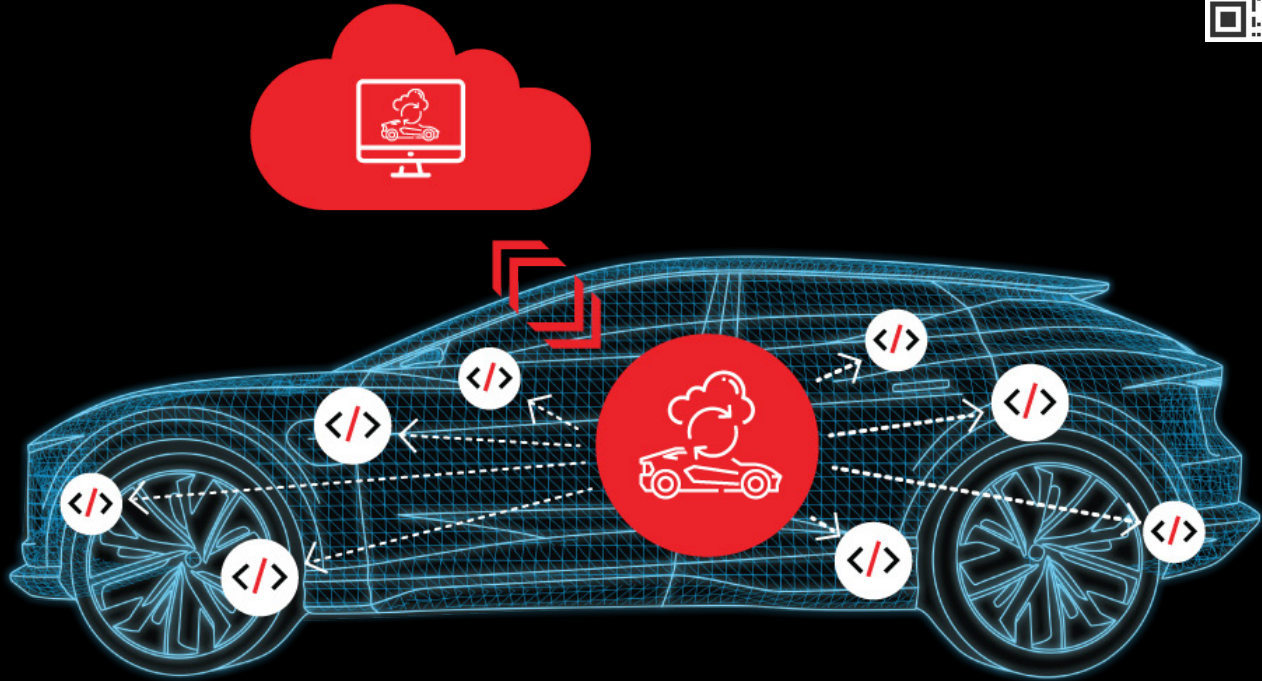


Sonatus Updater

Comprehensive and secure xOTA management



Securely manage all vehicle software updates with predictability and end-to-end traceability

Sonatus Updater allows automotive OEMs to successfully manage over-the-air (OTA) updates of any vehicle software, with cloud-based simulated dry runs and complete transparency.



Manage all vehicle software OTA updates from a single pane of glass

Enables automotive manufacturers to securely update firmware, containers, variant coding, configuration changes, and policies over the air from a single pane-of-glass.



Ensure predictable results with simulated dry-runs of OTA updates

Conduct dry runs to predict data size and campaign cost and resolve conflicts to ensure success of the update process.



Achieve end-to-end traceability of automotive OTA campaigns

Trace campaigns with granular visibility down to each step in the update to aid troubleshooting.

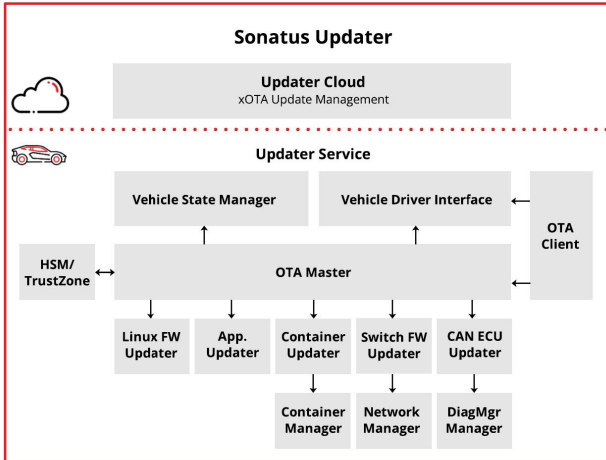


Reduce OTA update sizes automatically to reduce costs

Automatically apply delta update algorithms to minimize update sizes by up to 95 percent saving time and OTA transmission costs.

Sonatus Updater Features

Update all vehicle software with predictable results and full transparency.



xOTA Updates

Supports updates for all types of software assets including firmware, containers, as well as configuration data.

- For classic, domain, zonal, and high performance ECUs
- Large and complex firmware updates
- Lighter weight variant coding, container, network and application policies

Intelligent Delta Updates

Automatic selection of algorithms to produce the smallest delta updates, reducing software package sizes by up to 95%, saving time and OTA transmission costs.

- Multiple delta generation algorithms
- Algorithms tailored to multiple software asset types
- Intelligent selection of optimal algorithm based software asset type

Secure

Meets and exceeds automotive cybersecurity guidelines for connected updates.

- UNECE Cybersecurity Regulation: R155/R156
- Uptane framework for software updates
- Role Based Access Control and strict approval workflows

End-to-End Traceability

Trace campaigns from the cloud to individual ECUs with granular visibility at each step.

- Failure root cause analysis
- Correlation of scattered data points (logs, signals, etc.)
- Context stitching based on campaign

Predictive

Conduct dry runs in the cloud to determine scope. reduce costs and measure of success for each campaign.

- Cost estimation
- Dependency validation
- Target vehicle estimation

Partners



Standards Supported

