

Service-based The AUTOSAR NM is based on a decentralized network management strategy, which means that every network node performs activities independently depending only on the NM messages received and/or transmitted within the communication system.

Library-based Li

Library-based Adaptive AUTOSAR also provides a standalone Communication API for processing raw binary data streams towards an external ECU, e.g. a sensor in an ADAS system. The API is static and implements functionality for a client application to establish a communication channel to a server, and for a server application to wait for incoming connections from a client.

communication #NMX

Communication #TSY
Configuration #UCM

rds Functional Communication #RDS

nm Service

n/a Functional
per Functional

phm Functional sm Service

nent ucm Service

Network Management

State Management

Platform Health Managemen

Update and Configuration Manag

Due to space limitations (as I wanted to include everything in a single picture), not all basic elements could be illustrated. For example, several types of mappings, such as PersistencyToMachineMapping or ProcessToMachineMapping, are defined and used to connect related components. While these are not shown in the illustration, they are straightforward to understand for those who are working in the corresponding domain.