

AMDOCS OPEN RAN SOLUTION

New 5G use cases, the agility of network resource deployment and fewer network OEMs are fueling a new vendor ecosystem that embraces open-standard, cloud-native networks. Yet for service providers, whose success depends on the ability to monetize the technology, this presents a host of challenges: identifying strategies to beat the competition, meeting unprecedented capacity demands, increasing network coverage, winning customers, and reducing churn – all while minimizing impact on CAPEX and OpEx.

Open radio access network (Open RAN) technology is key to addressing these challenges. With the demonstrated ability to provide **speed** in rapidly deploying services, **openness** to drive innovation, **intelligence** to efficiently orchestrate a dynamic network, and the **agility** to capture every revenue opportunity.

The challenge of disaggregated, virtualized solutions

To thrive in the next-generation economy, it is key to adopt disaggregated, virtualized solutions. However, this requires adapting your radio access networks to become more software-driven, by using a variety of solutions and hardware from multiple vendors. This also comes with its own set of challenges: for example, how do you ensure interoperability between the various components? And how do you optimize deployment scenarios where every service provider's network architecture is unique?

To answer these questions, we need to take a closer look at the role of systems integrators. Those responsible for bringing to life the capabilities of accelerating consumption and adoption of Open RAN architectures to unlock the benefits they are made to guarantee.

Requirements

Choose a partner to manage the lifecycle and hide the complexity of the new open ecosystem of a multi-vendor, disaggregated mobile access network.



Hide Complexity

Vendor Management
Interoperability F2E-Testing
Automation/Orchestration



Lifecycle Management

Program Management
Network Services
Design to operate



Independency

Choose Best of Breed
No Vendor lock-in
No conflict of interest



Reliability & Experience

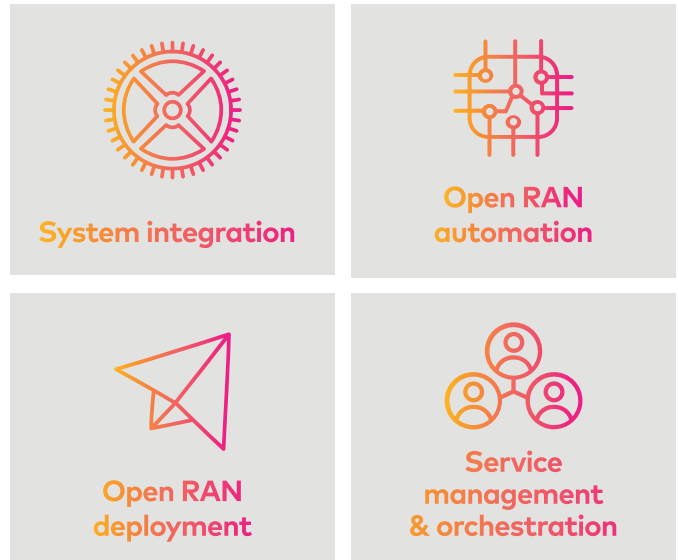
Network Expertise with TIER 1
Software led automation
ORAN member/TIP certified

Amdocs Open RAN solution

Amdocs Open RAN solution's comprehensive set of open network products and services minimizes risk during your transition to an Open RAN network. The embodiment of a culmination of careful evaluation of product technologies with hardware & software vendors across the entire ecosystem.

Amdocs Open RAN solution includes:

- **System integration services:** validates and benchmarks vendor combinations to deliver flexible and innovative technologies to the network
- **Open RAN deployment services:**
 - Network planning and design to support coverage and capacity needs
 - Accelerated and cost-efficient network deployments for launching new services or network assets
 - Streamlining operations through automation to reduce costs and improve efficiencies
- **Open RAN automation:** adapting RAN Intelligent Controller (RIC) independent x/rApps to enable AI/ML network edge-based optimization solutions to achieve optimal network capacity
- **Service management and orchestration (SMO):** provides a hybrid architecture to alleviate operational complexity and manage both existing 4G/5G and Open RAN network elements



Why Amdocs

Amdocs leverages a deep understanding of existing capabilities and strategies to create tailored solutions that combine our assets with those of the service providers' enterprise customers. Our holistic solution design approach considers enterprise requirements, use cases, future vision, as well as the degree to which the enterprise wishes to manage its network operations.

Leveraging our vendor experience, flexible solution blueprints, and mobile private network deployment experience, we provide a single point of accountability for committed SLAs, while minimizing risks associated with mobile private network implementations. Meanwhile, our global delivery and support organization – spanning RAN, core, cloud, IT, system integration, transport, security, and software domains – enables us to manage all the complexities of an end-to-end network solution. With our combination of deployment and automation, mobile private network management portal, and AI-enabled operations services, we lead the industry in enhancing the customer experience, while improving overall operational efficiencies.

For more information, visit: [Amdocs Networks](#).