

CANape Workshop

Agenda VectorAcademy

Delivery Format:	This Course is offered in Classroom or Remote Format
Duration:	Classroom: 1 day Remote: 8 hours
Target Group:	CANape Users
Prerequisites:	None
Goal:	Basic knowledge about XCP and how to use CANape. Possibility to focus on learning a special topic in more depth. Final agenda is decided during workshop startup.

1. Introduction to XCP

- > Basic understanding of the XCP Protocol and how it is used for measurement and calibration
- > Usage and handling of ASAP 2 (A2L)
- > Measurement modes and consequences for measurement

2. Projects, Configurations and Devices

- > Setup a Canape project
- > Setup a CAN and XCP device
- > Setup a basic measurement
- > Visualization of communication in trace window and basic troubleshooting
- > Visualization of signals
- > Working with configurations

3. Measurement Configuration

- > Log formats
- > Using Recorders, to measure raw CAN messages (BLF) and signals (MDF)
- > Setup events and triggers for more advanced logging

4. Offline analysis

- > Offline analysis of measurement files
- > Analysis for frame-based measurements (e.g. BLF) and signal based measurements (e.g. mdf)
- > Working with functions to process measurement signals
- > Data mining analyze multiple measurement files automatically and produce reports

5. Introduction to calibration

- > Parameter file formats and parameter file handling
- > Parameter history
- > Working with DataSets
- > Snapshots

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6. Customer specific use cases

- > Defined during workshop. E.g. live measurement in a car.