WHY RADCOM FOR 5G

ABOUT RADCOM

RADCOM is the leading expert in cloud-native, automated assurance solutions with AI and ML driven insights to ensure a superior customer experience.

30 years
of telecom
experience

Publicly traded
on NASDAQ (RDCM)
since 1997

Offers
Cloud-native assurance for mobile and fixed networks

OUR SOLUTION: RADCOM ACE

RADCOM ACE is a powerful combination of fully cloud-native, and containerized Service Assurance, and AI and ML based Customer Experience and Network Insights. Together they enable telecom operators to gain full network visibility across multiple network domains (fixed and mobile) and cloud environments (public, private, and hybrid) to help optimize service quality and ensure a superior customer experience.

We invest heavily in 5G product development and have progressed significantly on our advanced cloud technology which is already being used to monitor 5G SA networks around the globe. Furthermore, we deploy a full CI/CD development pipeline enabling operators to continually receive a cutting-edge solution in-line with the latest 5G developments with drastically improved implementation times for updates and upgrades with minimal to no downtime.

> Our product, RADCOM ACE, is a top-tier cloud-native solution, built for automated 5G assurance that seamlessly integrates into the 5G core as a Cloud-Native Function (CNF) and is compatible with any public cloud, such as AWS and Azure.

RADCOM ACE runs as a cloud-native function (CNF) and is cloud agnostic providing a closed-loop approach to automated assurance for Standalone (SA) 5G by seamlessly integrating with Kubernetes. Being Service-Based Architecture (SBA) ready, the solution supports advanced 5G assurance capabilities such as complex Control and User Plane Separation (CUPS) correlation with our patented solution, new CUPS protocol decoding and the Packet Forwarding Control Protocol. With full CUPS support operators gain real-time subscriber analytics at the network edge for advanced troubleshooting and network optimization of edge services.

This disruptive technology provides end-to-end network troubleshooting from the KPI level down to the session/packet level, critical when rolling out new network architectures.

RADCOM ACE
ADVANTAGES

- **Fully Cloud-Native** RADCOM ACE is developed from the ground up with a cloud-native design, allowing rapid deployment as containers or virtual machines on multiple cloud environments (public, private, and hybrid) such as Microsoft Azure and Amazon Web Services or on-premises. Utilizing Kubernetes (K8s) or other leading orchestrators for automating deployment, scaling, and managing the assurance components.

- **Advanced built-in AI and ML** Our AI and ML capabilities are built into the solution from inception allowing for a variety of AI-based use cases, such as Anomaly detection, Predictive and Prescriptive Customer Experience analytics, Predictive and Dynamic Slice Quality KPIs and more.

- **Automated Assurance** Automates solution deployment for on-demand instantiation, scaling, healing, and updating for a closed-loop approach to assurance with Kubernetes controlling the containerized components lifecycle

- **Built for 5G** Full support for SA 5G (auto-service detect, SBA architecture, SBI deciphering and complex CUPS correlation, Packet Forwarding Control Protocol (PFCP), new aggregations, and dimensioning)

- **Supports SA 5G advanced use cases** Smartly monitors private networks, edge computing and end-to-end network slicing. (For the full solution go to chapter 9)

- **Slicing & NWDAF** Our solution allows real-time individual Slices monitoring, providing a plethora of KPI and KQIs. Furthermore, ACE NWDAF capability enables Close Loop Automation by processing real time data from the assurance platform and triggering the relevant actions towards the PCF and NSSF, resulting in highest customer experience levels.

ABOUT RADCOM

RADCOM is the leading expert in cloud-native, automated service assurance solutions for telecom operators running 5G and 4G networks.

RADCOM (Nasdaq: RDCM) delivers real-time network analysis, troubleshooting, and AI-driven insights to ensure a superior customer experience. Utilizing cutting-edge technologies for over 30 years, we are the operators' eyes into their network supporting them as they transition to new network technologies such as the cloud and 5G. Delivering dynamic service assurance for an accelerated digital transformation.

We offer the most advanced 5G portfolio for large-scale networks, providing operators with a smart, efficient, and on-demand approach to network monitoring that meets the challenges of assuring the customer experience in the 5G era. Our leading solution, RADCOM ACE, is explicitly designed for telecom operators, delivering Automated, Containerized, and End-to-end network visibility.

Using our innovative technology, we enable operators to seamlessly manage and optimize their network operation.

Global Footprint	Leading Cloud-Native Technology	Proven Solutions

"Deploying RADCOM ACE on our network helps us identify service issues in real-time and troubleshoot them, tasks which are essential for smoothly migrating our customers to the new 5G network and onboarding new customers while maintaining the highest quality of service."

Tareq Amin, chief technology officer of Rakuten Mobile

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