



Agenda VectorAcademy

VAG MLBevo/MQB

Duration:	1 Day
Target Group:	ECU developers of VAG suppliers and OEM
Prerequisites:	Participation in the AUTOSAR workshop or good AUTOSAR knowledge, certification as a VAG supplier
Goal:	Get to know the features of the MLBevo/MQB basic software

1 | OVERVIEW AND INTRODUCTION | 0.5 H

- ▶ An overview of the general approach of VAG, motivation, business model/licensing topics (use cases)
- ▶ History of SLPs, comparison AUTOSAR (MLBevo/MQB) vs. pre AUTOSAR stack

2 | AUTOSAR AND MLBevo/MQB | 1.0 H

- ▶ Get a basic understanding of what parts in MLBevo/MQB are adopted from AUTOSAR, which are in the package and which are not
- ▶ BSW: ASR 3.0 modules, MCAL integration or minimum requirements, additional modules

3 | MLBevo/MQB EXTENSIONS (“OEM EXTENSIONS”) | 1.5 H

- ▶ Understanding of the special functionality in the VAG stack
- ▶ Component Protection, Control and Display Protocol, E2E (Protection Wrapper), Crypto Lib, Basis Software Manager, Universal Measurement and Calibration Protocol



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4 | CONFIGURING THE MLBevo/MQB STACK | 3.0 H

- ▶ Knowledge of the configuration principle, workflow and tools
- ▶ Usage of ECU Extract of System Description and legacy data formats, creation of an Initial ECU-C, Database update, DaVinci Project Assistant, Minimum requirements for a project setup

5 | DIAGNOSTICS CONCEPT FOR MLBevo/MQB | 1,0 H

- ▶ Knowledge of the diagnostic modules
- ▶ Unified Diagnostic Services (UDS), Standard Diagnostic Services (SDS), Wrapper for UDS and SDS, Diagnostic Event Handler (DEH), Wrapper for DEH, Integration of Dcm and Dem into GENy and Tresos