



EfficiOS - May 2015 LTTng Update

LTTng Progress in 2015

- LTTng 2.6 (01/2015)
 - LTTng MI (Machine Interface),
 - Java Log4j support,
 - Kernel tracer per system call tracing,
 - Kernel tracer system call content (input/output) fetching,
 - Tracing NMI handlers (with Linux 3.17 or better).

LTTng Progress in 2015

- LTTng 2.7 (approx. 07/2015)
 - Persistent memory UST ring buffer
 - pramfs (out of tree), or
 - DAX (Linux 4.0) and pmem driver (upcoming Linux 4.1)
 - Either BIOS does not reset memory on soft reboot, or use kexec(8)
 - Allows recovering user-space traced when system crash with new lttng-crash tool.

LTTng Progress in 2015 (cont.)

- LTTng 2.7 (approx. 07/2015)
 - LTTng filtering for kernel domain,
 - Per-process user-space and kernel tracing,
 - Wildcards for kernel tracepoints,
 - LTTng modules clock plugin support,
 - LTTng UST clock and getcpu plugin support,
 - LTTng Python logger support,

Babeltrace Roadmap

- Babeltrace 2.0 (approx. 07/2015)
 - Plugin system overhaul,
 - Intermediate Representation,
 - Event filtering.

Projects

- Lttng-analyses
 - <https://github.com/lttng/lttng-analyses>
- Latency tracker
 - https://github.com/jdesfossez/latency_tracker
- Integration between analysis scripts and GUI
- Blog posts <http://lttng.org/blog>

Projects and Events

- Babeltrace
- Trace Compass
- CI
- UST/Babeltrace symbol lookup (DWARF)
- Diagnostic and Monitoring Workgroup
 - <http://diamon.org>
- Tracing Summit
 - <http://tracingsummit.org>

Questions ?



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