

Debugging and Profiling Qt Applications

Material based on Qt 5.6

The logo for AKDAB, featuring a stylized blue 'A' with a lightning bolt and wavy lines, followed by the letters 'K', 'D', 'A', and 'B' in a blue, sans-serif font.

Debugging Qt Applications

- Testing
- Code Coverage
- Logging
- Tracing
- Debugger
- GammaRay
- Valgrind
- Sanitizers
- Assertions
- Static Code Analysis

Profiling Qt Applications

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

Appendix

- Build Setup
 - Debug Symbols
 - Compiler Optimizations
 - Building for Debugging
 - Building for Profiling
- Tracing
- Instrumentation
- Sampling
- Performance Counters
- Backtraces
- Testing Qt Applications
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 - QTestLib
 - Testing C++ Code
 - Benchmarking C++ Code
 - Testing and Benchmarking QML