

Anheuser-Busch InBev Boosts Hybrid Infrastructure Knowledge and Control with Aviatrix



Anheuser-Busch InBev (AB InBev), a multinational drink and brewing company based in Leuven, Belgium, is the largest brewer in the world. It has more than 500 iconic brands in its portfolio, from time-honored classics enjoyed globally—including Budweiser, Corona Extra, Michelob ULTRA, and Stella Artois—to new local favorites.

The company runs a complex hybrid technology infrastructure, with over 80% of its infrastructure in the public cloud. AB InBev's cloud usage is primarily distributed across the three major cloud service providers (CSPs), but it also leverages additional providers in various geographic regions worldwide. As a consumer-packaged goods (CPG) manufacturer, AB InBev maintains certain systems and applications on-premises to meet operational requirements.

Lack of visibility hampered integration and infrastructure planning

Manaswinee Mohanty, Director of DevOps and Cloud Engineering at AB InBev, oversees the core digital technology team. "Our focus is on readiness, whether that's to roll out or expand an application, or to integrate the infrastructure of a newly acquired company," said Mohanty. "We need to make sure our hybrid cloud infrastructure is agile, flexible, and powerful enough to support whatever strategy the business undertakes."

The team was facing several challenges that complicated their efforts. They aimed to implement a hub-and-spoke infrastructure model that required clear insight into which applications were connecting to specific network resources. However, managing this across multiple CSPs and the data center proved to be a significant challenge.

Additionally, during M&A integration, they encountered overlapping CIDR ranges, leading to IP conflicts. This visibility issue became the catalyst for Mohanty to seek out a better solution. *(Continued)*

COMPANY

- Anheuser-Busch InBev (AB InBev), the largest brewer in the world, operates a complex hybrid cloud infrastructure to support its portfolio of 500+ brands
- AB InBev has over 80% of its infrastructure in the public cloud, using major cloud service providers (CSPs), smaller regional providers, and some on-premises systems and applications

CHALLENGES

- Lack of visibility across multiple cloud service providers and on-premises systems hindered operational and business agility
- Difficulty managing network resources and applications across a multi-region and multicloud environment
- IP conflicts during M&A due to overlapping CIDR ranges

RESULTS

- Aviatrix's Multi-Region and Multicloud Connectivity solution provided resilient and high-performance inter-region and inter-cloud network connectivity
- NAT capabilities addressed IP conflicts by "hiding" overlapping prefixes, ensuring seamless operations
- CostIQ offered valuable insights into cloud spending, improving forecasting and internal cross-charging
- Increased security posture with greater control and visibility, all managed with limited resources

Multiple levels of visibility

The Aviatrix Multi-Region and Multicloud Connectivity solution enables enterprises to build resilient and high-performance inter-region and inter-cloud network connectivity. Using a single Terraform module that is consistent end-to-end, organizations can spend less time writing code for connecting regions within and across clouds. Aviatrix provides a line rate encrypted network with intelligent routing across regions, enabling workloads deployed across VPC and VNETs to access a secure network with low latency and high performance. Aviatrix also provides a highly available network with active-active paths, dynamic routing, and scale, removing the route limits imposed by CSP cloud quotas and restrictions. Gathering network insights and telemetry within and across clouds is simplified with the open telemetry integrations offered by the Aviatrix observability platform.

Aviatrix's network address translation (NAT) capabilities provided an easy path to address the IP conflicts by allowing overlapping prefixes to be "hidden." As the AB InBev team explored additional Aviatrix capabilities, the team continued uncover additional use-cases for the solution.

"The Aviatrix Control Plane is one of the key features we value because of the visibility it provides across the entire environment," said Mohanty. "Another one we were eager to adopt was CostIQ, which give us a lot of visibility into how to manage our costs for proper forecasting and internal cross-charging."

Deeper insights and control over the network

With Aviatrix, the AB InBev team has deeper insights and greater control over their foundational network layer. This enabled them to improve their processes, shorten turnaround times, and increase their security posture. By automating core deployments, they streamlined management, enabling their small team to remain highly productive while requiring fewer resources.

"One thing in particular that has changed for us with Aviatrix is data transfer across geographical regions," said Mohanty. "Having this modern generation technology really helped our matrix structure."

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- Manaswinee Mohanty,
Director of DevOps and
Cloud Engineering

GET STARTED

Get started with a free trial of Aviatrix. Give your cloud, networking, and security teams the power to be business heroes with the only secure networking solution built specifically for the cloud.