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Amdocs Open Ecosystem Accelerator for Telecom Infra Project (TIP)

Whether you're evolving the radio access network to OpenRAN, introducing disaggregated cell site gateways (DCSG), carrying out interoperability between network assets or swapping out proprietary, single-purpose boxes to open hardware and software, Amdocs Open Ecosystem Accelerator for Telecom Infra Project helps you navigate the most difficult hurdles that typically occur during network transformation.

TELECOM INFRA PROJECT

[Telecom Infra Project (TIP)](#) is an ecosystem of over 500 members, comprising mobile network operators (MNOs), original equipment manufacturers (OEMs) and system integrators. TIP is committed to accelerating the deployment of efficient open telecom infrastructure solutions, leveraging the principles of disaggregation, and enabling operator flexibility in network deployments and evolution.

TIP acknowledges the importance of 5G and the associated need to have open architectures, open protocols and interfaces to realize the expected benefits of 5G.

5G represents a fundamental shift in how networks are built and reinforces the importance of creating open, multi-vendor networks. Delivering on the promise of the technology will require solutions built on an open ecosystem of hardware and software with interoperability between open network assets. In the quest to roll out 5G with new open network technologies and innovative services, mobile service providers are faced with multiple challenges, including vendor lock-in, slow time to market due to proprietary platforms, high CAPEX and OPEX investments in legacy technology and lack of agility in new applications and services.

The processes of deploying new open technologies, new hardware and software vendors, and conducting interoperability tests are time-consuming and high-risk activities, with returns on investment (ROI) tightly linked to new network services and timely deployment. When deployment is delayed, the result can be revenue loss and increased costs due to delayed services or product launches. And when network quality is impaired, it can lead to high customer churn rates along with a reputation for poor network quality.

Open network ecosystem will be critical to **addressing** the network complexities with **cost-affective** solutions
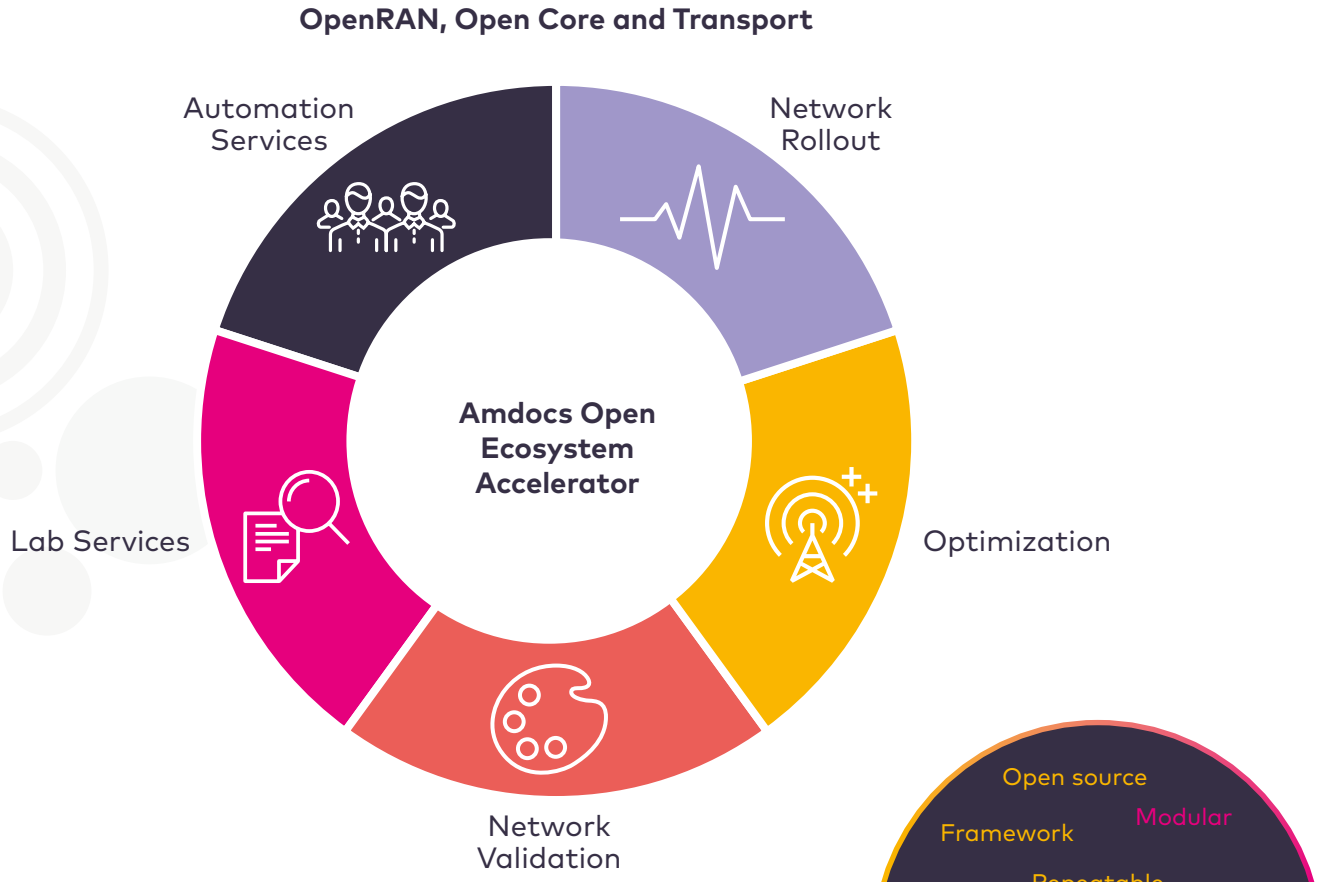
Growing network demand requires operators to act now in order to allocate capital to increase network capacity

Network disaggregation allows operators to optimize each component, thereby increasing the ability to service new markets

Partnerships and industry groups are imperative to accelerating innovation and scalable deployments

Amdocs' offerings

Amdocs Open Ecosystem Accelerator for TIP is a solutions and services program for various TIP workgroups and bringing these solutions to market. The program includes product evaluation, test automation, large-scale network deployments, and end-to-end open network management, enabling you to evaluate, test, automate and deploy open network technology with quick time to market.

OpenRAN, Open Core and Transport

Automation Services

Network Rollout

Amdocs Open Ecosystem Accelerator

Lab Services

Optimization

Network Validation

Open source

Framework

Modular

Repeatable

Automation

Extendable

Template-driven

Vendor-agnostic

· **Product and technology evaluation services**
Amdocs works with you to evaluate and select open hardware and software technology and products from the TIP exchange or elsewhere. Evaluations are based on various criteria such as technology leadership, deployments, test cases and network specific requirements and needs.
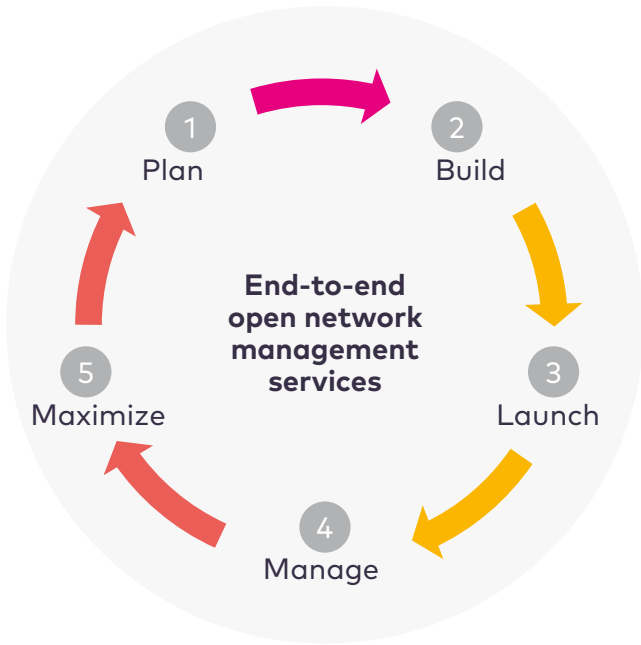
· **Test automation services**
As a certified TIP system integrator, Amdocs carries out test automation if any functional or interoperability testing needs to be done for hardware and software configurations. This leads to quick time to market for your network-specific configurations with the new open products.

· **Large-scale network deployments services**
Leveraging our global presence, established processes and tools, Amdocs provides you with deployment, test and verification services that ensure quick and efficient large-scale open network deployments.
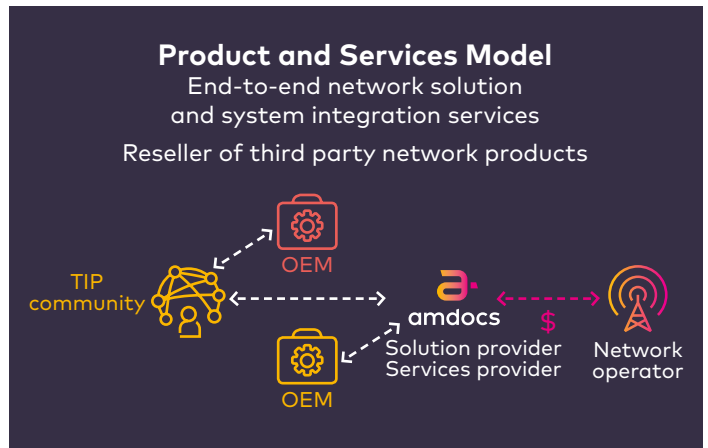
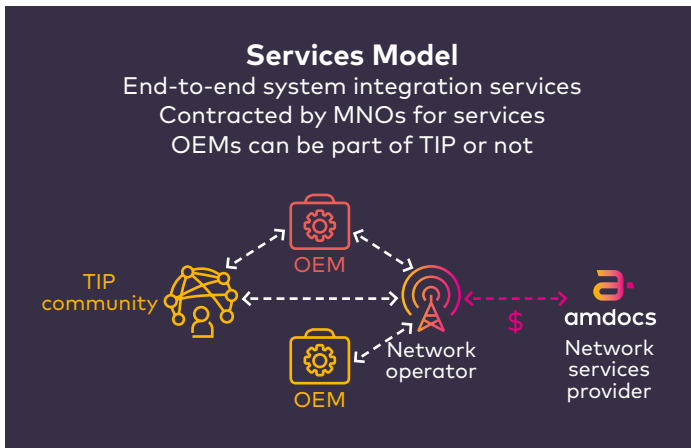· **End-to-end open network management services**
Amdocs manages the end-to-end open network lifecycle process, including network planning, build, launch, management and maximize processes.

Model options

With automated tools, experience and engagement in the open network forums and organizations, Amdocs Open System Accelerator for TIP provides a comprehensive set of open network solution and services that minimizes your risk during the transition. In addition, we have carefully evaluated product technology, hardware, and software vendors from the Telcom Infra Project (TIP) community, and established reseller agreements with various members.

Two model options are available – *Services model and Product & Services model*. The Product and Services model enables quick time to market using an end-to-end solution and services, while the Services model includes installation, integration, commissioning, testing, verification and managed (EOT) services designed for open networks.

Services Model
End-to-end system integration services
Contracted by MNOs for services
OEMs can be part of TIP or not

Product and Services Model
End-to-end network solution
and system integration services
Reseller of third party network products

Leveraging the ecosystem

As a certified TIP System Integrator, Amdocs leverages a massive ecosystem of solution vendors to accelerate and transform the way open telecom infrastructure is created, implemented and deployed.

A TIP member since 2016, Amdocs leads several workgroups in telecom infra projects, such as Open Cellular, Disaggregated Cell Site Gateway and Test Automation.

Benefits

Maximizing network potential	Empowering service providers	Driving cost efficiencies
Ensure substantial network investment in open networks delivers new 5G services and beyond	Launch new applications and services without vendor dependency and bring new services to market faster	Choose best-in-breed components for specific network requirements to reduce CAPEX and OPEX

Why Amdocs?

One of the biggest challenges operators face lies in identifying the right time to adopt a new technology. We are entering the next phase of the digital era where connectivity, automation and artificial intelligence will propel humanity like no other time. For mobile operators to keep pace with ever-increasing user expectations for instant access to data, their networks must have the agility to evolve, scale and launch new innovative services. Forums like TIP are critical to the success of open technologies that will propel the next generation of telecommunication networks.

In our capacity as a member and contributor to the TIP, we support the industry's first production environments, helping transform physical networks into agile ones. This facilitates reduced time to market for new services, with increased ROI for both physical and virtual networks investments.

Amdocs has a proven track record supporting projects during all phases of network rollout and acceptance – including, but not limited to RAN, transport and core design, provisioning and troubleshooting services, pre/post-launch optimization, managed services, as well as support services for multivendor, multi-technology heterogeneous networks.

As a preferred partner for service providers across the globe, our vast network rollout and acceptance services provide scalable, fast and reliable network rollouts, leveraging the combination of a software-led approach, together with automation and resource flexibility – all of which supports process acceleration.

Network Equipment	Network Processes	Network Software
We integrate and partner with innovative and disruptive companies with a mission to 'open the network'	We design, build, test, operate and optimize some of the world's largest and most complex networks	We develop, invest in and deliver the industry's most open and advanced network software – from engineering tools to autonomous operations

For more information, contact Amdocs Network Marketing

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