Map as a Service (MaaS)
Car as a Service (CaaS)
Cloud-based Driver Profile
Vehicle Analytics
HARMAN IGNITE
Remote Vehicle Updating Services (OTA)
Content Personalization
Vehicle Connect (V2H, V2V, V2I)
Vehicle Health & Diagnostics

HARMAN IGNITE PLATFORM

Develop, Manage and Operate In-Vehicle Applications and Connected Vehicle Services

As more applications, services and platforms are developed to deliver connected vehicle content and services through the cloud, it is becoming increasingly more important to manage interactions in one central location. The cloud allows the integration of various systems and processes so new business models and revenue streams can be realized in the automotive ecosystem.

The Harman Ignite Platform is a complete, end-to-end cloud platform which enables connectivity, device management, application enablement, analytics and managed services capabilities. It allows automakers, dealers and service providers to introduce, easily deploy and manage new cloud applications and services meeting the safety, convenience, information, and entertainment needs of customers around the world. It also helps these entities in meeting the back-end service management and operational needs of their own businesses. They can maximize efficiency and minimize internal costs in their pursuit to fully offer the connected lifestyle experience.

The platform provides the security, flexibility, scalability, manageability and reliability that the auto ecosystem players demand to ensure success of their connected car services and applications today and tomorrow. This solution largely applies to connected applications and services in the automotive industry, but also extends to the realm of IoT, including smart buildings and other fields.

Specific capabilities of the platform include:
• Facilitates the delivery of data communication services on mobile and other networks;
• Has pre-built analytics models covering common industry-wide scenarios;
• Enables remote management of devices; and
• Allows Over-the-Air (OTA) orchestration of firmware and software updates.

Top-line Benefits

Helps OEMs, Dealers and Third Party Service Providers to:
• Offer exceptional customer service through a scalable platform that allows it to launch new services and applications, optimize service reliability, and rapidly detect and resolve issues
• Ensure that connected vehicle programs are operationally efficient
• Achieve greater profitability by supporting complex business models, multiple partners, multiple geographies and markets, different usage rates and scales of service
• Streamline everything from software updates to logistics to personalization in one place, and customizes the user experience in a significant new way
• Utilize a modular and scalable platform with reusable components, services and APIs
• Easily integrates with automakers' back-end systems

Why HARMAN?

Shortening Time-to-Market
Shorten your time from concept to delivery using our best practices, turn-key delivery models and rich talent pool.

Cross-platform
Take advantage of our experience in multiple industry verticals and leading platforms to rapidly exploit new market opportunities.

Global delivery footprint
Our skilled, talented engineers deliver solutions to companies like yours from centers throughout the world.

Solution accelerators
Get access to leading edge innovation and best practice by using our solution accelerators and global pool of partnerships.

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Features and Benefits

Reduces time to market using pre-packaged common industry use cases	Pre-packaged use cases cover common industry-wide scenarios such as warranty analytics, driver behavior, fault detection and more.
Best practices	Provides best practices and prescriptive guidance to help OEMs leverage cloud computing for Connected Vehicle architecture.
Multisite, multi-tenant operations	• Architected and designed for multisite, multi-tenancy operations and can be deployed as a single server instance either in an organization's private, hybrid or public cloud environment. • Helps organizations achieve business outcomes quickly with lowest TCO and focus on core business priorities.
Easy access to information and entertainment	• Provides easy access to the information and entertainment drivers want – throughout the vehicle/owner lifecycle – with dynamic revenue models for subscription, metering, and licensing.
Connectivity	Facilitates the delivery of data communication services on mobile and other communications networks.
Actionable analytics	• Pre-built business value analytics models that are rapidly deployable and customizable. • Real-time predictive analytics with actionable recommendations
Device Management	Enables remote management, monitoring, analysis and configuration of connected devices.
Application Management	Accelerates and simplifies the development of solutions, providing common horizontal solution components, prebuilt accelerators and re-usable scenarios.
Secure by design	Includes "Security first" design approach to ensure high standards of security required by all automotive ecosystem actors.
Data powered	Helps build applications/services harnessing the power of data from the TCUs/ECUs, vehicle sensors, OEM and Third-party Cloud Solutions.
Flexible and Immutable architecture	Has an ability to interoperate and replace any component with minimal or no impact for other services.
Over-the-Air updates	Allows Over-the-Air (OTA) orchestration of firmware updates, software updates, and data collection
Reliable	Manages rapidly increasing subscriptions, transactions, software and data transmissions.

Partner with an industry expert

HARMAN Connected Services, a leader in software design and development, helps global brands dramatically reduce time-to-market while improving quality and productivity. Our end-to-end software engineering, IoT and data analytics services enable the world's top automotive, mobile and communications and software-enabled businesses drive innovation-led growth. Via our over-the-air (OTA) software update, virtualization and device management solutions we keep billions of mobile, automotive and IoT devices of all sizes and complexity continuously and reliably relevant and secure. The mobile devices and intelligent systems that we power are connected, integrated and protected across all platforms and reach every corner of today's digital world. HARMAN Connected Services is a division of HARMAN (NYSE:HAR), the leading global infotainment, audio and software services company.

Visit our website at **harmanconnected.services/harman-ignite**

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