

# State of the Tracers LTTng Update

# New Features LTTng 2.10 (KeKriek) 2017-08-01

- Multi-wildcard support for event name and filtering strings,
- New trigger and notification API
  - Buffer usage conditions,
- Embedded man pages configuration option,
- LTTng-UST blocking mode,
- LTTng-modules for Linux 4.10, 4.11, 4.12, 4.13,
- Extended socketpair(2) syscall tracing data.

# Upcoming Features for LTTng 2.11

- Trace bandwidth monitoring,
- Uprobes instrumentation from kernel tracer,
- Session rotation,
  - Similar to log rotation, for trace output,
  - Enables chunk-wise:
    - Trace data transport, integration with external message-passing infrastructures, compression, encryption, ...
- User-space and kernel stack dump from kernel tracer (if sufficient testing).
- Filter on array/sequence index, with bitwise ops (&, |, ^, ~, <<, >>).