

```
`malloc`  
    get_file_size()  
  
`free`  
    get_file_size()  
  
`malloc`  
    do_malloc_free()  
  
`free`  
    do_malloc_free()  
  
`malloc`  
    do_vector_reserve()  
  
`free`  
    do_vector_reserve()  
  
`pthread_mutex_lock`  
    do_mutex_lock_unlock(std::mutex&)  
  
`pthread_mutex_unlock`  
    do_mutex_lock_unlock(std::mutex&)  
  
`malloc`  
    do_read_file()
```

```
`malloc`  
    do_read_file()  
  
`malloc`  
    do_read_file()  
  
`malloc`  
    do_read_file()  
  
`fwrite`  
    do_read_file()  
  
`free`  
    do_read_file()  
  
`fclose`  
    do_read_file()  
  
`free`  
    do_read_file()  
  
`free`  
    do_read_file()  
  
`free`  
    do_read_file()
```

Disabling RTSan

(From GitHub)

```
__attribute__((no_sanitize("realtime")))  
void mutex_unlock_uncontended (std::mutex& m)  
{  
    m.unlock();  
}  
  
[[clang::realtime]] float process (float x)  
{  
    ...  
    mutex_unlock_uncontended(m); // I know this is always uncontended, thus real-time safe!  
    ...  
}
```