

## The Assurance Cloud™

The world's first carrier-grade Service Assurance SaaS offering

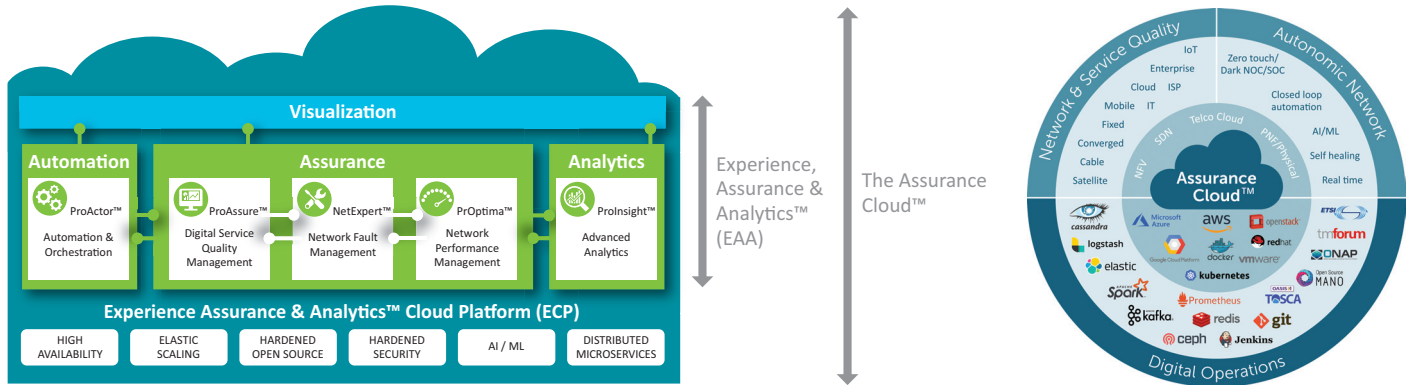
Deliver the promise of guaranteed digital and enterprise service experiences in a fraction of the time. Accelerate your digital transformation with lower TCO



## The Assurance Cloud™ enables business agility

As Communication Service Providers (CSPs) embrace digital transformation, the emphasis is shifting to innovative, on-demand, real-time consumer and enterprise digital service opportunities. This demands new ways of launching, monitoring, managing and ensuring the quality and performance of services and networks with an ever-increasing degree of automation.

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 Assurance Cloud™ advantage

The Assurance Cloud™ is the telecom industry’s first carrier-grade service assurance SaaS offering. It 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.

“As the telco industry moves towards cloudification of networks to increase innovation, agility and scalability, service quality and performance are at the top of mind for telco leaders”

Darrell Jordan-Smith,  
Vice President of Global  
Telecommunications &  
ICT, Red Hat

### Business Agility



#### Accelerate your digital transformation

The Assurance Cloud™ is deployed and ready to ingest data in under 1 hour. A growing catalogue of end-to-end outcomes based digital transformation solutions rapidly solves specific business challenges.

### 5G-Ready



#### Assure the Promise of 5G and beyond

The Assurance Cloud™ offers built-in vendor and technology-agnostic interoperability with hybrid networks, including rapidly evolving SDN, NFV, Telco Cloud and Cloud-RAN technologies. Our CI/CD approach to development adapts to the latest developments in 5G, keeping CSPs ahead of the 5G curve.

### Carrier Grade



#### Supporting mission-critical, real-time assurance

Built-in active-active geo-redundant, containerized architecture delivering 99.99% availability, carrier-grade security and hundreds of backups per day. Seamlessly handles unplanned data bursts of 500%.

### AI/ML Powered Networks



#### Accelerate the journey towards Zero-Touch Automation

Leverage the massive compute and analytics power of the cloud, deploy pro-active closed loop automation of up to 95% of NOC/SOC operations and optimize network RoI, enabling you to deliver superior experiences and concentrate on finding and exploiting new growth opportunities.

### On-Demand



#### Scale-up on-demand. Eliminate months of infrastructure management time and effort

Activate any feature or solution, current and future, on demand. Eliminate lengthy, costly infrastructure acquisition. Roll out use cases on-demand across a global footprint. The Assurance Cloud™ scales effortlessly.

### Predictable



#### Control your spend with a flexible, value-based business model

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

## The Assurance Cloud™ Key Features - Digital Operations and automated network management powered by the cloud

The Assurance Cloud™ provides CSPs with a cloud-native and self-orchestrated assurance software suite based on micro-services architecture principles, containerization, big data storage and agile DevOps continuous integration and deployment (CI/CD) pipelining. Combined with a predictable business model and the massive resources of the cloud, this is enabling today Tier 1 CSPs to adopt a much more agile approach to service assurance, support on-demand digital service lifecycles and benefit from the evolving network and service technology landscape.

### KEY FEATURES

#### On-Demand Deployment & Activation

- Activate new domains and applications on demand
- Expand users, capacity and use cases on demand, in line with your business transformation needs
- Experience zero downtime for updates
- An all-you-can-eat, future-proof business model

#### 5G, SDN/NFV, Hybrid and Cloud-Ready

- Native MANO support enabling closed-loop automation
- Native support for TMF and ETSI Open APIs
- Vendor-agnostic legacy network support: 200+ adapters built-in
- Subscription includes access to future technologies such as 5G at no additional charge

#### Digital Agility, Elastic Scalability

- Self-orchestrated assurance software suite based on micro-services architecture principles, containerization, big data storage and agile DevOps CI/CD pipelining
- Full active-active geo-redundancy and distributed, containerized architecture, delivering 99.99% availability at no additional cost
- The highest security protection measures available commercially today

#### Outcomes-Based Solutions Catalogue

- Growing catalogue of pre-integrated end-to-end use case-based solutions
- Support for advanced scenarios including auto-healing, capacity-based planning and special event management
- Support for CSP process simplification & transformation

## The Assurance Cloud™ Experience Assurance & Analytics™ (EAA) Applications

The award winning EAA suite provides end-to-end assurance, bringing together disjointed assurance data into a single view, linking network performance with service quality and customer experience.



#### EAA ProOptima™ End-to-End Performance Management

A scalable and flexible network/resource performance management solution that empowers NOC/SOC teams with actionable intelligence across all domains, functions and vendors, reducing complexity and enabling proactive problem resolution



#### EAA ProAssure™ Digital Service Quality Management

A cloud-native proactive digital service quality management solution that assures digital Quality of Service (QoS), enabling the proactive management of digital services in complex ecosystems spanning physical, hybrid and virtualized networks



#### EAA ProActor™ Automation & Orchestration

An Automation & Orchestration solution that standardizes operational procedures based on best practices, increases the speed/frequency of essential activities and frees up valuable resources to focus on problem resolution



#### EAA NetExpert™ Network Fault Management

An advanced fault management solution that empowers NOC/SOC teams with actionable intelligence on faults and alerts, reducing the number from billions to those that genuinely require attention to safeguard service quality



#### EAA ProInsight™ Advanced Analytics

A next-generation analytics solution that delivers network utilization and customer behavior insights by blending network and service information with non-network data such as usage, tariff plans and customer profiles



#### EAA Cloud Platform (ECP) Cloud-Native Platform

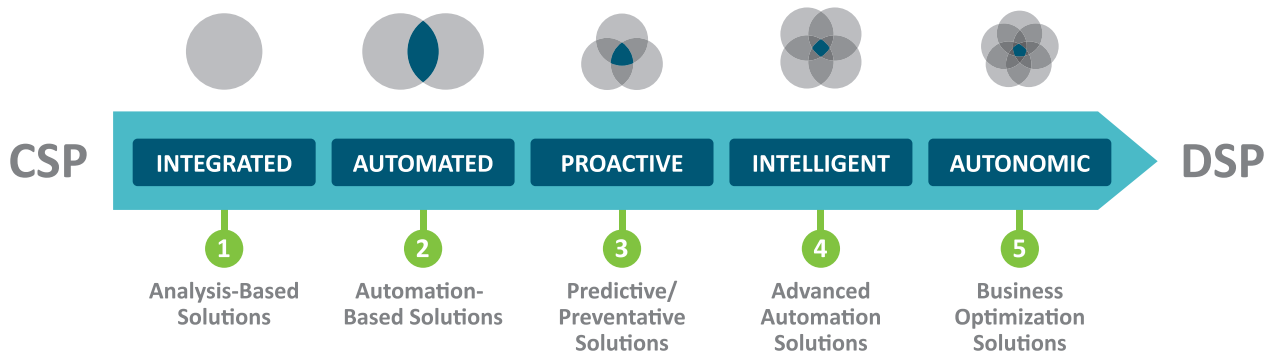
A next-generation cloud-native platform with a common 'Unified Network Inventory & Topology' (UNIT) data model, open API support, real-time processing and modelling, powering a unified, integrated assurance capability

"MYCOM OSI were the best fit for our strategy of delivering a quality and reliable network experience for all of our customers"

Bryn Jones  
Chief Technology  
Officer, Three UK

## The Assurance Cloud™ Integrated Digital Transformation Solutions: deliver specific business objectives faster, under an all-you-can-eat business model

MYCOM OSI helps CSPs deploy a next generation NOC/SOC by integrating use case-based solutions into its integrated EAA suite. These enable NOC/SOC teams to be proactive and efficient through high levels of automation, intelligence-led analytics and assurance of highly complex hybrid networks that deliver high levels of quality and customer experience.



### Digital Transformation Solutions examples

#### Root Cause Analytics (RCA)

- MSC Route Performance RCA™
- Sleeping Cell Predictive RCA™
- Service Quality RCA™
- Service Impact RCA™

#### Automation

- Special Event Manager™
- Sleeping Cell Autohealer™
- Core Automation Solutions™

#### Auditing & Optimization

- Value-Based Capacity Planner™
- Parameter Auditor™

#### Analytics

- VoLTE Mute Call Analyzer™
- Service Quality Analyzer™
- Browsing Issue Analyzer™
- Traffic & Capacity Analyzer™
- Worst Cluster Analyzer™

#### Monitoring

- Early Warning Monitor™
- Special Event Monitor™
- Network Technology Monitors™

#### Reporting

- National KPI Reporter™
- Multi-Domain Reporter™
- JVCO Reporter™



### About MYCOM OSI

MYCOM OSI is a leader in Network Assurance and Experience Assurance solutions that enable Communications Service Providers (CSPs), Managed Service Providers (MSPs) and enterprises to launch and manage mobile and enterprise services with high performance, at scale. Its telco transformation solutions are based on 25+ years of experience and expertise gained at the world's largest, most diverse and most complex networks.

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