

Sonatus Foundation

Drive Rapid Innovation with a Flexible, Future-Ready Vehicle Platform

Drive continuous vehicle improvements with a software-defined architecture

Sonatus Foundation provides essential software building blocks that add flexibility, configurability, and upgradeability to vehicle Electronic/Electronic (E/E) architectures.



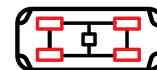
Accelerate time-to-market

Adopt a market-ready and modular product designed to adapt to your specific E/E design, creating a vehicle architecture that allows designers to focus on differentiating features and applications.



Enable continuous enhancements

Add dynamic configurability to your vehicle E/E architecture to continuously adapt to changes in vehicle electronics, security demands, application workloads, and user experiences.



Future-proof vehicle architectures

Build vehicle platforms with technologies that meet current and upcoming infrastructure requirements, including zonal and centralized high-performance compute architectures.

Sonatus Foundation Features

Sonatus Foundation includes several major software technology building blocks to help accelerate the transition to a dynamic and adaptable hardware architecture for vehicles of all types.

Network Services

Dynamically manage and adapt vehicle networks to accommodate mixed-critical application workloads with varying requirements for bandwidth, latency, security, and resilience.

- **In-Vehicle Network Manager**
 - Hardware-agnostic switch abstraction
 - Real-time, automated network orchestration
 - High-performance, SDV network foundation
 - Deep Ethernet diagnostics and visibility
 - Reliable, secure, lifecycle-ready operations
 - End-to-end automotive network security

Data Services

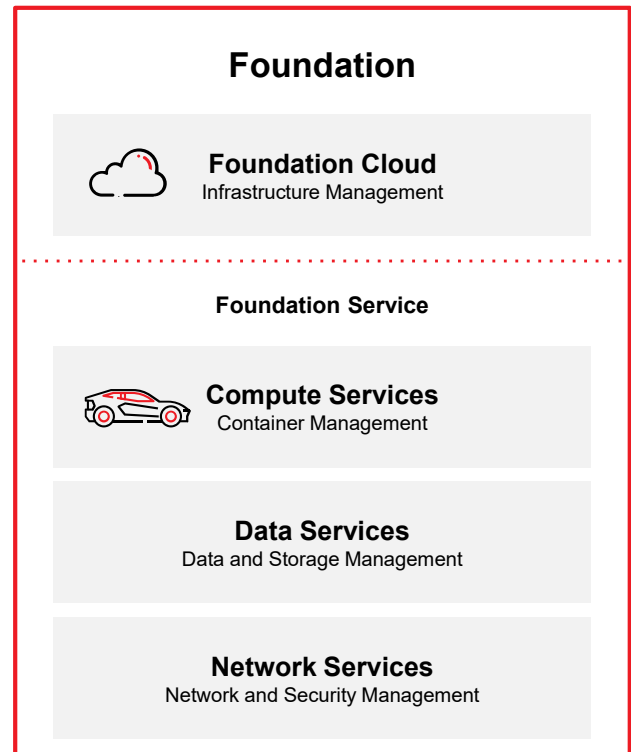
Service-oriented architecture (SOA) for cross-domain applications and NSS to streamline in-vehicle data storage and access.

- **SOA Adaptor**
 - Configuration Management
 - Multi-protocol support
 - Dynamic service integration
 - Real-time service discovery
 - Robust security and access control
 - Scalable and high-performance
- **Network shared storage**
 - Adaptive, usage-based storage management
 - Virtualized, compressed, purgeable storage
 - Secure data access with encryption controls
 - Cloud-synced policies and health monitoring

Partners



Standards Supported



Compute Services

Simplify the creation, deployment, configuration, and management of containerized automotive applications.

- **Container Manager**
 - Container lifecycle management
 - POSIX, Adaptive AUTOSAR, SOA compatible
 - Fine-grained resource isolation & control
 - Inter-container communication network
 - Runtime isolation of containers for security
 - OTA updates of container images