```
log
# loa level
# read index
# write index
# callback func
# user obj
# missed_log_event_cnt
# log buf
+ log()
+ ~log()
+ set log level()
+ post log msg()
+ post log event()
+ set_log_callback()
+ missed log event count()
           Λ
           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()
```