

Library-based
Li Cryptography Diagnostics diag Functional Diagnostics
exec Functional Runtime Library-based The Diagnostic Management (DM) realizes the ISO 14229-5 (UDSonIP) which is based on the ISO 14209-1 (UDS) and ISO 13400-2 (DoIP).

Library-based Execution Management is responsible for all aspects of system execution management including initialization of the Adaptive Platform and the startup/shutdown of Processes. Execution Management works in conjunction with the Operating System to configure the run-time scheduling of Processes. Execution Management works in conjunction with the Operating System to configure the run-time scheduling of Processes. The functional cluster Firewall is responsible for managing these rules and configuring the firewall engine. Execution Management fw Functional n/a Identity and Access Management Intrusion Detection System Manager Log and Trace Library-based The functional cluster intrusion Detection System Manager (IdsM) provides a standardized interface for receiving notifications of security events (SEV). The SEvs can be reported by security sensors implemented in other functional cluster is responsible for managing and instrumenting the logging features can be used by the platform during development and after provided in the AUTOSAR Adaptive Platform during development and after provided in the Autor of the Adaptive Platform during development and after provided in the Autor of the Adaptive Platform Foundation and related modeled resources. The functional cluster is responsible for managing and instrumenting the logging features can be used by the platform during development and after provided in the Autor of the Adaptive Platform Foundation and related modeled resources. The functional cluster is responsible for managing and instrumenting the logging and trace functional cluster is responsible for managing and instrumenting the logging and trace function and after provides a standardized interface for receiving notifications of security events (SEV). The SEvs can be reported by security sensors implemented in other functional cluster is responsible for managing and instrumenting the logging and trace functional cluster is responsible for managing and instrumenting the logging and trace functional cluster is responsible for managing and instrumenting the logging and trace functional cluster is responsible for managing and instrumenting the logging and trace functional cluster is responsible for managing and instrumenting the logging and trace functional cluster is responsible for managing and instrumenting the logging and trace functional cluster is responsible for managing and instrumenting the logging and trace functional cluster is responsible for managing and instr communication #NMX Network Management nm Service Library-based Service-based Service-based Service-based Service-based Library-based Li n/a Functional
per Functional Operating System Interfac Platform Health Managemen phm Functional sm Service State Management Configuration #TSY #UCM Update and Configuration Manag nent ucm Service rds Functional Communication #RDS 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. Notices

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.