

CANoe in Practice

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| Duration: | 1 day |
| Target group: | CANoe users (ECU development, automotive electrical systems, test planning and execution) |
| Prerequisites: | Experience in working with CANoe and CAPL |

1 Measuring bus communication of automotive ECUs (1.5h)

Goal: Use of CANoe as a measurement and simulation tool

Contents: Creating complex CANoe configurations, configuration assistant, automatic computation of baud rates, etc.

2 Analysis of multiple networked CAN bus systems (1.5 h)

Goal: Simultaneous measurement of extensive communication over multiple CAN networks

Contents: Configuration and use of different CAN interfaces

3 Extensive data logging and its evaluation (offline analysis) (1.0 h)

Goal: Conduct extensive data logging and analyze the logged data

Contents: Logging on multiple buses, analysis of logged data, data reduction, replay of data on real buses

4 Creating rest-of-bus simulations and startup on a breadboard setup (1.5 h)

Goal: Learn how to manually create a simulation for an ECU

Contents: Simulation via CAPL, signal-oriented CAPL, simulation via CANoe Interaction Layer, creating panels

5 Generating CANoe models with multiple bus systems (1.5h)

Goal: Learn how to automatically create complex CANoe models

Contents: Use of the "Model Generation Wizard", customization of the generated CANoe models

6 Questions, Suggestions, Requests

Goal: Clarification of open issues and open discussion as feedback for Vector