



Large Automotive Association Unlocks Total Business Confidence with Eclipses as a Policy.

Executive Summary

Large Automotive Association needed enhanced security to match rising interconnectivity trends. As cars continue to develop more computer functions, the impact of a data breach becomes exponential.

Though selling anything to an automotive vendor is hard to do because of the fragmentation, (every client has their own Domain Name System and Customer Relationship Management). Eclipses was noted as the one product where every stakeholder had immediate buy-in.

Eclipses was able to secure all data-in-transit between endpoints. Immediately mitigating eight of the ten OWASP API Vulnerabilities and guaranteeing data verification and security for The Association. This led to greater client trust in being able to maintain total control over one's own vehicle. Positively impacting both memberships and sales.

Increasing Automotive interconnectivity

Driven by advancements in IoT, 5G, and cloud technologies, cars are now transforming into sophisticated digital platforms. Connected cars now enable seamless communication with other cars and phones, as well as outside networks and infrastructure. Features like real-time navigation, over-the-air software updates, and vehicle-to-everything (V2X) communication are paving the way for autonomous driving and smart city integration.

While this movement brings unprecedented convenience, safety, and driving efficiency, it also presents significant challenges. One of the biggest challenges is cybersecurity and data privacy. Security experts are hyper focused on system integrity, personal data protection, and passenger safety.

“Because the impact of a vehicular hack can quite literally be life-or-death, we needed bulletproof API security.”

– Automotive Representative

Eclipses immediately addresses 80% of the top 10 API vulnerabilities. Safeguarding Object Level Access Control, Resource-intensive API requests, business-critical API flows, and endpoint security.

“With cars turning into computers, everyone in the car business is focused on social engineering and identifying risks. With MTE you get to a place where blockchain is no longer essential. Removing a lot of the headache of trying to coordinate development between enterprises”

- Automotive Representative

Due to the vast volume of proprietary and affiliate applications, Automotive Association is implementing Eclipses for one use-case today. They plan to implement Eclipses-as-a-Policy by the end of the year 2025.

www.eclipses.com

Challenges

- DMS breach caused \$1B loss to Automotive industry
- Rise in interconnectivity as cars develop more computer functions
- Increased impact of breach with increased API exposure

Solutions

- Decreased headache of coordinating development between Enterprises
- Immediate mitigation of 80% of OWASP top 10 API vulnerabilities
- Guaranteed API generated and consumed data is verified and secure

Results

- Increased Consumer trust in total vehicle control
- Increased Memberships and Member Satisfaction
- More time spent on innovation developing new interconnectivity features

About the Customer

Automotive Association is a well-established federation of motor clubs across North America, widely recognized for its range of services. Including roadside assistance, travel planning, and insurance offerings, repair referrals, member discounts, and various financial services.

Its reputation for reliability and customer service allows them to cater to both individuals and businesses. Ensuring safety, convenience, and affordability for travelers and drivers



Bulletproof API Security as a Policy

Large Automotive runs on AWS Elastic Kubernetes Service (EKS), and Eclipses MTE API Relay sits as an outside proxy with zero interruption to the existing environment or enduser experience. Because MTE only accepts requests from its own technology, it must be implemented on both the client and server endpoints.

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Automobile Association and Trusted Advisors predict Eclipses-as-a-Policy will become the new security standard for the automotive and travel industry.

Where traditional protocols are imperfect (leaving data exposed in plaintext during runtime) Eclipses encrypts at the application layer (Layer 7), using unique, one-time-use cryptographic values. Seamlessly integrating with AWS infrastructure and native services and delivering end-to-end protection without disrupting workflows or user experiences.

Eclipses immediately mitigates eight out of ten API Vulnerabilities and seven out of ten data governance and compliance vulnerabilities. Making it the obvious choice for an additional and affordable layer of security.

AWS Security

“Our servers run on Amazon Web Services (AWS),” Automotive Representative states. “We can run Eclipses directly in our own Virtual Network so there is absolutely no reliance on third-party solution. This was a key selling point; the ability to own and control our own data.”

Eclipses Integrates seamlessly with AWS infrastructure and native services. This provides end-to-end data protection without disrupting the existing environment or end-user experience. Combined with AWS native security services, Automotive Association has unlocked business confidence by increasing consumer trust in tomorrow’s interconnected digital landscape.

Automotive Association runs on AWS Elastic Container Solution and trusts Amazon Cloud Watch to monitor its AWS resources and applications. It also uses Amazon Secrets Manager to store, manage, and retrieve secrets safely and securely.

AWS Marketplace

The Automotive Association had been vetting Eclipses technology for a while but was waiting for it to become available on AWS Marketplace which is where it prefers to buy all its software. AWS Marketplace provides seamless, user-friendly procurement as well as Enterprise Discount Programs for major Enterprises like the Association.

About the Partner

Eclipses, is an APN-differentiated software partner and AWS Container and Security Competency partner. Revolutionizing data security in transit and at the edge. Its containerized security and non-patterned encryption ensure intercepted data remains useless to attackers. Securing tokens, credentials, and sensitive data.

Following quantum-resistant Crystals-Kyber algorithm encryption. Eclipses is FIPS 140-3 validated. Futureproofing enterprise-grade security for application data, APIs, access management, and cloud migration to AWS.

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