Press Release

February 2022

AUTOSAR Release Event R21-11

Release R21-11 is published

The AUTOSAR development partnership is constantly improving its standard. The current release R21-11 was successfully presented at the virtual Release Event in December, where more than 800 AUTOSAR Enthusiasts from 45 countries attended the virtual live event and listened to AUTOSAR’s dedicated speakers presenting the new features. The presentations stated clearly that AUTOSAR is not a classic standard but a living standardization with continuous development.

The range of Functional Safety concepts has been extended by the System Health Monitoring, Mode Dependent Configuration and the End2End for Fields.

Furthermore, the In-Vehicle Communication introduced an additional part of 10BASE-T11 for more bus efficiency and cost reduction. The new release includes a rework of Partial Network Cluster (PNC) and Network Management (NM) Handling.

The Foundation got a new feature with the Service Discovery Harmonization to make the specification clearer.

Additionally, the DDS Enhancements, DDS Security and DDS Network Binding were released for the Adaptive Platform. A number of enhancements have been presented and published that will ensure that the Classic Platform continues to evolve.

Finally, the goals and the current status of the Requirements Management were presented.
In conclusion it was to say, that two standardized AUTOSAR Software Platforms define one holistic E/E System Architecture for Future Intelligent Mobility. The AUTOSAR Release R21-11 and the recordings of the Release Event R21-11 can be found on the Website.

About the AUTOSAR Adaptive Platform
AUTOSAR first released its Adaptive Platform on March 31st, 2017 as a standardized integration platform for electronic control units (ECU). The AUTOSAR Adaptive Platform is based on POSIX operating systems and is the ECU standard for new automotive megatrends. It combines the safety and security of microcontroller-based ECUs with the high performance provided by microprocessor-based multimedia ECUs. By doing so, the new standard avoids the costly alternative of OEMs and their suppliers repeatedly developing the critical and complicated functionality of such a software platform with proprietary and individual approaches.

About the AUTOSAR Classic Platform
The AUTOSAR Classic Platform is a well-established standardized software framework and methodology for deeply embedded electronic control units (ECUs), which offers OEMs and suppliers a stable foundation to build their distributed software systems on. By using a layered software architecture with a compatible methodology, the AUTOSAR Classic Platform supports all kinds of microcontroller-based ECUs. In the future, AUTOSAR plans further specification updates to fulfill the needs of embedded system architectures.

About AUTOSAR (AUTomotive Open System ARchitecture)
AUTOSAR (AUTomotive Open System ARchitecture) is a global development partnership of car manufacturers, suppliers and other companies from the electronics, semiconductor, and software industries. Since 2003, they have been working on the development and introduction of several open standardized software platforms for the automotive industry. By simplifying the replacement and update of software and hardware, the AUTOSAR approach forms the foundation for reliably controlling the growing complexity of electronic and software systems in the vehicles of today and future. In addition, AUTOSAR improves cost efficiency by enabling its partners to cooperate in a competitive way. The “Core Partners” of AUTOSAR are the BMW Group, Bosch, Continental, Daimler, Ford, General Motors, the PSA Group, Toyota and the Volkswagen Group. In addition to these companies, more than 320 partners play an important role in the success of the partnership and can use the standards free of charge.
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