

# LTTng 2.0 and LTTngTop

## Current Status



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# Content

- Main goals reminder
- Architecture
- Current status
- Future work
- Demos

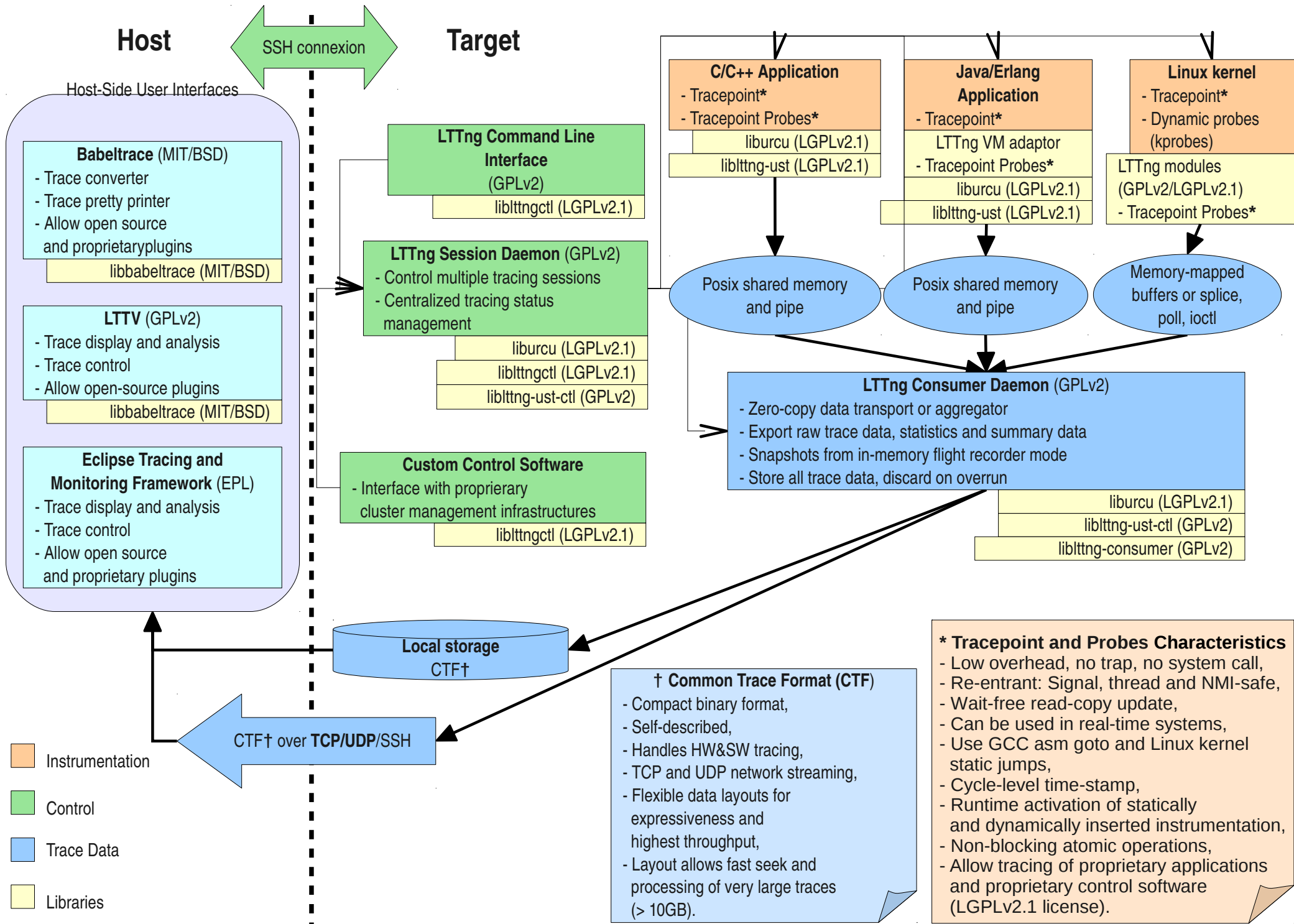


# LTTng 2.0: Main goals

- Unified interface for kernel and userspace
- Common Trace Format (CTF) suitable for software and hardware tracers
- Improve the user experience
- Remove the need for kernel patches, to ease the integration into distributions



# LTTng 2.0 Low-Overhead Tracing Architecture



# Current Status

- Kernel tracing:
  - Context
  - Syscall
  - Kprobes
  - Function tracer
- Userspace:
  - Loglevel
  - Wildcard activation
  - Automatic application registration
  - Automatic tracepoint activation on registration



# Current Status (2)

- Viewers:
  - Babeltrace
  - LTTngTop
    - cputop, perftop, lotop
    - offline, live
- Distributions
  - Daily packages in LTTng Ubuntu PPA



# Demos

LTTng 2.0  
LTTngTop



# Future plans

- New prerelease bundle with UST next week
- Networked consumer
- Trace clock (Kernel infrastructure + CTF description)
- System wide per user buffer for UST
- Data aggregation
- Statedump
- LTTV

