

## *Miscellaneous*

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## 1 Introduction

**What:** Miscellaneous stuffs.  
This library is located at:

- *libLDA/include/misc/*
- *libLDA/misc/*

## 2 API

### 2.1 Log

“TestLog” class was used to dump log into memory. It is now change in order to use **syslog** daemon.

### 2.2 Thread

We provide a way to manage a secondary thread with fifo priorities.

### 2.3 Ring buffer

We provide ring buffer to share continus memory space between the 2 threads.

## 3 Compilation

### 3.1 Flags

Pre-compilation flags:

- **DEBUG\_THREAD**: debugging messages about threads.
- **DEBUG\_TUNING**: help to optimize basic’s pcap parameters and run’s buffer sizes.

*/include/misd/all.h:*

```
/* Constants values */  
#define DEBUG_THREAD 0  
#define DEBUG_TUNING 0
```

## 4 Unitary tests

```
# libLDA/misc/utLlrLog
[log.cc:45] INFO: Log info message
[log.cc:46] WARNING: Log warning Message
[log.cc:47] ERROR: Log error message
```

```
# libLDA/misc/utThread
1: start
1: thread :)
1: thread :)
1: thread :)
1: stop
2: start
2: thread :) <-- ^C pressed
2: thread :)
2: stop
Will exit soon
```

```
# libLDA/misc/utAcbsm
[*           ]
try to add 3 items ...
add 3 items [x..+           ]
try to del 2 items ...
del 2 items [ x+           ]
...
```