# Transforming business operations using a 5G catalog-driven, process-centric solution

## Challenges

### Network Slicing means overcoming complexity

Network slicing is one of the most complex features of 5G technology to implement. Application subsystems assign a dedicated slice of the mobile network – with guaranteed bandwidth, low latency and availability –customized to the specific needs of a customer's use case. To make slicing efficient and profitable in the standalone 5G environment, operators must automate and enable an equal balance of activation,provisioning, and orchestration.

## The Intraway Solution

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## Benefits

### Empower 5G slicing while eliminating all coding

**Seamless network resource allocation**
Efficiently provision and manage dedicated network slices with guaranteed bandwidth, low latency, and high availability.

**Simplified service activation for 5G B2B**
Intraway's pre-integrated BSS & OSS stack enables fast time-to-market for 5G B2B services, ensuring quick adaptation to business customers' needs.

**Flexibility and interoperability with legacy systems**
Unlock high flexibility and agility, seamlessly integrating with third-party legacy systems for a smooth 5G evolution.

**Unlock robust orchestration**
Enjoy a careful balance of resources and functionalities, maximizing the efficiency and profitability of 5G network slicing in a standalone environment.

# 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

### Cost-effective SaaS model for MVNO Services Deployment

Symphonica's capabilities align perfectly with the requirements for delivering 5G services. One of the key aspects of 5G is network slicing, which allows for the creation of multiple virtual networks on a single physical network infrastructure. Each of these virtual networks, or slices, can be customized to meet the specific requirements of different services or applications. According to the TM Forum's NaaS Transformation guide, services requiring 5G slices are identified as Communication Services and are governed by Service Level Agreements (SLAs). A 5G Network Slicing Management Framework is needed to fulfill and assure these SLAs, and this is where Symphonica's capabilities come into play. Symphonica can manage the lifecycle of these network slices, ensuring that the service is delivered in accordance with the SLAs. Symphonica also implements the TMForum Open API, providing a single interface to northbound systems that abstracts complex southbound network protocols. This feature allows Symphonica to integrate seamlessly with existing B/OSS systems, making it an ideal solution for MVNOs looking to deliver 5G services.

- N/B Integration to Cloud-Native Charging platforms, such as Totogi
- Universal Connectivity to ANY Networking technology/topology

## Case Study: 5G Network Slicing

### Challenges

The need to simplify a myriad of services that can be provided while offering self-care capabilities, an omni-channel platform for service offering. Seeking the ability to create on-demand Network-slice offerings aligned with industry best practices about the use of 3GPP and GSMA templates, entities, etc to create a future-proof solution.

### Solution

Symphonica enabled cross-domain standardized modeling of entities, services and resources in 5G Networks. It implemented slice and sub-slice management with a rule-based approach for service selection and catalog-driven flows with high components reuse.

### Results

End-to-end network slicing enabled new business model innovation and use cases across all verticals - creating new revenue opportunities. Service flexibility and the ability to deliver services faster with high security, isolation, and applicable characteristics to meet the contracted SLA.

## Get started with Intraway's solutions on AWS

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