

ECU Tests with vTESTstudio

Agenda VectorAcademy

Delivery Format:	This course is offered in Classroom or in Remote Format
Duration:	Classroom: 2 days Remote: 14 hours
Target Group:	CANoe users in the test field, vTESTstudio users
Prerequisites:	CANoe and programming basics
Goal:	Developing test projects with vTESTstudio and its integrated test design editors, test tables and test commands, project organization, exchange with CANoe, CAPL test modules, test diagrams, state machines, information exchange with requirement management systems.

1. Introduction

- > CANoe environment for vTESTstudio project execution
- > Motivation
- > Tool Chain
- > Graphical user interface
- > Test project structure
- > System environment setup

2. Traceability

- > Information flow
- > Configuration and application in vTESTstudio

3. Test Tables

- > Structure
- > Test commands
- > Test execution in CANoe
- > Test Report Viewer
- > Sequences, test cases, functions
- > Background checks, VT System

4. Efficient Tests

- > Parameter definition
- > Parameter types and usage
- > Library Concept
- > Classification Trees
- > Variants
- > Variables

5. CAPL Libraries

- > Configuration, test cases, sequences and functions

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- > Parameter and variants
- > Using CAPL in test tables

6. Test Diagrams

- > Concept and introduction to the editor
- > Graphical test description
- > Scenario generation
- > Annotations, Path Decisions

7. Database independent Tests

- > System Environment abstraction

8. State Diagrams

- > Concept and application example