

Distributed Access Infrastructure (DAA) with Symphonica



Challenges

Tackling DAA obstacles head-on

The demand for bandwidth has risen exponentially due to the increased accessibility of smartphones and other digital devices, along with a sharp rise in video consumption. Even as network providers are struggling with bandwidth demands, the challenges are further compounded with the massive increase in work-from-home environments. Operators have turned to DAA to address these challenges of managing critical network operations such as power consumption, physical space, and cooling in head-end locations.

To comply with these growing demands, distributed virtualized network architectures in cable networks provide significant scaling advantages and flexible deployment options. An example of this is the use of Remote PHY Devices (RPDs) and Remote MACPHY Devices (RMDs) to increase the capacity and coverage of cable networks, using the convergent transport network as shared backhaul.



The Intraway Solution

DAA deployment automation with Symphonica

As a true vendor-agnostic, cloud-native solution, Intraway's Symphonica aligns perfectly with the benefits of DAA, which enable CSPs to embrace rapid growth, streamlined operations, and cost advantages while meeting the demands of an evolving telecommunications landscape. CSPs can leave behind their silo-structured B/OSS approach to implement a centralized solution to automate the entire life cycle of services orchestrated across multiple networks and technology domains. They are empowered to do all this without investing in time-consuming and budget-heavy projects, reducing operational costs and speeding up time-to-market. CSPs can also simplify IT and network operations by moving to a managed, no-code, cloud-native solution.

Benefits

Empower 5G slicing while eliminating all coding

Increased revenue opportunities, multi-vendor end-to-end no-code orchestration, streamlining vendor integration and comprehensive DAA platform all assist the enterprise and end user.



Increased revenue opportunities

Accelerate CSPs' time-to-market for new service offerings with consolidated standardized and reusable activation flows to accelerate implementations.



Multi-vendor end-to-end no-code orchestration

Resolve complex ecosystem deployments by efficiently orchestrating services within a multi-vendor/multi-supplier environment and seamlessly support environments including Cisco, CASA Systems, and Vecima.



Streamlining vendor integration in DAA environments

Simplify the addition of new vendors through standardized workflows, eliminating needing to adapt each integration for different DAA vendors and consolidating elements seamlessly under the same platform.



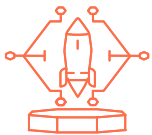
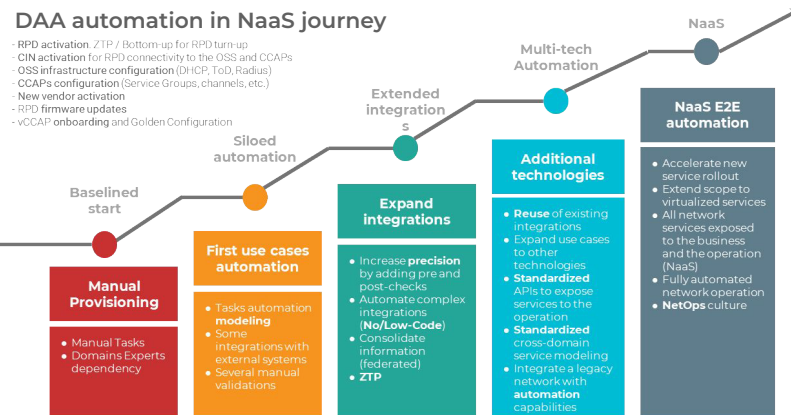
Comprehensive DAA platform with seamless integration

Gain access to a full suite of DAA elements under the same unified platform - enabling the seamless consolidation of existing DAA elements, streamlining operations and optimizing efficiency.

Intraway on AWS

Intraway and AWS are better together thanks to both company's commitment to migrating BSS/OSS telecom systems to the cloud. Symphonica, Intraway's award-winning no-code, cloud-native, telco-grade orchestration and service activation platform, enables telecom operators and Communications Service Providers (CSPs) to capture revenue quickly, enhancing ROI across their digital transformation programs. Designed for operational excellence, security, reliability, performance efficiency, Symphonica is proudly aligned with TM Forum Open APIs and AWS well-architected framework to rapidly integrate with existing systems and build a future-proof and open platform. Serving over 40 million subscribers in more than 20 countries over three continents, Symphonica and AWS are better together due to the capabilities of complex provisioning processes, closed-loop self-healing networks and multi-domain orchestration. Whether they need to deploy GPON, SD-WAN, 5G Network Slicing, IoT or other technologies, Symphonica SaaS stands ready to support them with multiple use cases and deployment scenarios.

Features



Standardized integration accelerates time-to-market for new offerings

Symphonica eliminates operational complexity and accelerates time to market by reducing the time to implement new DAA, taking RPD activation from days to hours and improving quality of experience. In turn, direct cost reduction, revenue acceleration, and reduction of rework truck-rolls are achieved, leading to enhanced customer satisfaction and increased profitability for service providers.

Case Study: Midco



Challenges

Our client needed to fulfill the need for deploying more ('00's) Remote Devices in the field while avoiding reliance on error-prone manual engineering and provisioning tasks.



Solution

Symphonica provided the ability to manage the full suite of DAA elements (OSS, vCCAP/CCAP, RPDs/RMDs, CIN, etc) under the same platform. It simplified the addition of new vendors by using standardized workflows and abstracting the complexities of each vendor's integration requirements.



Results

Symphonica accelerated the transition to the new distributed architecture and the time-to-market for new service offerings, such as Gigabit services through RPDs, RMDs and rOLT's. Device activation was reduced from days to hours with a direct operational cost reduction and almost total elimination of provisioning errors and drop out.

Get started with Intraway's solutions on AWS

Visit AWS Marketplace or www.intraway.com to purchase or start a Free Trial today.