Intelligent Business Communications

IN Evolution - SCP Replacement

Intelligent Network capabilities are a mission critical part of your network. They represent critical core network functionality and significantly contribute to revenue generation. Yet their current implementation on existing legacy platforms do not meet your network evolution needs and pose significant issues such as:
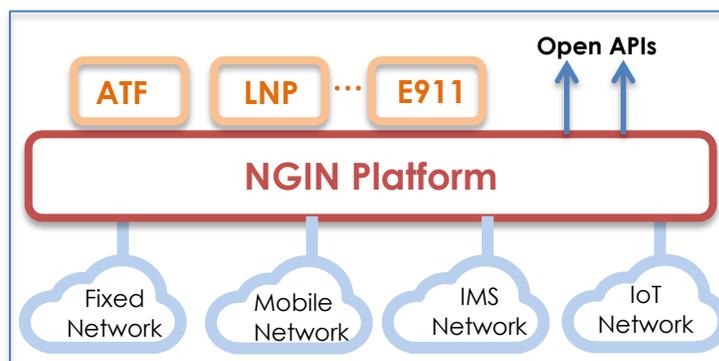
- ❖ IN platforms (e.g. SCPs) are reaching end-of-life and network services are not supported by the supplier
- ❖ Hosting services on multiple platforms as you migrate your network to IP increases operational expenses and network complexity
- ❖ Your existing platform is unable to interface with your new network – delaying subscriber migration
- ❖ The age of your existing platform pre-dates your operations support team
- ❖ Your business team wants access to new features and capabilities to drive revenue and differentiation

If you are facing these challenges with your existing platforms, you need to migrate your intelligent network functions to a Next Generation platform.

AGNITY's **IN SCP Replacement** package addresses all of these issues and is uniquely positioned to bridge your current network transition, replicate existing IN based capabilities, and provide an evolutionary path for current and future application needs.

IN SCP Replacement Package Highlights

- ✓ Future ready and uniquely capable to bridge the CS and IMS/SIP domains
- ✓ Supports creation and deployment of multiple services on a single platform
- ✓ Integrates seamlessly with the existing back office provisioning, management, and billing solutions with zero impact
- ✓ Provides off-the-shelf services for basic and ad-vanced IN call control functionalities

Professional Services Practice

- ✓ Fully documents the existing IN feature requirements and captures your newly desired enhancements in a Feature Specification Document (FSD) to ease knowledge transfer
- ✓ Delivers the IN features using Base Applications and customized call flows to fully replicate the existing features as per the FSD
- ✓ The Data Migration Automation Framework (DMAF) seamlessly migrates the existing subscriber database to the new platform
- ✓ Integrates, using REST interfaces and open APIs, with the existing back office billing, management, and provisioning systems

NGIN Platform and Next Generation Applications

Our market-leading and future-proof solution offers a fully specialized IN Replacement package – one that has been put to test in commercial deployments with many of the world's largest Service Provider customers. The complete package includes a robust platform, ready-to-deploy applications, APIs and tools that enable quick creation of new applications.

The NGIN Platform

The AGNITY Communication Application Server (CAS) is a SIP/IMS compliant Next Generation IN platform. It is a standards-based carrier-grade platform that supports multiple protocol interfaces (SS7, IP, ISC, and Diameter), enabling deployment of applications across networks and devices. More than just offering connectivity to your new network, the NGIN platform enables your applications to be "domain aware" in both the legacy CS and IMS/SIP networks.

Ready-to-Deploy Core Network Applications

This package offers a suite of field-proven IN applications that are "Service Building Blocks" which are easily customizable into new IN applications that can meet your specific feature requirements and network call flows. The core network package applications are:

- ✓ *Intelligent Call Routing (ICR)*
- ✓ *Advanced Toll Free (ATF)*
- ✓ *Voice Virtual Private Network (VPN)*
- ✓ *Online Rating and Charging (OCS)*
- ✓ *Call Diversion (CDIV)*
- ✓ *Call Screening (Fraud)*
- ✓ *Number Portability*
- ✓ *Emergency Calling/E911*
- ✓ *Caller Intercept*
- ✓ *Zip Code Routing*

Service Replication with Base Applications

The creation of new services starts with the base applications and application components that can exactly replicate the services and call flows on the Service Provider's legacy IN platform (SCP). The package offers a number of base applications comprising the fundamental IN capabilities (e.g. ICR, Voice VPN, etc.). Depending on the call flow scenarios, these applications work in either B2BUA or redirect mode. The application business logic is customizable without any need for code changes at the platform layer. These applications reside at the base and can be commercially deployed so that they can be easily used to replicate the existing IN services and create new services.

Path Forward with Extensibility, Open APIs, and Service Creation Tools

The NGIN platform is constantly evolving with new access to external resources and application creation tools making it a future-proof application delivery platform. Data continues to be more and more accessible allowing additional information for routing decisions. This, along with new external resources such as speech recognition, biometric authentications and fraud detection, enables new service offering possibilities for service providers who can incorporate new capabilities into their core network applications. The NGIN platform delivers a great set of capabilities and application development support using the following tools:

- ✓ **Open APIs and Java libraries**
- ✓ **Mobile and WebRTC APIs**
- ✓ **Application Development Environment (ADE)**
- ✓ **Routing Flow Editor (RFE)**

For more information, contact AGNITY at sales@agnity.com.