EfficiOS Projects Status Update and Roadmap
Content

• Project updates for 2017:
  - LTTng
  - Babeltrace
New LTTng Features (2.10)

LTTng is a low-overhead Linux kernel and user-space tracer

- Multiple wildcards support for event names and filter strings
- Overload Regulation API
New LTTng Features (2.11)

LTTng is a low-overhead Linux kernel and user-space tracer

- Session rotation
The Babeltrace project provides a library, Python bindings, as well as a command-line tool to view and convert traces. It is a reference implementation of the Common Trace Format (CTF).

- Babeltrace 2, coming... soon
Babeltrace Project Update (2017)

• Babeltrace 2.0
  − Trace Intermediate Representation,
  − Modular source/filter/sink architecture,
  − Plugin architecture,
  − C/C++/Python APIs,
  − Allows analyses to read live traces,
  − CTF 1.8 source/sink (reader/writer),
  − Trace cut feature,
  − Multi-clock support (e.g. Epoch time and BFN clock).
Links

LTTng:
http://lttng.org

LTTng analyses scripts:
https://github.com/lttng/lttng-analyses

Latency tracker:
https://github.com/efficios/latency-tracker

barectf:
https://github.com/efficios/barectf

TraceCompass:
http://tracecompass.org/

Babeltrace
http://diamon.org/babeltrace

Common Trace Format
http://diamon.org/ctf