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EB Assist ARXML Communication Toolbox

Support of CAN, FlexRay, SOME/IP, and CAN-FD

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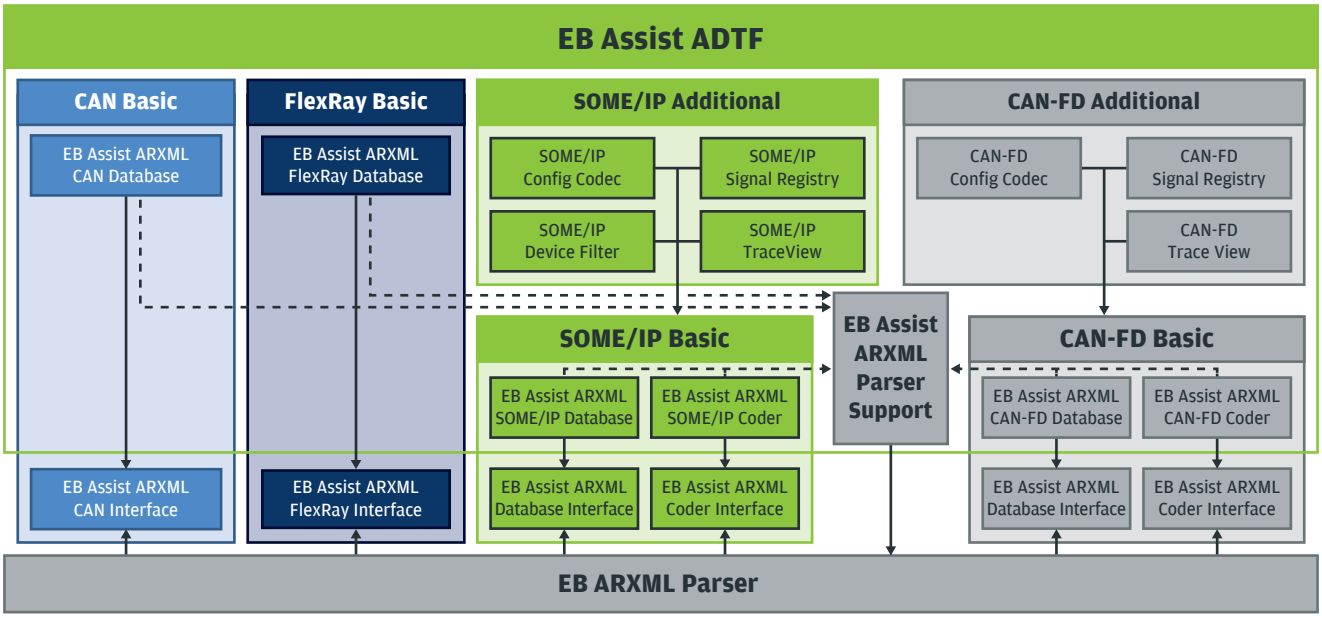
Automated driving development is accompanied by increasing complexity due to various components that need to cooperate. Carmakers and Tier 1 suppliers extensively use AUTOSAR to manage complexity. AUTOSAR data files (ARXML) substitute more and more former description formats like DBC or FIBEX. ARXML is a format that describes CAN / CAN-FD, FlexRay, and SOME/IP data. The number of ARXML files is increasing.

EB Assist ADTF, an established tool for development, test, and validation of driver assistance and automated driving software provides an EB Assist ARXML Communication Toolbox. It enables the use of ARXML files within EB Assist ADTF to describe communication.

EB Assist ARXML Communication Toolbox – Architecture



EB Assist ARXML Communication Toolbox

- Based on the same reliable parser as in EB tresos Studio, a consistent tool environment for AUTOSAR-based ECU software configuration, validation, and code generation
- Can be smoothly integrated in EB Assist ADTF to replace the existing CAN / CAN-FD and FlexRay parser
- Support of CAN / CAN-FD, FlexRay, SOME/IP, and AUTOSAR 4
- Complete SOME/IP and CAN-FD support for EB Assist ADTF
  - New MediaType for SOME/IP and CAN-FD data
  - SOME/IP and CAN-FD device filter
  - Signal provider for all pins of type SOME/IP and CAN-FD
  - SOME/IP and CAN-FD Trace View
  - SOME/IP and CAN-FD Config Codec
  - SOME/IP and CAN-FD Database and SOME/IP and CAN-FD MediaCoder

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