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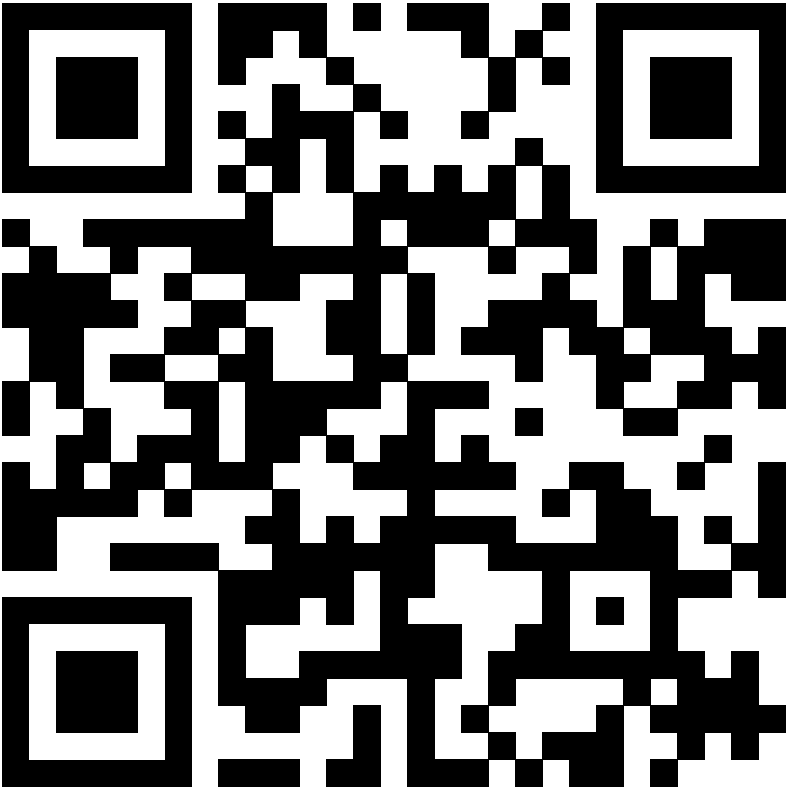
```
[[clang::realtime]] void run_rt_thread()
{
    get_file_size();
    do_malloc_free();
    do_vector_reserve();
    do_mutex_lock_unlock (m);
    do_read_file();
};
```

CMakeLists.txt:

```
target_compile_options(example PUBLIC
    -fsanitize=realtime)

target_link_options(example PUBLIC
    -fsanitize=realtime)
```

github.com/realtime-sanitizer/radsan



RTSan - Realtime Sanitizer

```
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    -fsanitize=realtime)

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    -fsanitize=realtime)
```

RTSan - Realtime Sanitizer

github.com/realtime-sanitizer/radsan

RADSan:
A REAL TIME-SAFETY SANITIZER

ADC23

ALI BARKER
DAVID TREVELYAN

Memory Allocation

malloc, calloc

realloc, reallocf,

valloc, alligned_alloc

free

posix_memalign

Threads & Sleep

pthread_create, pthread_join

pthread_mutex_lock, pthread_mutex_unlock

pthread_cond_signal, pthread_cond_broadcast etc…

pthread_rwlock_rdlock, pthread_rwlock_unlock etc…

OSSpinLockLock, os_unfair_lock_lock

sleep, usleep, nanosleep

Filesystem, Streams

open, openat, creat, close,

fopen, fopenat, fclose, fread, fwrite

puts, fputs

Sockets

socket

send, sendto, sendmsg

recv, recvfrom, recvmsg

shutdown