

11 ELF Binary Comparison

Overview

- Binaries
- Resource Consumption
 - Program Storage
 - Static RAM
 - Legend
- Symbols
 - Persisting
 - Disappeared
 - Appeared
 - Similar

Binaries ↩

old: /home/zheyuan/elf_diff/tests/x86_64/sqlelf_diff_test_old

new: /home/zheyuan/elf_diff/tests/x86_64/sqlelf_diff_test_new

Statistics ↩

Program Storage

	Old/ bytes	New/ bytes	Delta/ bytes
overall	2059	2059	0
text	1523	1523	0
data	536	536	0

Static RAM

	Old/ bytes	New/ bytes	Delta/ bytes
overall	544	544	0
data	536	536	0
bss	8	8	0

Legend

text	instructions
data	initialized global or static variables
bss	uninitialized global or static variables

Symbol Classes

Class	Entities
Old	27
New	27
Persisting	23
Disappeared	4
Appeared	4
Similar	6
Migrated	0

Symbol Selection

	Old Binary	New Binary
Total	27	27
Selected	27	27
Dropped	0	0
Selection Regex	.*	.*
Exclusion Regex		

Symbols ↩

Persisting Symbols ↩

Symbol	Type	Old Size/ bytes	New Size/ bytes	Delta/ bytes
_DYNAMIC	OBJECT	0	0	0
_GLOBAL_OFFSET_TABLE_	OBJECT	0	0	0
_IO_stdin_used	OBJECT	4	4	0
__FRAME_END__	OBJECT	0	0	0
__TMC_END__	OBJECT	0	0	0
__abi_tag	OBJECT	32	32	0
__cxa_finalize@GLIBC_2.2.5	FUNC	0	0	0
__do_global_dtors_aux ⓘ	FUNC	0	0	0
__do_global_dtors_aux_fini_array_entry	OBJECT	0	0	0
__dso_handle	OBJECT	0	0	0
__frame_dummy_init_array_entry	OBJECT	0	0	0
__libc_start_main@GLIBC_2.34	FUNC	0	0	0

Symbol	Type	Old Size/ bytes	New Size/ bytes	Delta/ bytes
_fini ⓘ	FUNC	0	0	0
_init ⓘ	FUNC	0	0	0
_start ⓘ	FUNC	38	38	0
completed.0	OBJECT	1	1	0
deregister_tm_clones ⓘ	FUNC	0	0	0
frame_dummy ⓘ	FUNC	0	0	0
main ⓘ	FUNC	15	15	0
_Z11persisting1i	FUNC	14	14	0
_Z11persisting2i	FUNC	14	14	0
register_tm_clones ⓘ	FUNC	0	0	0
var	OBJECT	4	4	0

Columns

Symbol	The symbol name (possibly mangled)
Type	The symbol type (see the documentation of binutils tool nm for more information)
Old Size	The old symbol size either in RAM or program memory
New Size	The new symbol size either in RAM or program memory
Delta	The change to symbol size

Disappeared Symbols ↩

Symbol	Type	Size/ bytes
_ZN4Test1gEff	FUNC	25
_ZN4Test1fEii	FUNC	17
_Z4funci	FUNC	14
_ZN4Test2m_E	OBJECT	4

Columns

Symbol	The symbol name (possibly demangled)
Type	The symbol type (see the documentation of binutils tool nm for more information)
Size	The symbol size either in RAM or program memory

New Symbols ↩

Symbol	Type	Size/ bytes
_ZN5Test11gEff	FUNC	25
_ZN5Test11fEii	FUNC	17
_Z4funcd	FUNC	16
_ZN5Test12m_E	OBJECT	4

Columns

Symbol	The symbol name (possibly demangled)
Type	The symbol type (see the documentation of binutils tool nm for more information)
Size	The symbol size either in RAM or program memory

Similar Symbols ↩

Id	Symbols	Types	Sizes/ bytes	Deltas/ bytes	Sig. Sim./ %	Instr. Sim./ %
0	_ZN4Test1gEff	FUNC	25	0	97.7	100.0
	_ZN5Test11gEff	FUNC	25			
1	_ZN4Test1fEii	FUNC	17	0	97.1	100.0
	_ZN5Test11fEii	FUNC	17			
2	_ZN4Test2m_E	OBJECT	4	0	94.1	100.0
	_ZN5Test12m_E	OBJECT	4			
3	_ZN4Test1fEii	FUNC	17	8	61.5	100.0
	_ZN5Test11gEff	FUNC	25			

Id	Symbols	Types	Sizes/ bytes	Deltas/ bytes	Sig. Sim./ %	Instr. Sim./ %
4	<code>_ZN4Test1gEfff</code>	FUNC	25	-8	61.5	100.0
	<code>_ZN5Test11fEii</code>	FUNC	17			
5	<code>_Z4funci</code>	FUNC	14	2	57.1	100.0
	<code>_Z4funcd</code>	FUNC	16			

Columns

ID	Integer id assigned to each symbol pair
Symbols	The two similar symbol names (possibly mangled)
Types	The symbol types (see the documentation of binutils tool nm for more information)
Sizes	The sizes of the symbols either in RAM or program memory
Deltas	The difference in symbol size
Sig. Sim.	Lexicographic symbol signature similarity
Instr. Sim.	Instruction similarity of the symbols' assembly code

Symbol Details ↩

Persisting Symbols ↩

Persisting symbol `__do_global_dtors_aux` : old size: 0 bytes, new size: 0 bytes, delta: 0 bytes

Old source: ?

New source: ?

Instructions unchanged

Persisting symbol `_fini` : old size: 0 bytes, new size: 0 bytes, delta: 0 bytes

Old source: ?

New source: ?

Instructions unchanged

Persisting symbol `_init` : old size: 0 bytes, new size: 0 bytes, delta: 0 bytes

Old source: ?

New source: ?

Instructions unchanged

Persisting symbol `_start` : old size: 38 bytes, new size: 38 bytes, delta: 0 bytes

Old source: ?

New source: ?

Instructions unchanged

Persisting symbol `deregister_tm_clones` : old size: 0 bytes, new size: 0 bytes, delta: 0 bytes

Old source: ?

New source: ?

Instructions unchanged

Persisting symbol `frame_dummy` : old size: 0 bytes, new size: 0 bytes, delta: 0 bytes

Old source: ?

New source: ?

Instructions unchanged

Persisting symbol `main` : old size: 15 bytes, new size: 15 bytes, delta: 0 bytes

Old source: ?

New source: ?

Instructions unchanged

Persisting symbol [register_tm_clones](#) : old size: 0 bytes, new size: 0 bytes, delta: 0 bytes

Old source: ?

New source: ?

Instructions unchanged

Disappeared Symbols [↩](#)

New Symbols [↩](#)

Similar Symbols [↩](#)

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