VAG MLBevo/MQB

Agenda VectorAcademy

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

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