



OPCITO TECHNOLOGIES

Network integration and monitoring for multi-cloud environment

About The Customer

The customer is a leader in providing unified and secure networking and management platforms. Their flagship product offers a zero-trust gateway provisioning specifically designed for Generative AI/Large Language Models (GenAI/LLM) and Cloud Access. Their solution empowers infrastructure and cloud security teams to enhance their security posture.

Business Challenge

Organizations today face significant challenges in effectively managing their increasingly complex and distributed network environments. One major hurdle is the difficulty in visualizing and understanding network topology across multiple cloud providers, making it hard to gain a holistic view of their entire network infrastructure. This lack of visibility hindered the customer's proactive planning and troubleshooting. Furthermore, they relied on inadequate monitoring tools that failed to provide comprehensive insights into network performance, making it challenging to identify bottlenecks, optimize resource utilization, and ensure optimal network performance. Also, the absence of real-time alerts for critical network events significantly hampered their ability to respond promptly to issues, leading to increased downtime, service disruptions, and potential security breaches. These challenges highlighted the critical need for a robust and intelligent network management solution that could provide enhanced visibility, proactive monitoring, and rapid response capabilities.

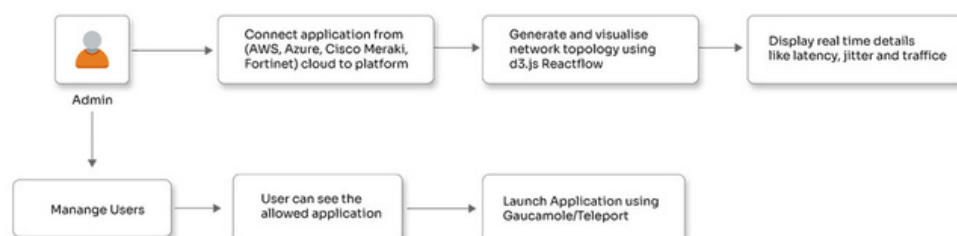
How Opcito Helped

To address these challenges, Opcito's experts developed a comprehensive solution that includes:

- **Agentless connectivity:** The Opcito team enabled smooth integration within multi-cloud networks by introducing agentless connectivity. This removed the necessity for additional software installations on network devices, simplifying connectivity and improving operational efficiency.
- **Real-time network topology visualization:** Understanding the complexities of network structures is essential. Opcito developed an advanced platform that provides real-time visualizations of the entire network topology. The tool gave the customers a comprehensive and intuitive view of the network's architecture, allowing them to navigate and manage it easily.

How Opcito Helped

- **Advanced performance monitoring:** To ensure optimal network functionality, the company deployed sophisticated performance monitoring tools that furnish in-depth insights into network performance across diverse cloud environments. This proactive approach allowed the customer to quickly identify and fix performance issues, enhancing efficiency and reliability.
- **Multi-cloud connectivity management:** Opcito meticulously optimized connectivity among various cloud providers, recognizing the critical need for seamless service integration. This strategic enhancement allowed the customer to fully realize the advantages of a multi-cloud architecture, fostering improved flexibility and scalability.
- **User-friendly web interface:** The UI/UX specialists crafted visually appealing and intuitive web interfaces designed to elevate the user experience. This thoughtful design enhances network management efficiency, making it more accessible and user-friendly for the customer.
- **Real-time alerting:** Finally, Opcito's experts implemented a robust real-time alert system that proactively notifies users of potential issues and signs of performance degradation. This timely intervention allows for prompt resolution of issues, significantly minimizing downtime and ensuring continuous operational effectiveness.



Technologies, Tools, and Platforms used

REACT

TYPESCRIPT

GOLANG

MONGODB

Benefits

PERFORMANCE MONITORING WITH REAL-TIME ALERTS

Proactively identified network issues and alerted users, enabling swift resolution and minimizing downtime

AGENTLESS INTEGRATION WITH SEAMLESS VENDOR SWITCHING

Eliminated device agent installations, simplifying deployment while enhancing flexibility across multiple vendors and cloud providers



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Benefits

POLICY & CONNECTIVITY MANAGEMENT

Enforced security policies while providing granular traffic control, optimizing performance, and reducing operational overhead

NETWORK TOPOLOGY VISUALIZATION

Delivered intuitive visual representation of network infrastructure, speeding issue resolution and improving planning for optimal performance

About Opcito

At Opcito, we believe in designing transformational solutions for our customers, start-ups, and enterprises, with our ability to unify quality, reliability, and cost-effectiveness at any scale. Our core work culture focuses on adding material value to your products by leveraging best practices in DevOps, like continuous integration, continuous delivery, and automation, coupled with disruptive technologies like containers, serverless computing, and microservice-based architectures. We also believe in high standards for quality with a zero-bug policy and zero downtime deployment approach.