



AHK meets AUTOSAR

Automotive Software Development and Cybersecurity

Rinat Asmus, AUTOSAR Chairperson

June 10, 2021

Virtual Event Series

Part 1/3

BMW Group



BOSCH

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DAIMLER



PSA
GROUPE

TOYOTA

VOLKSWAGEN
AKTIENGESELLSCHAFT

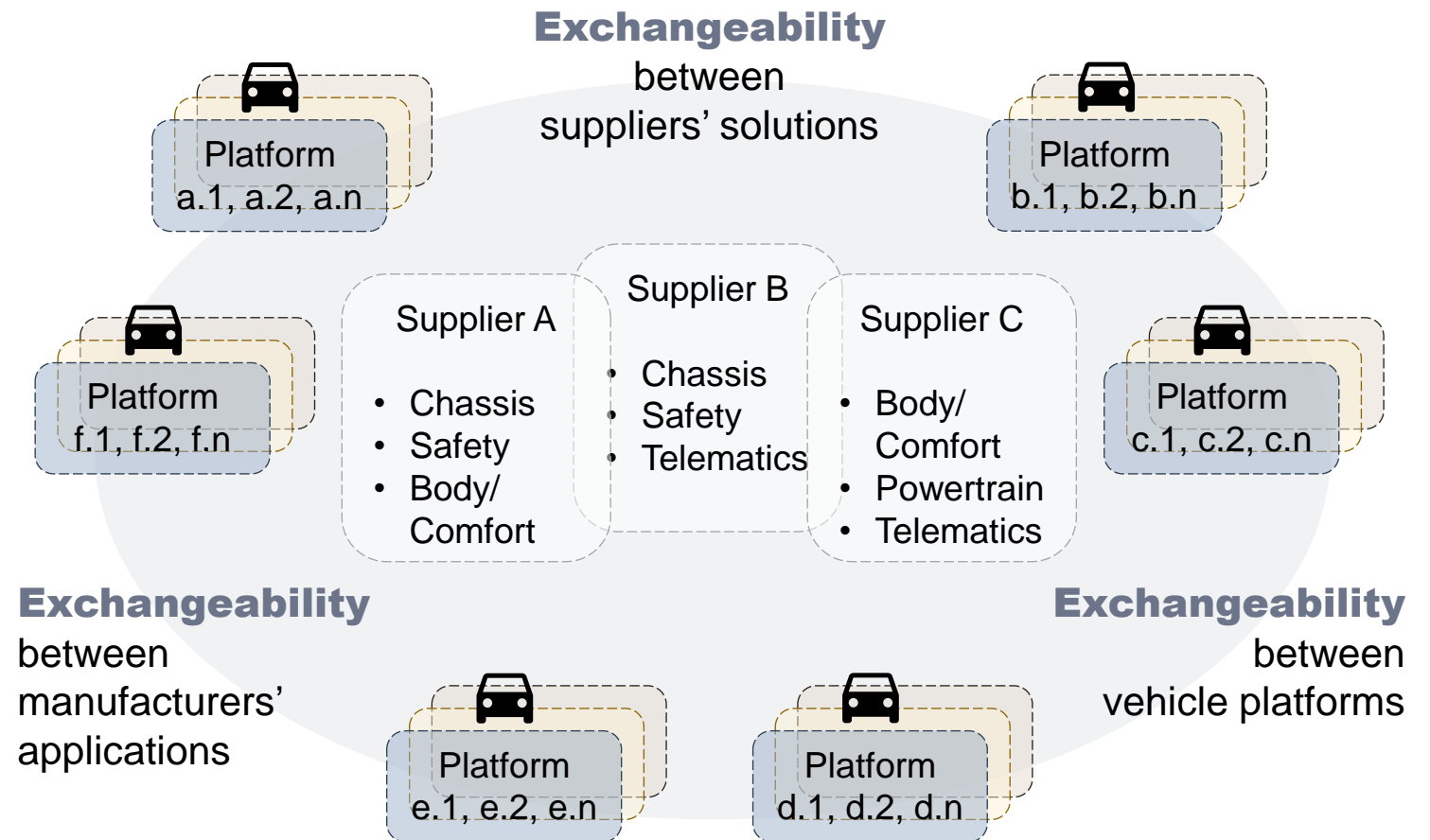
AUTOSAR Partnership

The Collaboration Model With Proven Track Record

AUTOSAR has succeeded in **bringing together main players** in automotive E/E system development **to form a powerful standard** that is successfully used all **around the world**

AUTOSAR Basic Principle

AUTOSAR ensures an advanced complexity management of integrated E/E architectures through increased **reuse** and **exchangeability of software modules** between OEMs and suppliers.



AUTOSAR

The Advantage of a Strong Community

31 international automotive OEM are AUTOSAR partners.

21 are **under the 22 top-selling OEM** and covering around **80%** of the **total market revenue** in 2019*.

Together with other Tier1 and Suppliers, our partners are collaborating to shape Future Intelligent Mobility.



Around 297 AUTOSAR Partners

9 Core Partners



59 Premium Partners



1 Strategic Partner

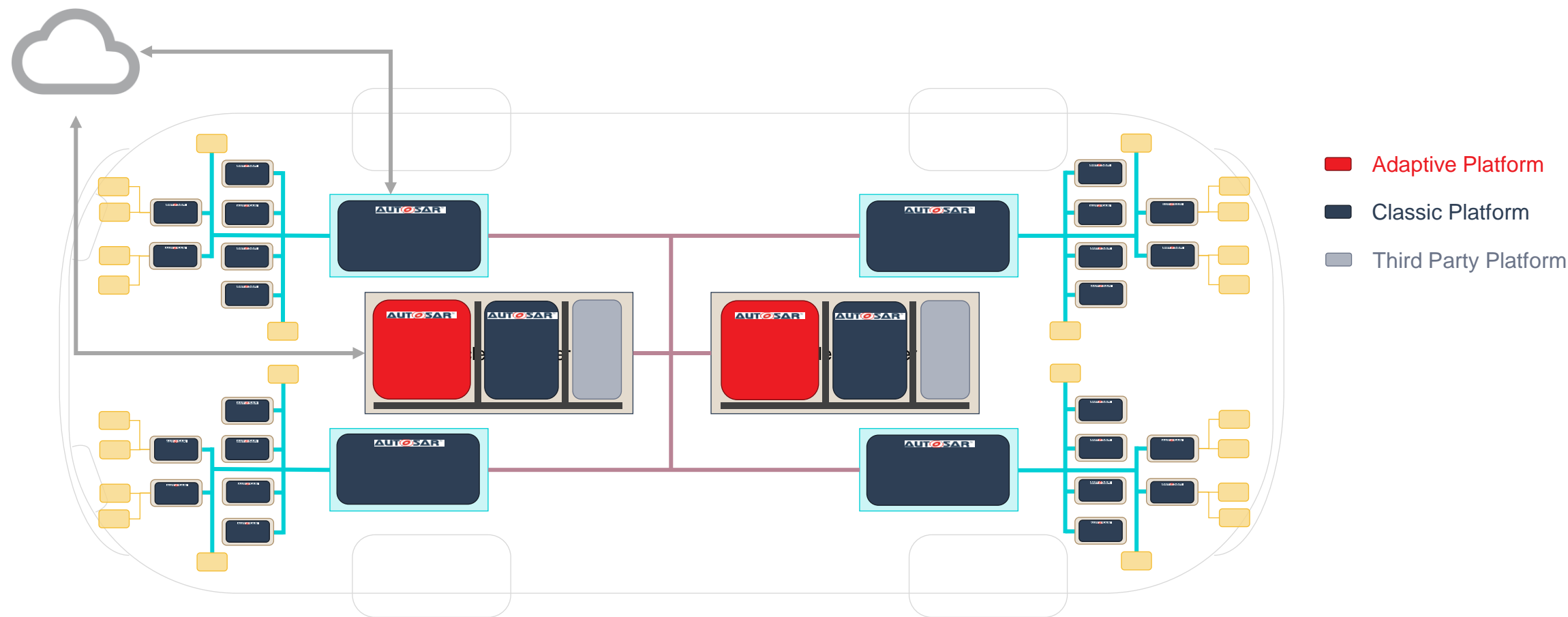


56 Development Partners



+ 145 Associate Partners
+ 27 Attendees

Zone Architecture Supported by AUTOSAR



AUTOSAR Adaptive and Classic Platform

What Are the Differences?

Adaptive



Mid, in the range of milli-seconds

High, at least ASIL-B

High, > 20.000 DMIPs

Classic



High, in the range of micro-seconds

High, up to ASIL-D

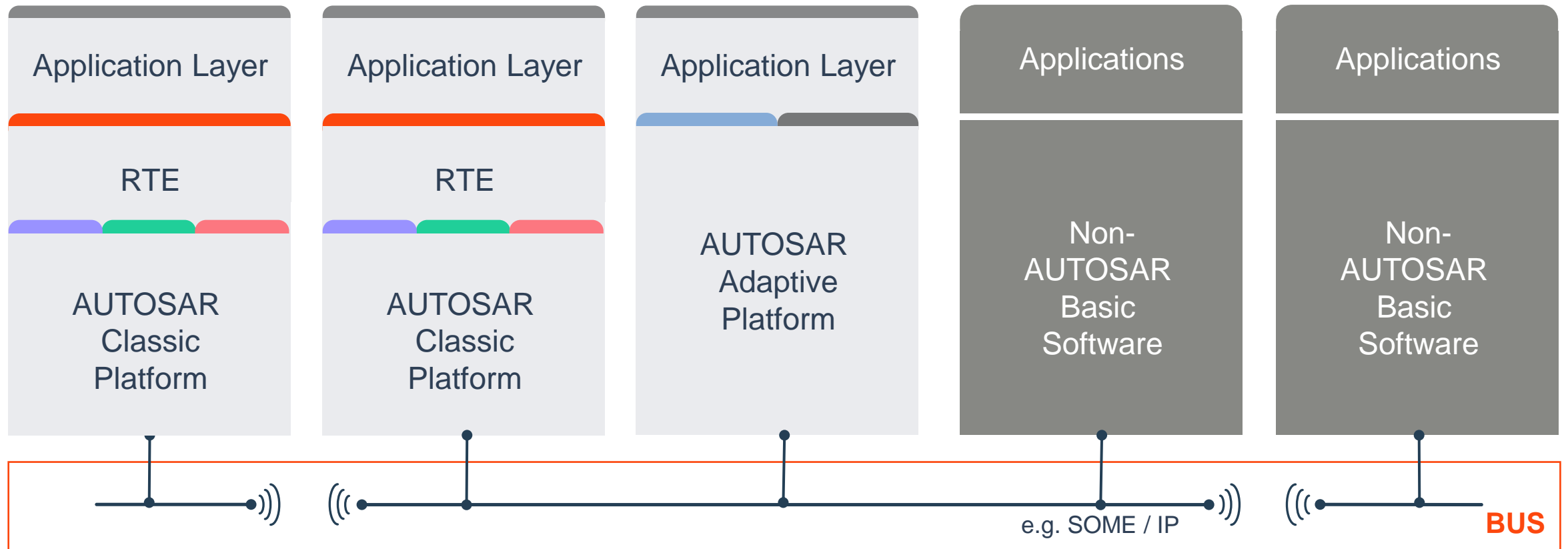
Low, ~ 1000 DMIPs

Real Time
Requirements

Safety
Criticality

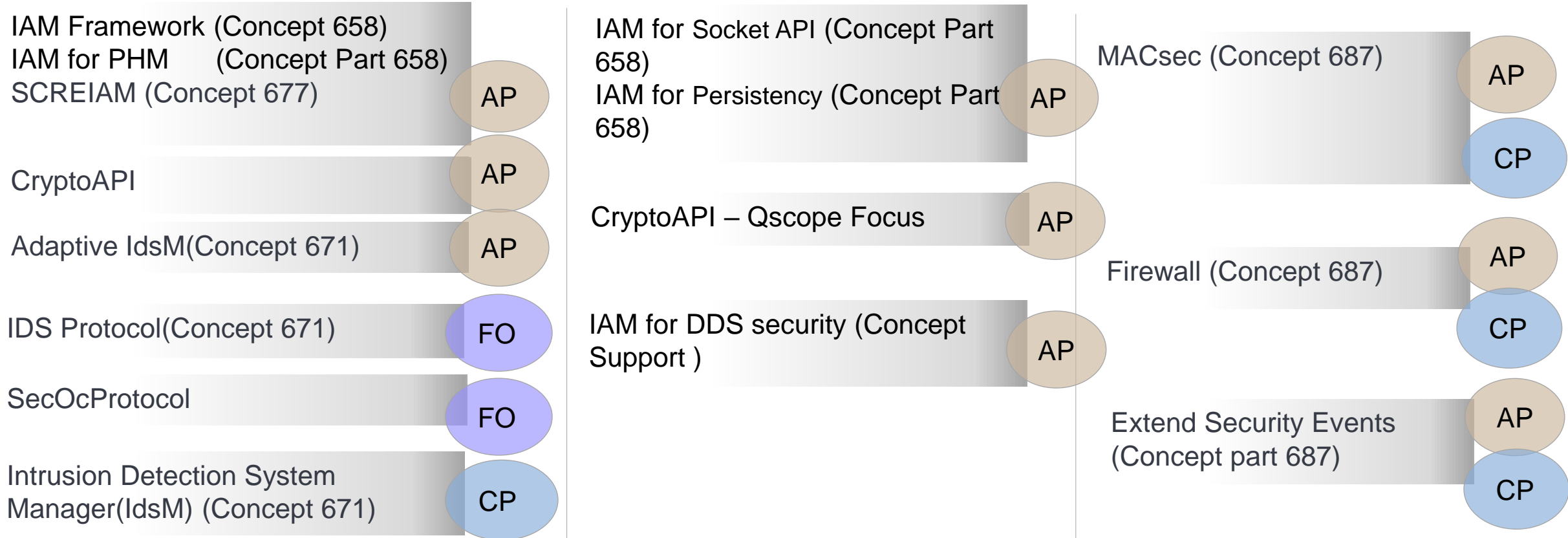
Computing
Power

AUTOSAR standardizes two software platforms – Classic and Adaptive



Common Bus Interface Specification

Overview of AUTOSAR Security activities



AUTOSAR

Release R20-11

AUTOSAR™

AUTOSAR™

Enabling Continuous Innovation

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< Automotive field >

Looking forward to
hearing from you!



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