Debugging and Profiling Qt Applications on Linux

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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