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Amdocs Open RAN Solution

New 5G use cases, the agility of network resource deployment and newer 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: meeting unprecedented capacity demands, increasing network coverage, leveraging technology to drive innovation, and reducing the total cost of ownership (TCO) – all while ensuring a great connection.

Open radio access network (Open RAN) technology is key to addressing these challenges. It provides **speed** to deploy services fast, **openness** to drive innovation, **intelligence** to efficiently orchestrate a dynamic network and **agility** to capture every revenue opportunity.

The challenge of disaggregated, virtualized solutions

To thrive in the next-generation economy, adopting disaggregated, virtualized solutions is key. But this requires adapting your radio access networks to become more software-driven, using a variety of software and hardware from multiple vendors. This too brings 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 look at the role of systems integrators – those who bring the capabilities to accelerate consumption and adoption of Open RAN architectures and unlock the benefits they afford.

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. It's the culmination of a careful evaluation of product technologies, as well as hardware & software vendors from throughout 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 including:

- Lab services:

  - Automated testing and validation of use cases

  - Vendor and change management

  - Automation of CI/CD pipelines

  - Life cycle management of software packages

  - Benchmarking vendors

  - Co-ordination and governance

- **Open RAN deployment and operations services:**

  - Network planning and design to support coverage and capacity needs

  - Automated pre-staging of servers as per configuration

  - 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:** Optimize network performance and capacity with flexible automation delivered through an open Non-RT RIC and machine learning powered xApps and rApps.

- **Service management and orchestration (SMO):** Provides a hybrid architecture to alleviate operational complexity and manage both existing 4G/5G and OpenRAN network elements.

Why Amdocs

As a preferred partner for tier-1 and tier-2 service providers across the globe, our vast network of rollout and acceptance services provides scalable, fast and reliable network rollouts – enabled by our software-led approach and bolstered by our automation and resource flexibility to support process acceleration. With our flexible Open RAN solution, you enjoy the freedom to move rapidly, adapt easily, automate operations and streamline innovation, without being held back by proprietary, monolithic network systems.

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