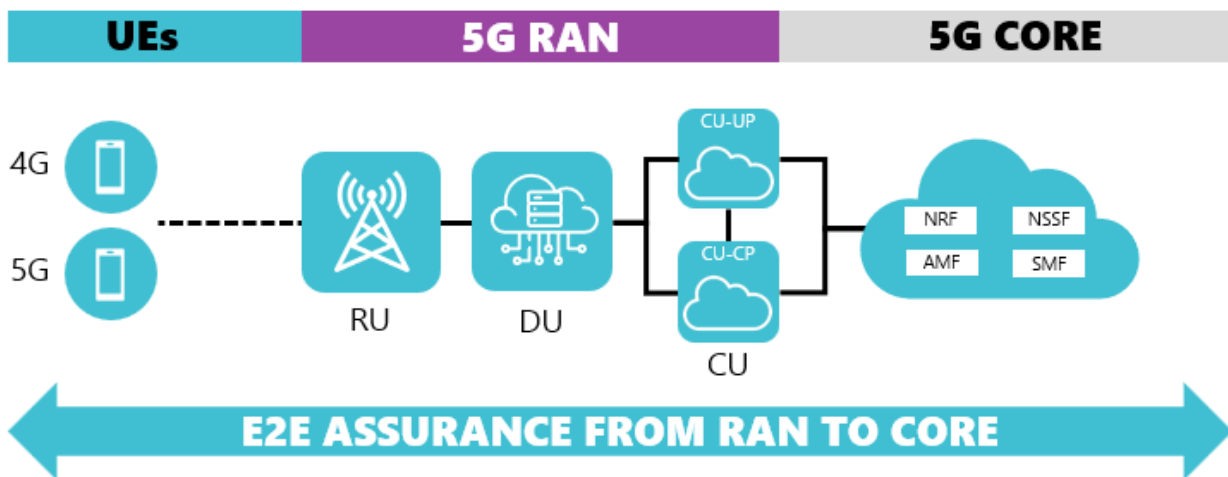# RADCOM Core Analysis

Network stability is imperative in the core network, which is the gateway for voice and data services to mobile devices. RADCOM Core Analysis provides full network core analysis and troubleshooting solution, supporting all multi vendor technologies from 2G to 5G SA. It is a cloud-native solution that can be deployed on private, public (AWS, Google, Azure), and hybrid networks. It offers a comprehensive analysis of network performance with a full suite of engineering tools for advanced troubleshooting and optimization. This includes capabilities to investigate service degradations from a macro to a micro level including at the packet and session level.

It provides an end-to-end solution with lightweight, containerized components for dynamic and flexible automated assurance. It is an organic part of the network that enables real-time monitoring of encrypted and unencrypted traffic. RADCOM Core Analysis analyzes, monitors, and optimizes the core's performance, ensuring great customer experiences and top-quality services.

Benefits:

- Offers patented cloud-native tapping for efficient and scalable management of large-scale networks
- Provides an assurance solution automated by Kubernetes
- Full CI/CD software development for updates and automated testing
- Offers advanced 5G features, such as CUPS correlation, CUPS protocol decoding, and support of the PFCP
- Full drill down capabilities to investigate service degradation
- Analyzes user plane and control plane data
- Delivers AI/ML-based anomaly detection and alarming
- Ensures vendor and cloud-agnostic analysis of the core

E2E ASSURANCE FROM RAN TO CORE