

2021 / Case Study

An Automobile Manufacturer Moves to Consolidate A Multi-Cloud Infrastructure through Aviatrix

Introduction

A leading automotive manufacturer utilized Aviatrix to modernize their hybrid cloud infrastructure by eliminating inefficiencies, securing their network, and maximizing performance through a single pane of glass.

This resulted in a more secure, lean, and efficient environment through reduced training, maintenance, and overhead costs of operating a multi-cloud infrastructure.

Customer Background

With manufacturing and R&D facilities located throughout the world, the auto manufacturer was looking into a digital business venture based on a cloud-based platform—separate from being in the business of making cars. Such efforts are table stakes in the automotive manufacturing industry, because organizations are trying to disrupt competitors or pre-empt their own disruption. In order to realize its target, the company needed to significantly reduce its on-prem footprint and adopt a secure, cloud-centric operating model. It started from scratch, and embarked on modernization initiatives that would result in cost-effective, secure, efficient business operations, while positioning itself to scale in the future. These initiatives included: changing the company's culture, replacing legacy systems and revamping its computing infrastructure, training staff about new cloud-based technologies, and streamlining business processes to boost speed and scale while reducing wasteful projects.

However, the company transitioned to a cloud-based model with potential for security leaks, and ended-up on a hybrid solution that was insecure and non-scalable. The complexities of native cloud constructs, training of staff, and business requirements further reduced the agility of cloud IT teams in a multi-cloud environment. The company wanted to find a way to reduce its security, financial, and reputational risks while increasing the power of business units and employee groups to adapt to evolving needs.

Aviatrix Cloud Platform

A recent Forrester TEI study shows how the Aviatrix Cloud Network Platform enables you to manage the complexities of multi-cloud networking and unlock business-wide financial benefits across 3 key areas: readiness, service delivery, operational efficiency.

The Aviatrix Cloud Network Platform pays for itself two times over in three years, as customers receive an average of **222% ROI**



Reduced operating costs



Ensured regulatory compliance and regional availability



Securely transfer customer data and maintain your brand reputation



Business continuity through increased network uptime



Advanced visibility and troubleshooting tools

Solution Mapping

Business Challenge	Aviatrix Solution
Costly and insecure hybrid cloud infrastructure increases business continuity and reputational risk	<ul style="list-style-type: none"> A flexible transit strategy that simplifies and integrates a cloud-enabled enterprise with third-party CoLo's; policy-based next-generation firewalls in the cloud; and near-line rate high-performance encryption on private circuits (e.g. Direct Connect or ExpressRoute) Remove the need to learn complex native scripts and cloud constructs and instead manage from a single Aviatrix Controller instead
Difficulty managing Identity and Access Management (IAM) for multiple clouds across multiple regions increases security risk and potential for a cyber breach	Simplified onboarding and management of accounts across clouds from a central location
Managing mundane tasks (e.g., routing tables) with manual processes not only increases overhead cost but also poses security concerns and network integrity issues	A control plane that automatically learns, programs, and manages routing tables across clouds
External partners and customers with overlapping IP ranges are unable to connect to the enterprise, which increases reputational risk	Remove the configuration overhead and have Aviatrix auto-manage overlapping IP addresses
Lack of cloud visibility and troubleshooting tools to investigate network health and cyber attacks	Significantly decrease mean-time-to-resolution (MTTR) of complex networking problems using advanced troubleshooting and monitoring tools that are not natively available by Cloud Service Providers (CSPs)

Key Results



A secure, leaner cloud

A common, repeatable network and security architecture that maximizes return on investment

The auto manufacturer utilized Aviatrix to secure and consolidate their network infrastructure. IT teams are now able to provide high availability, visibility and troubleshooting capabilities to cloud operations teams.



Reduced operational overhead

Increased network engineer efficiency by 50-70%¹

Aviatrix also removed the need for complex cloud native scripts through automation. IT teams are agile, and empowered to focus on maximizing their assets instead of worrying about scalability, maintenance, and security.



Policy-based Inspection and End-to-End Encryption

Traffic inspection and encryption across multi-cloud environment

With Aviatrix, the automobile manufacturer has mitigated the financial and security headache of managing a complex hybrid cloud environment. Now, it is able to focus on providing business value for its customers and partners, whether internal or external, while maintaining compliance.

Are you ready?



[Click to Schedule a Demo](#)

Being prepared for the multi-cloud environment is an urgent imperative for automotive companies. But it needs to be done in the right way. Multi-cloud maturity will increasingly define the winners and losers in the years to come. Aviatrix is redefining networking for the cloud and putting enterprise IT back in control.

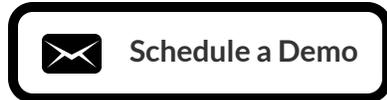
The Aviatrix cloud network platform delivers a single, secure, common platform for multi-cloud networking, regardless of public cloud providers used. Aviatrix delivers the simplicity and agility enterprises expect in the cloud with the operations and security they require.

The people at Aviatrix are its real assets. We have experts from all major Cloud Service Providers (CSPs) who bind together for a single goal: delighting our customers. Our team also has deep expertise in the automotive industry and a track record of helping automotive companies develop strategies to increase agility and accelerate innovation. We invite you to contact us to discuss your requirements and learn more about how Aviatrix can transform your business.

Aviatrix customers receive 222% ROI on average

A well-designed multi-cloud network architecture delivers business-wide cost savings and new revenue generation opportunities. Whether you want to ensure your organization is prepared for a future multi-cloud strategy or unlock the financial benefits of an existing multi-cloud infrastructure, Aviatrix can help. The Aviatrix Cloud Network Platform enables you to leverage the simplicity and agility you expect from the cloud, while enabling you to meet the operational and security requirements needed to extract the most value out of every cloud provider you use.

Aviatrix is simple to deploy. Most of our customers launch and begin using our services in a single afternoon with experts on-hand to help.



About Aviatrix

Aviatrix cloud network platform delivers advanced networking, security and operational visibility and control required by enterprises, with the simplicity and agility of cloud. More than 500 customers worldwide leverage Aviatrix and its proven multi-cloud network reference architecture to design, deploy and operate a repeatable network and security architecture that is consistent across any public cloud. Combined with the industry's first and only multi-cloud networking certification ([ACE](#)), Aviatrix is empowering IT to lead and accelerate the transformation to the cloud. Learn more at aviatrix.com.

Sources

1. The Total Economic Impact™ of the Aviatrix Cloud Network Platform. Forrester Consulting, 2021

