```
log data
     + level
     + msa
     + time_stamp_ms
                #log_buf
              log
# log level
# read index
# write index
# callback_func
# user_obj
# missed log event cnt
+ log()
+ ~log()
+ set_log_level()
+ post_log_msg()
+ post_log_event()
+ set_log_callback()
+ missed_log_event_count()
           log_imp
   - h thread

    log_waiting

   thread

    h thread

    thread id

    poll events

    log waiting

   + log_imp()
   + ~log_imp()
   + post_log_event()
   + log_imp()
   + ~log_imp()
+ post_log_event()
   + log_imp()
   + ~log imp()
   + post_log_event()
   logging_thread_init()

    dispatch callbacks()

    logging thread init()

    proc logging thread

    callback()
   - logging_thread_init()
   dispatch_callbacks()
   dispatch thread()
   proc_logging_thread()
   dispatch thread()
```