

CANoe/CANalyzer Ethernet Add-on Workshop

Agenda VectorAcademy

Duration:	1 Day
Target Group:	CANoe and CANalyzer Users (Development & Test Engineers)
Prerequisites:	Introduction to CANoe or Introduction to CANalyzer
Goal:	Learning some basic characteristics of the Automotive Ethernet protocol(s). Learning the Ethernet specific analysis features in CANoe/CANalyzer.

1 | Ethernet Introduction 1.5 h

- > Introduction to Automotive Ethernet
- > Physical Layers
- > Ethernet addressing (MAC, IP, VLAN)
- > Application Protocols
- > TCP/UDP

2 | Configuration in CANoe/CANalyzer.Ethernet 1.5 h

- > Using the PC network interface
- > Using Vector Network Interfaces
- > Configuring of network hardware and the TCP/IP stack

3 | Measurement, Analysis and Simulation in CANoe/CANalyzer.Ethernet 1.5 h

- > Analysis windows with Ethernet configuration
- > Interactive sending of Ethernet packets
- > CAPL for Ethernet

4 | Application protocols for Automotive Ethernet 1.5 h

- > Basics of SOME/IP and SOME/IP-SD
- > Creating a SOME/IP simulation in CANoe
- > Basics of DoIP
- > Creating a Diagnostic tester in CANoe
- > Basics of XCP and AVB