

Amundi Technology Alleviates Hybrid Cloud Growing Pains with Aviatrix

Amundi, the leading European asset manager ranking among the top 10 global players, manages more than €2 trillion in assets and offers a complete range of savings and investment solutions to retail, institutional, and corporate clients.

Amundi Technology is Amundi's business line dedicated to providing technology solutions and services for the savings and asset management industry. Their ALTO Platform offers a comprehensive range of solutions that allow clients to focus on their core business. Amundi Technology uses a hybrid cloud approach with production applications both on-premises and in Azure. This hybrid infrastructure was initially designed for ALTO SaaS Platform access / usage and has expanded to support the workplace, generative AI, and cyber resiliency needs of business lines.

"While we are already running a solid foundation supporting enterprise business-critical services and workloads in multiple regions, we also have significant work in progress to enhance Terraform usage, enforce deeper network segmentation, and leverage new Aviatrix features around network security orchestration," said Thomas Mouilleseaux, Global Head of IT Network, Unified Communication & Market Data at Amundi Technology.

Heterogeneous cloud network requiring modernization

Amundi Technology engineers were individually managing public cloud native network and network security resources, leading to configuration and visibility challenges in the infrastructure. As the technology landscape continued to evolve, they saw the chance to address these challenges and improve operations.

Mouilleseaux summed up the challenges saying, "Our initial need was to get our cloud network environment under control and ease onboarding of the network team. The Aviatrix centralized control plane and CoPilot capabilities just make our lives easier but also keeps our security team happy."

Consistency, visibility, and control

The Aviatrix solution gives power back to Amundi's network administrators to deliver cloud connectivity without compromise. It provides clear visibility and centralized control across Amundi's cloud landscape with key features like multi-region transit, internet Egress FQDN filtering, and network domains inter-VNet segmentation.

A hybrid cloud environment to support growth

With Aviatrix, Amundi optimized on-premises connectivity capacity and service level through a different underlay – ExpressRoute vs. Internet – while enforcing encryption at the overlay level. Aviatrix's multi-transit architecture has greatly eased the multi-region extension of the platform into Asia.

The ability to troubleshoot network issues also vastly improved thanks to network-oriented features like topology views and traffic/flows monitoring, as well as diagnostic tools such as packet capture, traceroute, tracepath, and sessions. The team has regained confidence in their public cloud environment.

All of this enables Amundi Technology to more efficiently onboard ALTO SaaS clients and provide cloud-based services to Amundi's business lines.

"Aviatrix has been a key enabler to bring on-prem network engineers into the public cloud... the glue that holds the DevOps & Network teams together," said Mouilleseaux.

COMPANY

- Amundi Technology is the business line of Amundi, the leading European asset manager
- Amundi offers scalable end-to-end financial management and data platforms that empower asset managers, banks, and wealth managers to enhance capabilities and achieve impactful investment decisions

CHALLENGES

- Streamlining operations across data centers and cloud environments to simplify processes and enhance performance, security, and efficiency
- Consolidating operational control and visibility to better monitor, secure, and scale the hybrid environment network
- Supplementing default cloud provider tools with more comprehensive features to reduce troubleshooting time and resources
- Implementing more standardized encryption practices and centralizing control to bolster security and ensure compliance, mitigating risks of unauthorized access and data breaches

RESULTS

- Simplified cloud network management
- Easily enforced cloud network security policies
- Improved cloud network visibility & troubleshooting
- Ensured cloud network high-availability consistency
- A repeatable architecture for hybrid, multi-region, and multicloud connectivity