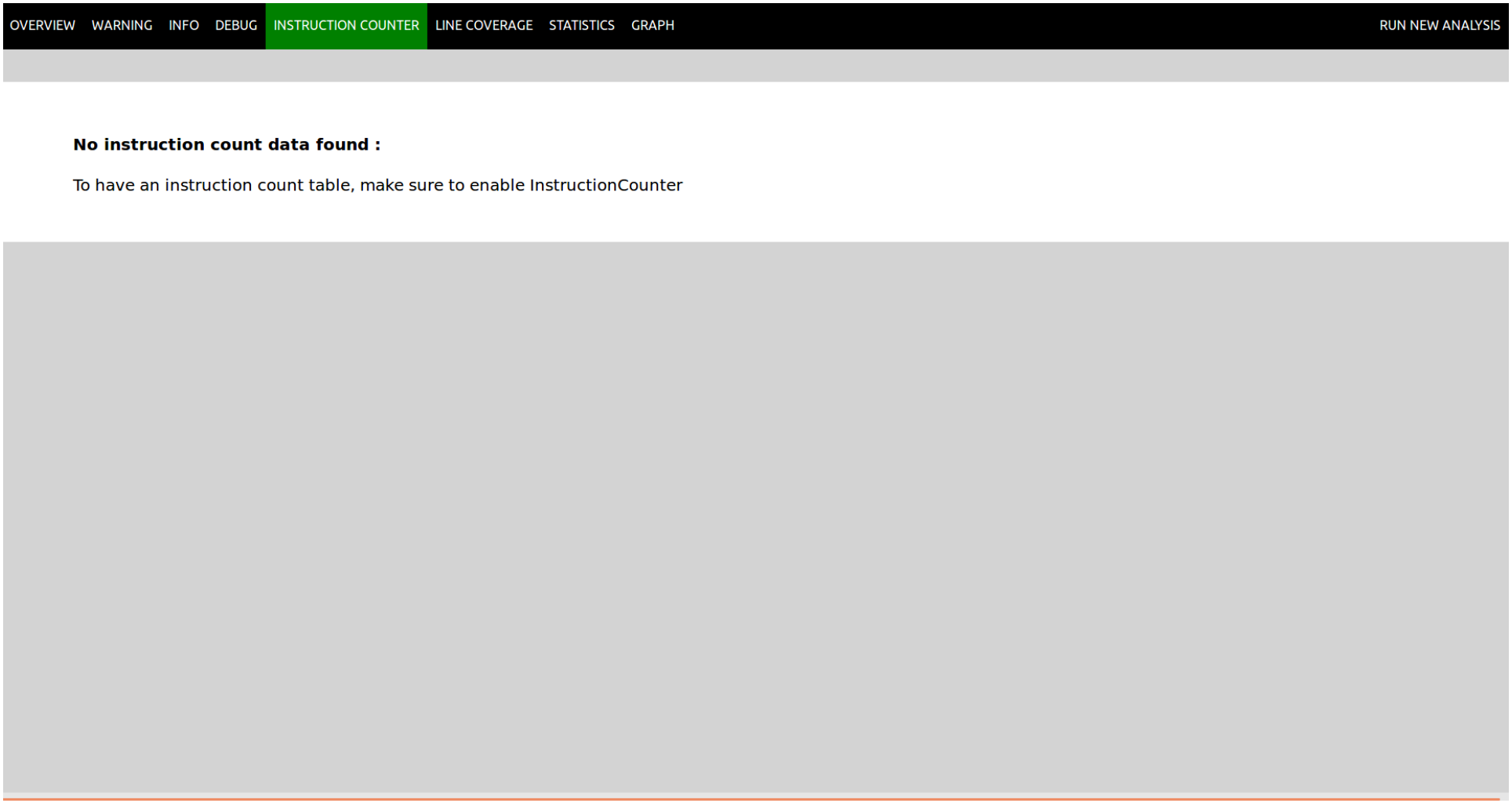
Display Log of analysis.
Message from guest in yellow.

Analysis Logs



Can select the log for a specific state.
Useful to quickly find a message related to a single state.

Plugin specific output



Instruction counter and TranslationBlockCoverage custom output.
They must be enabled to display it.

Instruction Counter

OVERVIEW WARNING INFO DEBUG INSTRUCTION COUNTER LINE COVERAGE STATISTICS GRAPH RUN NEW ANALYSIS

State ID	Instruction count
0	813335
1	812622
2	812708
3	812908
4	813141
5	812554

Count the number of instruction per state.

Line Coverage

OVERVIEW WARNING INFO DEBUG INSTRUCTION COUNTER LINE COVERAGE STATISTICS GRAPH RUN NEW ANALYSIS

LCOV - code coverage report

Current view: top level - Downloads - segfault_demo.c (source / functions)
Test: coverage.info
Date: 2017-06-28 21:02:48

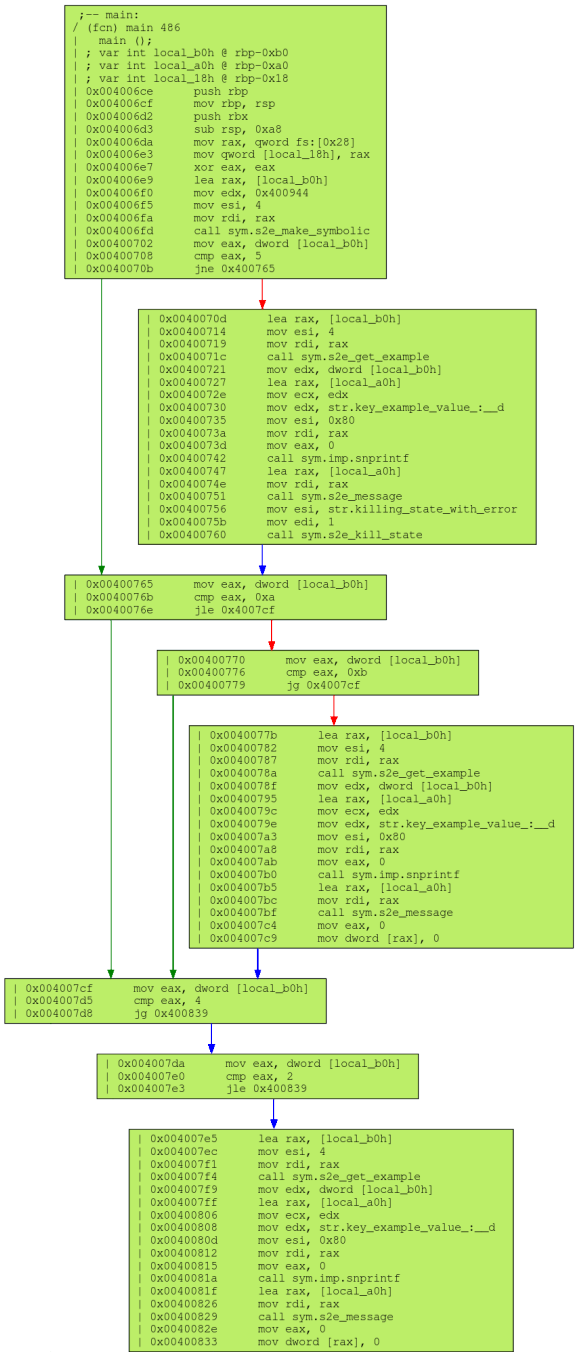
	Hit	Total	Coverage
Lines:	45	49	91.8 %
Functions:	0	0	-

```
      Line data    Source code
    1            : #include <stdio.h>
    2            : #include "include/s2e/s2e.h"
    3            :
    4            : int main()
    5          6 : {
    6            :     int key[1];
    7            :     int i, j;
    8            :      char buf[128];
    9            :
   10          6 :     s2e_make_symbolic(key, sizeof(int), "key");
   11            :
   12          6 :     if(key[0] == 5){
   13          1 :         s2e_get_example(key, sizeof(int));
   14          1 :         snprintf(buf, 128, "key example value : %d", key[0]);
   15          1 :         s2e_message(buf);
   16            :
   17          1 :         s2e_kill_state(1, "killing state with error");
   18            :     }
   19            :
   20          2 :     if(key[0] > 10 && key[0] < 12){
   21          1 :         s2e_get_example(key, sizeof(int));
   22          1 :         snprintf(buf, 128, "key example value : %d", key[0]);
   23          1 :         s2e_message(buf);
   24            :
   25          1 :         *(int*)0 = 0;
   26            :     }
   27            :
   28            :
   29          2 :     if(key[0] < 5 && key[0] > 2){
   30          1 :         s2e_get_example(key, sizeof(int));
   31          1 :         snprintf(buf, 128, "key example value : %d", key[0]);
   32          1 :         s2e_message(buf);
   33            :
   34          1 :         *(int*)0 = 0;
   35            :     }
   36            :
   37          4 :     s2e_get_example(key, sizeof(int));
   38          3 :     snprintf(buf, 128, "key example value : %d", key[0]);
   39          3 :     s2e_message(buf);
   40            :
   41          3 :     s2e_kill_state(0, "program terminated");
   42            :
   43          0 :     return 0;
   44          0 : }
```

Generated by: LCOV version 1.12

Display the line coverage of the code.

Function Graph



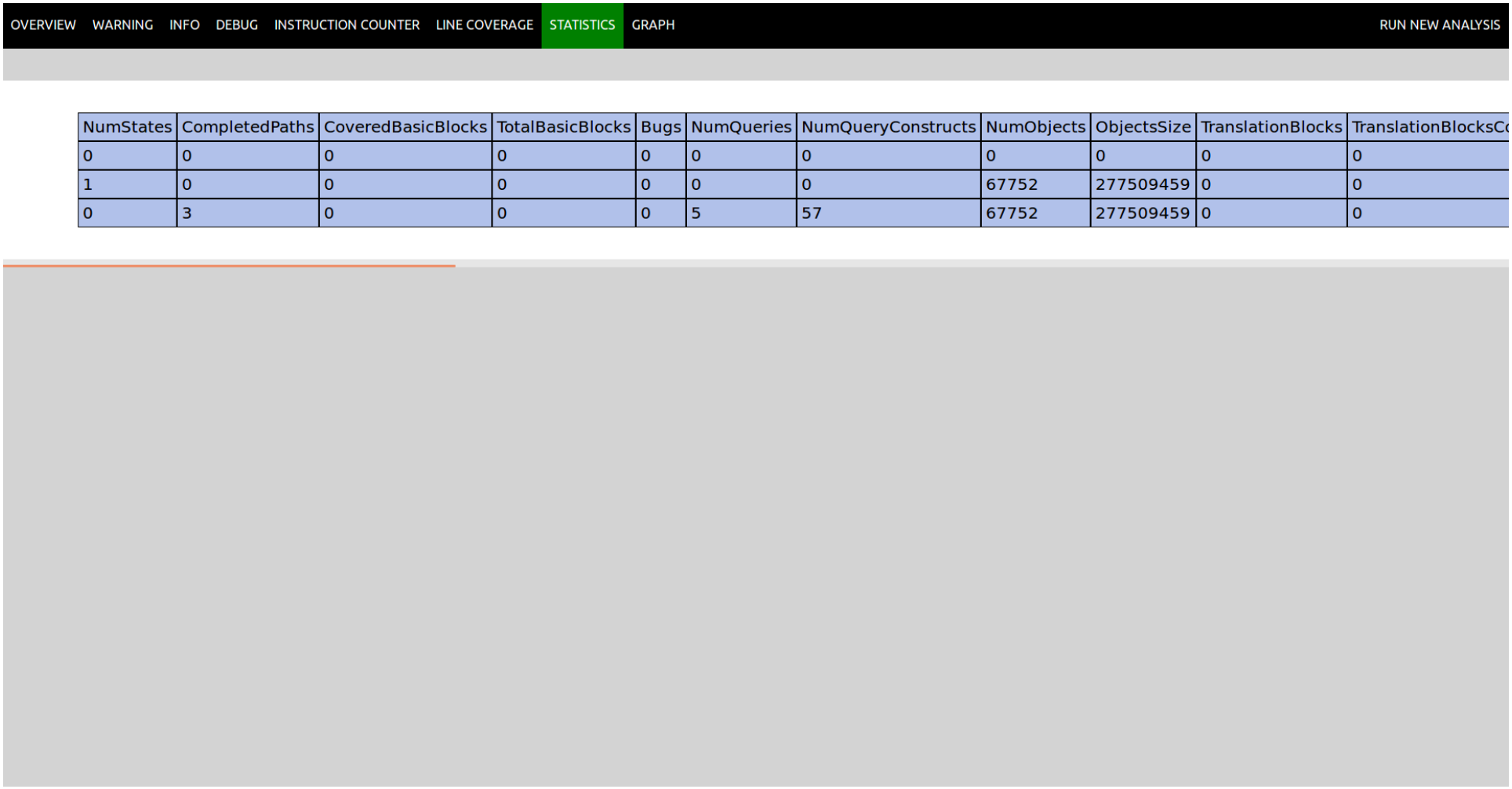
Display the program flow with assembly instruction.

Green arrow for branch if true.

Red arrow for branch if false.

Blue arrow for unconditional jump.

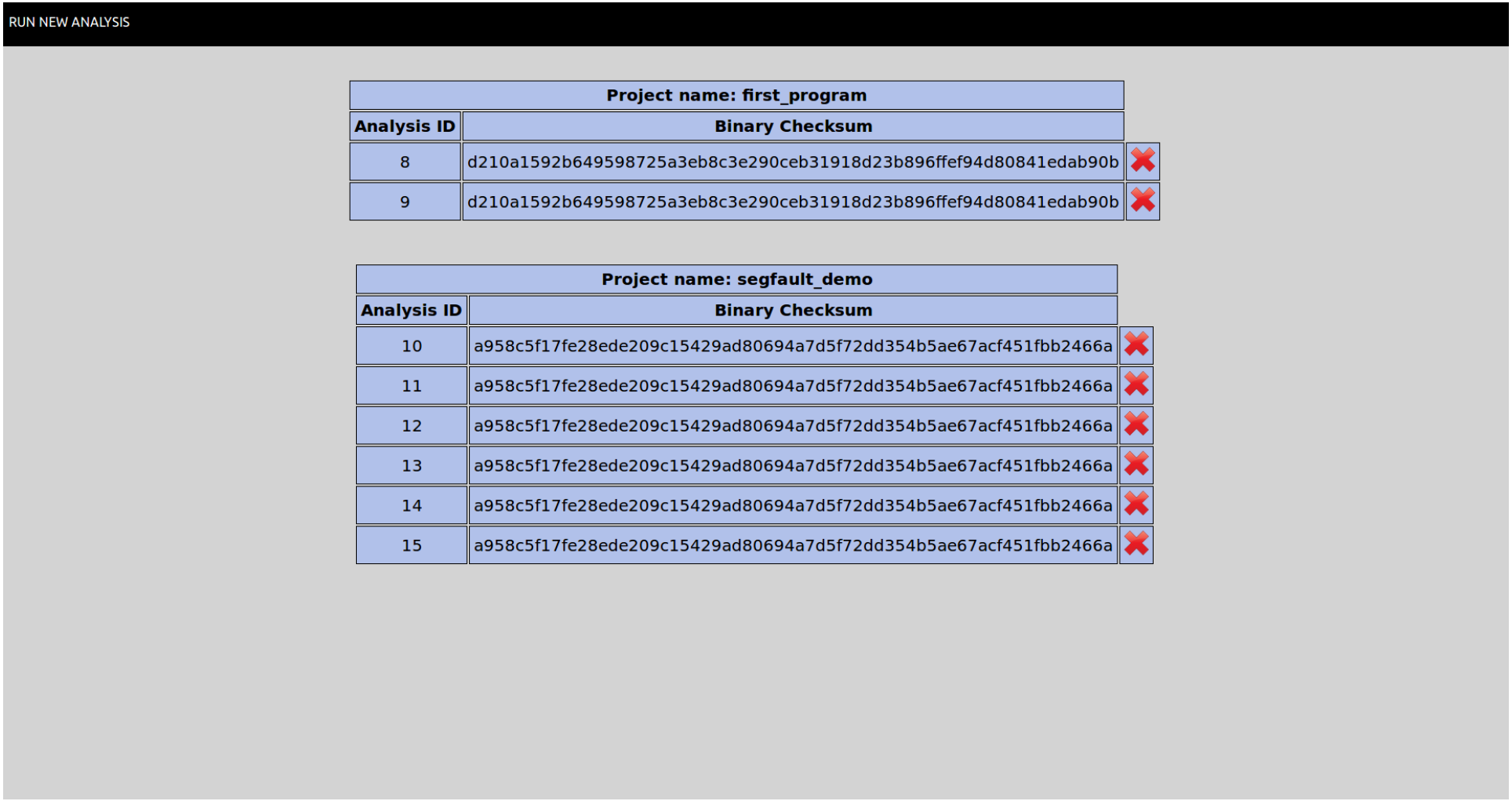
Statistics



NumStates	CompletedPaths	CoveredBasicBlocks	TotalBasicBlocks	Bugs	NumQueries	NumQueryConstructs	NumObjects	ObjectsSize	TranslationBlocks	TranslationBlocksC
0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	67752	277509459	0	0
0	3	0	0	0	5	57	67752	277509459	0	0

Display the statistics provided by s2e.

Analysis Database



Display every analysis the user has run.
Analysis can be displayed by clicking them or deleted with the red x.
Database is linked to the server.