

Building World-Class Automotive Middleware Stacks

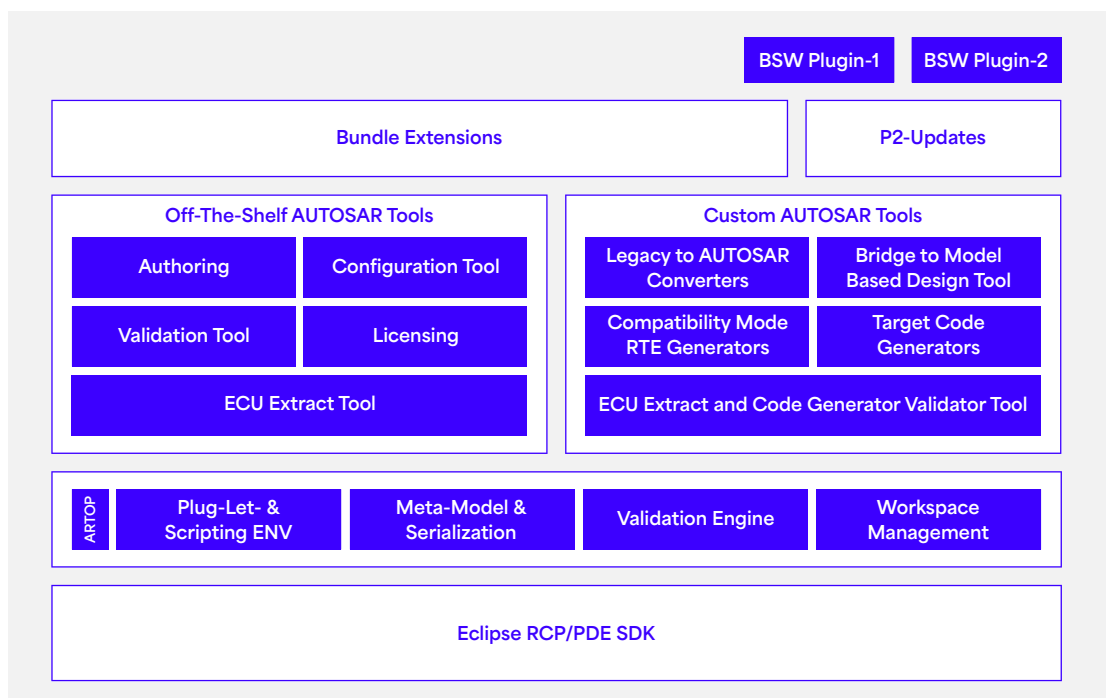


Qorix Developer for Classic



Qorix Developer Tool is an Eclipse-based tool built on top of Artop (AUTOSAR Tool Platform) framework to configure an AUTOSAR ECU. This software dynamically generates GUI controls for AUTOSAR components based on the ECU parameter definition file. It generates the ECU description file (of type '.xml' or '.arxml') using the ECU parameter definition file and the configuration specified in the GUI. Additionally, it validates the Extract (ECUC and Diagnostic) and generates the ECU description file followed by generation of output source and header files using built pug-ins. This tool ensures that both common and BSW-module specific code generation processes adhere to AUTOSAR standards, validating the generated code for compliance, correctness, and reliability to meet the defined requirements.

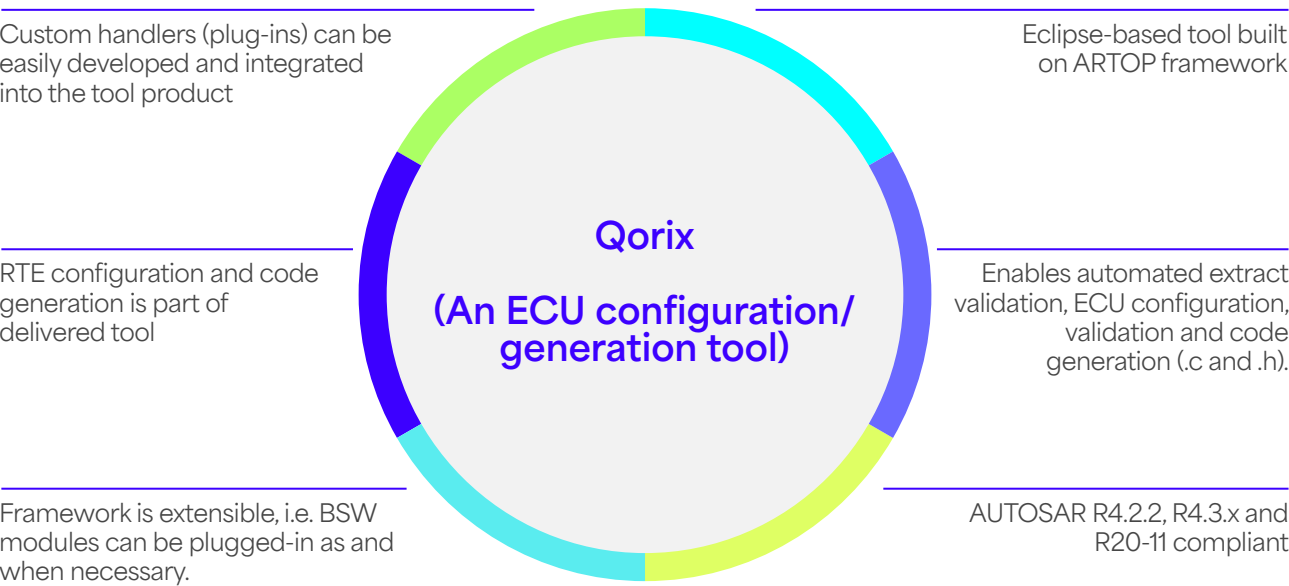
Tooling Platform Architecture



Key Highlights

| | | | |
|-----------------------------------|-------------------------------------|---------------------------|---|
| Production-ready 4.x, 20-11 tool | 4.x,20-11 safety certified | 23-11 tool in development | ASIL D safety compliant |
| Extendable for OEM customizations | Easy to integrate and interoperable | Flexible license models | 12 OEMs have approved/used Qorix Classic tool |

Features



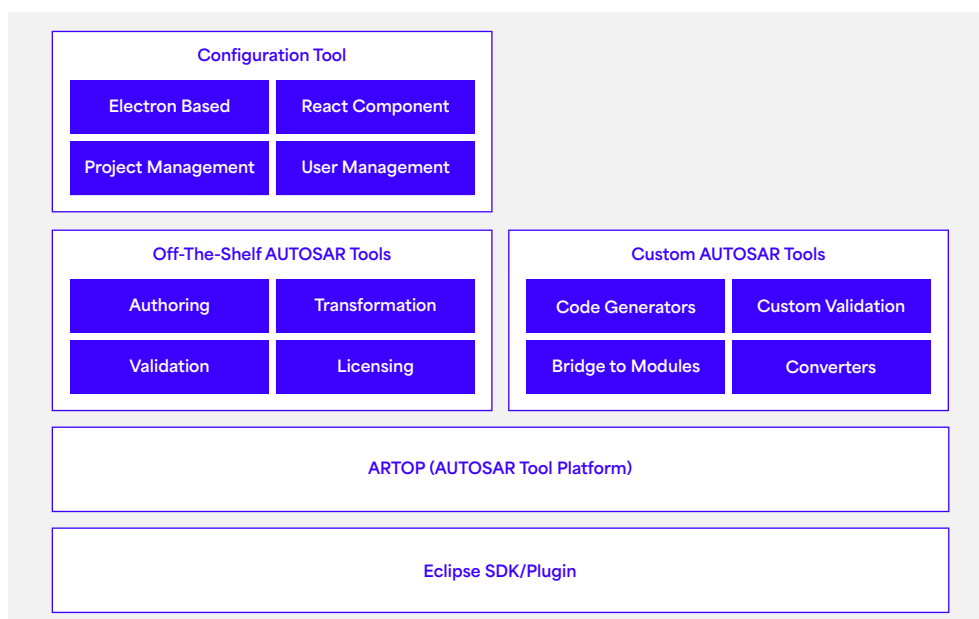
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Qorix Developer for Adaptive



The Qorix Developer for AUTOSAR Adaptive is an advanced toolset designed to support the development and integration of AUTOSAR Adaptive software components. Building upon a robust foundation, this toolset addresses the unique needs of the AUTOSAR Adaptive platform, catering to modern automotive applications requiring high computational power, such as autonomous driving and advanced infotainment systems. The Qorix Developer is crucial for organizations transitioning to AUTOSAR Adaptive, providing a hands-on approach to understanding and implementing the platform's complex features. It helps bridge the gap between Classic and Adaptive AUTOSAR by offering a comprehensive toolset that can be used for training, development, and integration purposes. By focusing on the key aspects of AUTOSAR Adaptive, such as service-oriented architecture and dynamic system behavior, the Qorix Developer plays a pivotal role in the successful adoption and deployment of AUTOSAR Adaptive technologies in the automotive industry.

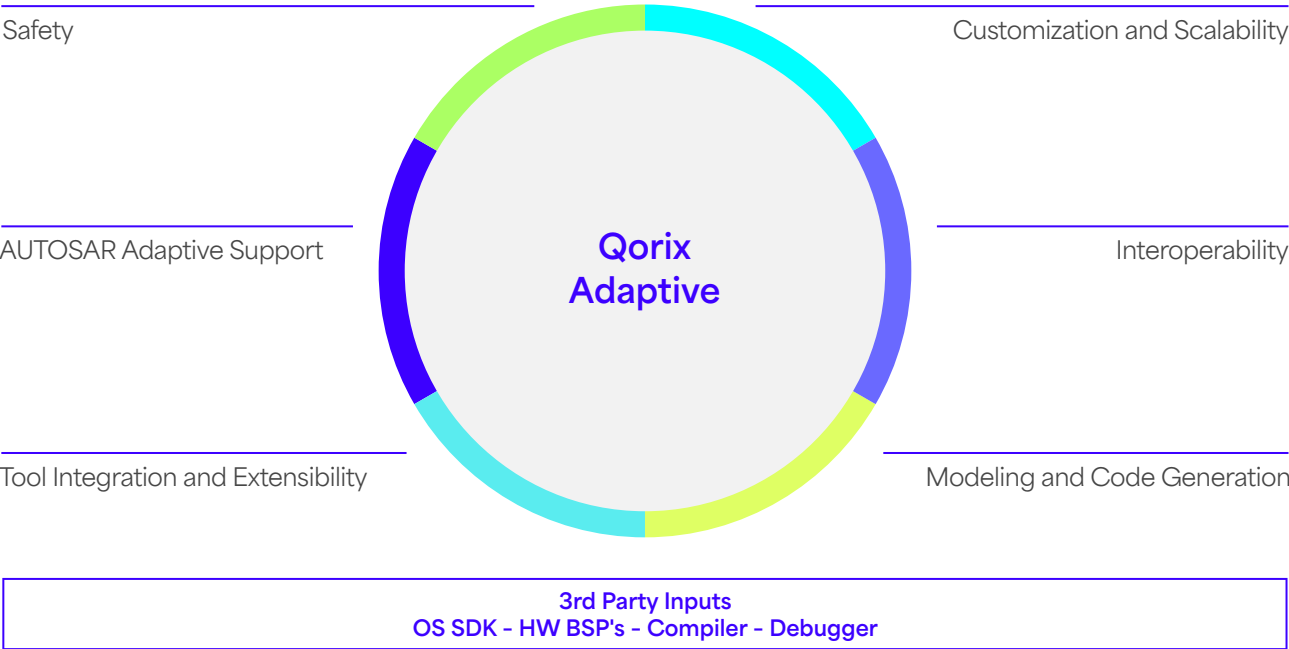
Tooling Platform Architecture



Key Highlights

| | | |
|---|---|---|
| Communication over IPC and SOMEIP | ECU Boot timings | Diagnostics events reporting and communication |
| AUTOSAR Adaptive specification compliant UCM Master | Subordinate with tooling support for vehicle package generation | Tooling support for Adaptive AUTOSAR methodology and integration with 3rd party tools |
| Support for safety critical functions | SDKs available for virtual platforms to support parallel developments | Safety qualification in progress |

Features



Qorix is a technology company that provides innovative, robust middleware solutions for all areas of the vehicle, especially in the context of the shift towards software-defined vehicles (SDVs). We help automotive manufacturers and suppliers manage increasing software complexity while maintaining control over architecture. Our middleware enables a secure, scalable, and powerful software ecosystem for next-generation vehicles. Our product portfolio includes AUTOSAR Classic and Adaptive platforms, as well as our proprietary performance stack, which was developed specifically for high-performance computers and real-time integration. With a global team of around 300 experts, Qorix delivers software products for leading original equipment manufacturer (OEM) and tier one (Tier 1) programs. As a joint venture between KPIT Technologies, Qualcomm Ventures, and ZF, Qorix combines in-depth software expertise with automotive system knowledge. Qorix is a member of the VDA, AUTOSAR, and the Eclipse Foundation and actively participates in shaping modern software standards for tomorrow's mobility.

Learn more at www.qorix.ai

