As of 29.03.2024

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

Objectives

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.

Participants

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

Requirements

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

29.11. – 29.11.2024 700,00 € 1 Days

* Price per attendee, in Euro plus VAT

Training code: LE-T32-TRA

Face-To-Face - English

Date	Duration
19.07. – 19.07.2024	1 day
21.02. – 21.02.2025	1 day

Live Online - German

Date	Duration
29.11. – 29.11.2024	1 day

Face-To-Face - German

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Content

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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

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