

The Assurance Cloud™



Challenges

Increasingly fluid telco networks bring operational complexity and cost

As the telecom industry embrace digital transformation, the emphasis is shifting to innovative, on-demand, real-time digital services. This demands new ways of launching, monitoring, managing and ensuring the quality and performance of services and networks. Traditional service assurance systems, built for simple, static communications services, cannot keep pace with today's rate of innovation, lacking support for increasingly critical capabilities such as AI/ML-driven closed loop automation. To compete effectively, CSPs need an agile, flexible and cloud-native service assurance capability, eliminating a long-standing bottleneck in service deployment and operations



MYCOM OSI's Assurance Cloud™

Digital Operations through Automated Network Management powered by the cloud

The Assurance Cloud™ enables CSPs to visualize, automate and optimize digital experiences, as well as service and network quality, through integrated, real-time assurance, closed-loop automation and analytics, driven by AI/Machine Learning (ML). The telecom industry's first carrier-grade service assurance SaaS offering, the Assurance Cloud™ delivers business agility by eliminating months of deployment time and effort, avoiding system infrastructure management risk and costs, and enabling on-demand expansion and feature activation. With a predictable subscription service model, the Assurance Cloud™ is 5G-ready and future-proof, enabling CSPs to accelerate their journey to Digital Service Providers (DSPs) by deploying AI/ML at scale to realize the vision of highly automated network and service operations.

Benefits

The Assurance Cloud™ enables CSPs to accelerate digital transformation. Proven at some of the world's largest, most complex networks, it allows Network and Service Operation Centers (NOC/SOCs) to shift from intensive, repetitive tasks to adding business value.



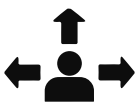
Agile

Deployed, ready to ingest data in under an hour, with a growing catalog of end-to-end outcomes based digital transformation solutions. The Assurance Cloud™ enables CSPs to rapidly solve specific operational challenges



On-Demand

Activate feature or solutions on demand. Eliminate lengthy, costly infrastructure setup. Scale up and out on demand across a global footprint. Manage compute-intensive AI/ML workloads and data bursts.



Predictable

Precisely scale, scope and adapt your service assurance capability based on your specific business needs, with a commercial framework that provides full control over spend and access to exactly the features and solutions you need



Active

Vendor and technology-agnostic interoperability with hybrid networks, including evolving SDN, NFV, Telco Cloud and Cloud-RAN technologies. Our CI/CD approach adapts to the latest developments, keeping you ahead of the curve

MYCOM OSI's Assurance Cloud™ on AWS

By leveraging a range of AWS' most cutting-edge tools; the Assurance Cloud™ provides improved reliability, security and performance, even when operating from an Availability Zone thousands of miles away. By completely controlling the deployment infrastructure, MYCOM OSI can deliver performance and availability guarantees not otherwise possible. This includes high availability, driven by an active-active architecture for resilience to outages; and protection from surges in data throughput, seamlessly expanding processing capacity to maintain application speed and reliability even in extreme usage scenarios.

Features



Built-in Security

Leveraging AWS tools to maximize security such as Amazon Direct Connect, AWS WAF and Bastion VPC to deliver encryption at rest & in transit, CIS compliant OS hardening and continuous penetration testing as well as environment isolation and separation, the Assurance Cloud™ delivers the highest possible security, so CSPs can concentrate on managing network and service operations. MYCOM OSI provides Security Operations (SecOps) throughout the subscription term of every customer



Built-in High Availability

The Assurance Cloud™ eliminates the cost to CSPs of system maintenance, with automated resource and application elasticity with an active/active and active/passive containerized microservices architecture, using tools such as Amazon EFS and RDS for replication across multiple availability zones, so that when the system is needed the most, it performs where traditional service assurance capabilities can fail due to infrastructure constraints. MYCOM OSI's cloud management platform allows for proactive monitoring to maintain peak performance across all its customers.

Case Study: Globe Telecom



Challenges of rapid growth

Like many CSPs, Globe Telecom had acquired several domain-specific assurance systems over the years. Coupled with double-digit subscriber growth and rapidly emerging new revenue streams, it needed a unified, scalable, flexible assurance capability



A scalable solution

MYCOM OSI helped Globe unify its assurance silos, providing a platform that evolves at the pace of DevOps, grows with its business and rises to the challenge of managing the quality of a new generation of digital services



Results

The capability is widely adopted by a diverse set of operational and business teams, significantly improving issue resolution times and comfortably handling a growing network, today processing billions of data records and millions of objects

Get started with MYCOM OSI solutions on AWS

www.mycom-osi.com/assurance-cloud