As of 27.11.2025

# Tracing and Multicore Debugging for TriCore/AURIX™ (MCDS) with the PLS Universal Debug Engine UDE - Live Online Training

**Objectives**

You can efficiently use the PLS UDE for debugging and tracing an AURIX™ multicore system. This includes all basic methods (e.g. breakpoints, run control, watch, registers, peripherals, memory, etc.), extended functions, like various methods of runtime measurement or code coverage analysis as well as hardware-based (MCDS) trace recording and the related evaluation.

YOUR BENEFIT:

We are working with real training systems. The trainer demonstrates the different features on a system, while the attendees can immediately reproduce and try out what they just learned on their training systems.

**Participants**

Hardware and software developers, test managers, test engineers

**Requirements**

Basiskenntnisse der AURIX™ Mikrocontroller-Architektur

## Live-Online-Training

14.07. – 14.07.2026 700,00 € 1 Days

* Price per attendee, in Euro plus VAT

Training code: LE-MCDSPLS

## Face-To-Face - English

| Date | Duration |
|---|---|
| 24.03. – 24.03.2026 | 1 day |

## Live Online - German

| Date | Duration |
|---|---|
| 14.07. – 14.07.2026 | 1 day |

## Face-To-Face - German

| Date | Duration |
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## Content

**Tool Architecture**

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**Watching and Changing Registers**

**Watch Window (Variables)**

**Expressions**

**Locals and Call Stack**

**Memory Content**

**Graphic Display**

**Run Control**

**Runtime Measurement**

**Profiling**

**Multicore Debugging (Load, Run, Break, Cache, MPU)**

**Automation - Overview (e.g. Python)**

**Trace Recording**

**Configuration (Compact, Advanced)**

**Trace-Based Profiling**

**Data Trace**

**Code Coverage**

**Execution Sequences**

**Call Graph**

**GTM Debug/Trace**

**Peripheral Trace**