In recent years, the number of vehicle ECUs receiving software updates via over-the-air (OTA) technology has been steadily increasing, making it difficult for automakers to track and manage software configurations across their fleets. The OTAmatic Vehicle Configurator gives automakers insight into the exact hardware and software configurations within a vehicle, manage known combinations of electronic control units (ECUs) and software versions in vehicles, and meet emerging government compliance requirements for type certified vehicle systems.

Vehicle Configurator minimizes unanticipated issues by ensuring software contained in tens to hundreds of independent ECUs in a vehicle are limited to prevalidated configurations that have been tested and approved by automakers.

The exact version of software and hardware installed in vehicles is reported so automakers can understand the state of their vehicle fleets at any point in time.

Vehicle Configurator allows automakers to compare configurations for vehicle lines or individual vehicles to understand changes over time. It also allows automakers to record the software associated with the type certification (ROSWIN) of a vehicle system and supports UNECE (WP.29) requirements for tracking software updates.

Configuration candidates can be automatically created from factory feeds of newly manufactured vehicles or by importing bill of materials (BOMs) using a web-based tool. Configurations can also be provided for review and approval when a vehicle reports a new combination from the field. The Vehicle Configurator can also be integrated into other OTA systems using supplied APIs.

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