
Debugging and Profiling Qt Applications on Linux

created on October 01, 2018

The logo for KDAB, featuring a stylized white lightning bolt icon to the left of the text "KDAB" in a white, sans-serif font, all contained within a blue rectangular background with a white diagonal cutout at the bottom-left corner.

KDAB

The Qt, OpenGL and C++ Experts

Debugging Qt Applications

- Debug Symbols, Compiler Optimizations
- Testing
- Code Coverage
- Logging
- Tracing
- Debugger
- GammaRay
- Valgrind
- Sanitizers
- Assertions
- Static Code Analysis

Profiling Qt Applications

- Introduction
- Manual Timing
- Linux Perf
- VTune
- Valgrind Profiling Tools
- Heaptrack
- LTTng
- QML Profiling
- OpenGL

Appendix

- Tracing
- Instrumentation
- Sampling
- Performance Counters
- Backtraces
- Other Notes
- Further Reading
- Testing Qt Applications