

QNX Application Profiler - malloc_chk.c - QNX Momentics IDE

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Application Profiler x Debug Navigator

- testMallocPerformance
 - libc.so.2
 - Unknown
 - <terminated>/tmp/libmalloc/testMallocPerformance or
 - <disconnected><terminated>testMallocPerformance (+Ma
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 - f() <disconnected>QNX Application Profiler
 - testMallocPerformance
 - libc.so.2
 - <terminated>/tmp/libmalloc/testMallocPerformance or

Thread Processor Usage

Thread ID

Thread #1

Sampling Information x Call Information

Function	Total Time (s)	% Time Usage
find_malloc_ptr	1.860	83%
DB_compute_crc_32	0.128	5%
malloc_check_str	0.082	3%
find_malloc_range	0.022	0%
allocateTree	0.017	0%
DBstrcmp	0.012	0%
malloc_verify	0.008	0%
insertTree	0.008	0%
__malloc_getflistptr	0.006	0%
debug_allocator	0.005	0%
find_malloc_area	0.005	0%
__prelocked_free	0.004	0%
malloc_check_guard	0.004	0%
DBFree	0.003	0%
_smp_cmpxchg	0.003	0%
unknown (0x0804abe4)	0.002	0%

malloc_chk.c x

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```

07.87%	0.147 s	<code>int func2(int var) {</code>
06.69%	0.125 s	<code>int p = sqrt((double)var);</code>
00.96%	18.000 ms	<code>return var - p*p;</code>
00.11%	2.000 ms	<code>}</code>
01.07%	20.000 ms	<code>void test(){</code>
		<code>int var, sum;</code>
		<code>func1();</code>
00.32%	6.000 ms	<code>for (var = 10; var < 15; ++var) {</code>
00.21%	4.000 ms	<code>sum+=func2(var);</code>
		<code>}</code>
00.11%	2.000 ms	<code>printf("result=%d\n", sum);</code>
00.37%	7.000 ms	<code>}</code>