

```
sudo dtrace -c $BUILD_DIR/example -s rt_check.d
```

rt_check.d

```
pid$target::syscall:entry,
```

```
pid$target::malloc:entry,  
pid$target::free:entry,
```

```
pid$target::pthread_*:entry,
```

```
pid$target::stat*:entry,  
pid$target::stat64*:entry,  
pid$target::fstat*:entry,  
pid$target::fstat64*:entry,  
pid$target::*write*:entry,  
pid$target::read*:entry
```

```
/curthread->sched_pri>=47/  
{  
    ustack();  
}
```

7 474480 pthread_mutex_destroy:entry
libsystem_pthread.dylib`pthread_mutex_destroy
libc++.1.dylib`std::__1::mutex::~~mutex()+0x18
example_external`main::\$_0::operator>()() const+0x5c
example_external`decltype(std::declval<main::\$_0>())() std::__1::__invoke[abi:ue170006]<main::\$_0>(main::\$_0&&)+0x18
example_external`void std::__1::__thread_execute[abi:ue170006]<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>>>+0x10
example_external`void* std::__1::__thread_proxy[abi:ue170006]<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>>>+0x10
libsystem_pthread.dylib`_pthread_start+0x88
libsystem_pthread.dylib`thread_start+0x8

7 474465 free:entry
libsystem_malloc.dylib`free
example_external`std::__1::default_delete<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>>>+0x10
example_external`std::__1::unique_ptr<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>>>+0x10
example_external`std::__1::unique_ptr<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>>>+0x10
example_external`std::__1::unique_ptr<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>>>+0x10
example_external`void* std::__1::__thread_proxy[abi:ue170006]<std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>, std::__1::tuple<std::__1::unique_ptr<std::__1::__thread_struct, std::__1::default_delete<std::__1::__thread_struct>>>>+0x10
libsystem_pthread.dylib`_pthread_start+0x88
libsystem_pthread.dylib`thread_start+0x8

7 474465 free:entry
libsystem_malloc.dylib`free
libc++.1.dylib`std::__1::__thread_struct::~~__thread_struct()+0x24
libc++.1.dylib`std::__1::__thread_specific_ptr<std::__1::__thread_struct>::__at_thread_exit(void*)+0x14
libsystem_pthread.dylib`_pthread_tsd_cleanup+0x1e8
libsystem_pthread.dylib`_pthread_exit+0x54
libsystem_pthread.dylib`_pthread_start+0x94
libsystem_pthread.dylib`thread_start+0x8

7 474465 free:entry
libsystem_malloc.dylib`free
libsystem_pthread.dylib`_pthread_tsd_cleanup+0x1e8
libsystem_pthread.dylib`_pthread_exit+0x54
libsystem_pthread.dylib`_pthread_start+0x94
libsystem_pthread.dylib`thread_start+0x8