

Tracing and Analysis Features for TriCore/ MCDS/ AURIX™ with Lauterbach TRACE32 - Live Online Training

Ziele - Ihr Nutzen

This training addresses those who want to extend their knowledge of debugging with the Lauterbach TRACE32 toolchain by various tracing techniques. Both generic functions (software-based) and specific applications (hardware-supported trace unit based on the AURIX™ microcontroller platform) are highlighted and demonstrated, also in the context of the Lauterbach scripting language Practice. The training moreover covers flexible analysis features for an efficient evaluation of the recorded data. Attendees work on fully functional target platforms enabling them to directly apply and reproduce what they just learned.

Teilnehmer

Hardware and software developers, test engineers, verification engineers, application engineers, integrators, fault analysts

Voraussetzungen

Basic knowledge of the AURIX™ microcontroller architecture. Basic knowledge of TRACE32 (ideally, obtained in our training "Multicore Debug for TriCore/AURIX™ with Lauterbach TRACE32")

Live Online Training

14.11. – 14.11.2025 700,00 € 1 Tage

* Preis je Teilnehmer, in Euro zzgl. USt.

Anmeldecode: LE-T32-TRA

Präsenz-Training - Englisch

Termin	Dauer
06.03. – 06.03.2026	1 Tag

Live-Online - Deutsch

Termin	Dauer
14.11. – 14.11.2025	1 Tag

Präsenz-Training - Deutsch

Termin	Dauer
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Inhalt

Software-based Tracing

- Profiling: Variables (Software Oscilloscope), Program (Sample-based Performance Measurement)

- Logging: Snooper (Sample-based Tracing), Var.LOG, ART (Advanced Register Trace)

Hardware-based Tracing

- Trace Configuration
- MCDS Basic Configuration
- Basic Triggering
- Complex Triggering (Complex Trigger Language)
- Peripheral Trace, GTM Trace (Demo)
- OS Trace

Analytics and Special Use Cases

- Trace-based Debugging (Context Tracking System)
- Runtime
- Data
- Code Coverage