

# Intelligent Network Evolution

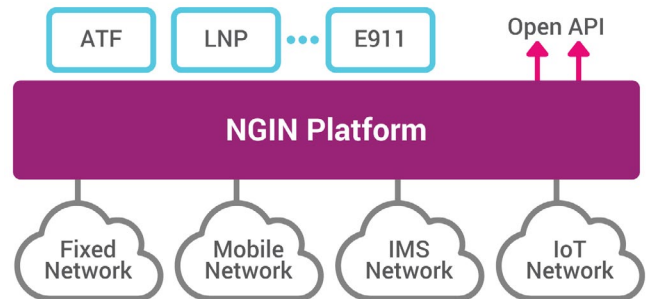


Intelligent Network features are a mission critical part of your network. They represent core network functionality and assist in huge revenue generation. But yet their current implementation does not meet your network evolution needs. Some of the issues posed by the existing platforms are as follows:

- IN platforms (e.g. SCPs) are reaching End of Life but the services running on them are not
- Letting these services “rust out” 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
- Your existing platform is old enough to pre-date your operations team
- Your business team wants access to new features and capabilities to drive revenue and differentiation

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

The IN SCP Replacement package is uniquely positioned to bridge the current network transition from 2G/3G to 4G, 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 advanced IN call control functionalities

## Professional Services Practice

- Fully documents the existing IN feature requirements and even captures your desired enhancements in a Feature Specification document to ease knowledge transfer
- Delivers the IN features using Base Applications and customized call flows to fully replicate the existing features as per the Feature Specification document
- 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

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 some 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 NGIN platform is a SIP/IMS compliant platform for Intelligent Networking. It is a standards-based and 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

The package offers a suite of IN applications that have already been developed and deployed. These applications also have the ability to easily customize the existing software “Service Building Blocks” into new IN applications that can meet your specific feature requirements and network call flows. The package includes the following ready-to-deploy core network applications:

- Intelligent Call Routing (ICR)
- Advanced Toll Free (ATF)
- Voice Virtual Private Network (VPN)
- Online Rating and Charging
- 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). We offer 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 to make it a future-proof application delivery platform. Today, more and more data is accessible – allowing additional information for routing decisions. In addition, new external resources are available to the Service Provider – speech recognition, biometric authentications, fraud detection, etc. which open up new service offering possibilities. Service providers can incorporate new capabilities in their core network applications. The NGIN platform delivers a great set of capabilities and tools to support application development using the following tools:

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

**Contact Us**

We are here to help. Let us know if you are interested in a quote or if you have any questions.