



News Release

Qorix Collaborates with Red Hat to Advance Deterministic Performance for Next-Generation Software-Defined Vehicles

MUNICH (embedded world 2026) – March 10, 2026 – Qorix is collaborating with Red Hat in a strategic agreement to accelerate the transition to software-defined vehicle (SDV) architectures by demonstrating the system-level optimization of Red Hat In-Vehicle Operating System in combination with the Qorix Performance Stack. This collaboration showcases a reference solution designed to support Linux-based platforms and deterministic automotive middleware in production-ready, safety-relevant automotive environments. Qorix Performance delivers deterministic orchestration and system-level execution control for safety-relevant, open-source-based vehicle architectures.

As automotive platforms consolidate diverse workloads, ranging from safety-critical functions to infotainment, onto shared high-performance electronic control units (ECUs), the industry requires a standardized foundation that balances flexibility with predictable execution.

Qorix and Red Hat are working together on architectural coordination, integration validation, and industry engagement to deliver on this vision. At embedded world, Qorix and Red Hat are demonstrating how Red Hat In-Vehicle Operating System, a production-grade Linux foundation tailored to automotive environments, aligns with Qorix Performance Stack to enable deterministic orchestration in safety-relevant automotive architectures. This solution addresses the complexities of mixed-criticality environments by focusing on:

- **Structured Execution:** Managing system-level performance across diverse system-on-chip (SoC) hardware.
- **Functional Isolation:** Supporting controlled communication across different vehicle domains.
- **Integration Maturity:** Aligning operating system and middleware layers to reduce architectural friction.

See the demonstration at Qorix booth 4-442 at embedded world.

Markus Schupfner, CEO of Qorix, states:

"Consolidated vehicle platforms demand deterministic system behavior that extends beyond individual software components. Our collaboration demonstrated at embedded world shows how operating system and middleware layers can be aligned to meet these requirements. Our strategic agreement with Red Hat provides the framework for this collaboration."

Francis Chow, Vice President and General Manager, In-Vehicle Operating System, Red Hat, adds:

"The shift toward SDVs requires enterprise-grade open source technologies that can meet the unique requirements of the automotive edge. This collaboration demonstrates how we are bringing the reliability of Linux to safety-relevant environments through collaborative orchestration and validation."

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About QORIX

Qorix is a technology company that develops innovative, robust middleware solutions for software-defined vehicles (SDVs). We help automotive manufacturers and suppliers manage increasing software complexity while maintaining control over their architecture. Our middleware creates a secure, scalable, and powerful software ecosystem for next-generation vehicles, providing support from platform integration to the long term.

Our portfolio includes AUTOSAR Classic and Adaptive platforms, both of which are TÜV-certified, as well as our proprietary Performance stack 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, ZF, and Qualcomm Ventures, Qorix combines deep software expertise with comprehensive automotive knowledge. We are members of the VDA, AUTOSAR, and the Eclipse Foundation and actively shape tomorrow's mobility standards.

Learn more at www.qorix.ai