

Introduction to CANoe/CANalyzer.Ethernet

Agenda VectorAcademy

Duration:	1 Day
Target Group:	Users of CANoe/CANalyzer.Ethernet
Prerequisites:	Knowledge about Ethernet and IP basics as well as knowledge about application layer protocols in automotive (DoIP, SOME/IP, AVB/TSN, AUTOSAR IPDU and AUTOSAR NM).
Goal:	Knowledge about initiation of an Ethernet network as well as about measuring and analyzing features in CANoe/CANalyzer. Knowledge about how to use CANoe/CANalyzer.Ethernet as DoIP tester.

1 | Introduction to CANoe/CANalyzer.Ethernet

0.5 h

- > Characteristics of CANoe/CANalyzer.Ethernet
- > Available hardware for Ethernet and IP
- > Licensing

2 | Initiation of an Ethernet Network

1.5 h

- > Creating a configuration in CANoe/CANalyzer
- > Configuration of used hardware
- > Configuration of Vector NetIsolator

3 | Measuring and Analyzing in CANoe/CANalyzer.Ethernet

3.5 h

- > Measuring and analyzing windows for Ethernet and IP networks
- > Interpretation of use-oriented protocol information:
DoIP, SOME/IP, AVB/TSN, AUTOSAR IPDU and AUTOSAR NM
- > Tips and tricks for logging and offline analysis
- > Sending of Ethernet frames, IP packets and TCP/UDP packets

4 | Diagnostics over IP in CANoe/CANalyzer.Ethernet

1.5 h

- > Analyzing phases of DoIP in CANoe/CANalyzer.Ethernet
- > CANoe/CANalyzer.Ethernet as DoIP tester