

CANape Fundamentals Workshop

Agenda VectorAcademy

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| Duration: | 3 Days |
| Target Group: | CANape Users |
| Prerequisites: | None |
| Goal: | Usage of CANape as MCD tool for ECU optimization |

1 | Introduction to the CCP and XCP Protocol

2.5 h

- > General information about the measuring technique in CANape
- > Synchronous data transfer model
- > Performance of the measuring technique with XCP

2 | Introduction to CANape

0.5 h

- > System overview
- > Concept of the device configuration
- > Overview of network description files and the ECU description files

3 | Creating a New Project

1.0 h

- > Adding a new device driver to the device list
- > Configuring the Vector hardware interface

4 | Acquiring and Logging of Measurement Data

4.5 h

- > Measurement modes in the measurement configuration window
- > Configuring the display windows
- > Configuring the recorder in CANape

5 | Offline Evaluation of Measurement Data

1.0 h

- > Visualization and Analysis of MDF files

6 | Data Mining

2.5 h

- > Concept of the data mining function
- > Configuration of the automated MDF file analysis

7 | Functions for Online and Offline Applications

2.0 h

- > Calculation of virtual signals
- > Calculation of virtual file channels
- > Functions for the Data Mining Analysis

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8 | Panels in the MCD Environment

0.5 h

- > Creation and usage of panels
- > Visualization of measurement and calibration objects
- > Starting scripts

9 | Scripts for Reproducible Sequences

0.5 h

- > Creation and start of scripts

10 | Application Concepts

0.5 h

- > Cache concept

11 | Calibration

1.5 h

- > Online/offline calibration
- > Direct/indirect calibration
- > Calibration history

12 | Data Management of Parameter Set Files

1.5 h

- > Loading and saving parameter set files
- > Comparing parameter set files in vCDMstudio
- > Loading parameter set files in vCDMstudio

13 | Diagnostic Feature Set

1.5 h

- > Short introduction to the basics of diagnostics and CANdelaStudio
- > Fault memory window and diagnostics window
- > Executing diagnostic services via scripts

14 | Questions, Feedback, Suggestions

1.0 h