

Case Study: Seamless Migration to Next-Gen Networks



Situation:

Alestra needed LNP functionality fast, and it wanted it up and running without affecting service continuity and quality during its migration to a next-generation network.

Challenge:

Alestra, a subsidiary of Alfa and AT&T, provides telecommunication services, network solutions, and data and value-added services to residential and business customers in 200 cities throughout Mexico and delivers seamless access to the AT&T Worldwide Network over its 5,900 km of fiber.

Alestra needed a solution that would provide not only LNP (local number portability) functionality but also a strategic path for migrating to Next-Generation Intelligent Network (NGIN) services. The Next-Gen IN solution must provide all the existing feature functionality supported by Alestra's legacy SCP (service control point) but at the same time handle NGIN services and be IMS compliant in order to be future-proof. A smooth, seamless migration was key to prevent any impact to the customer experience.

Solution:

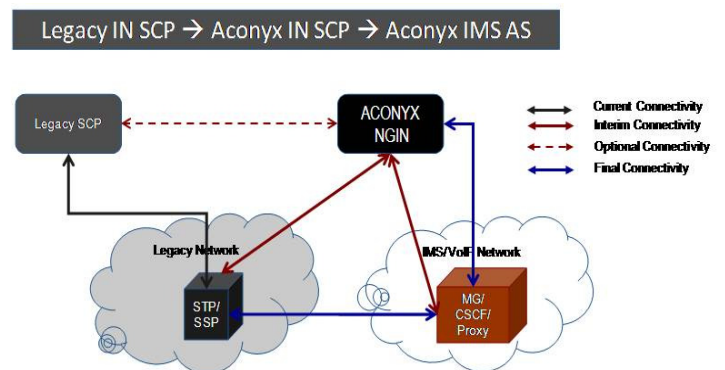
AGNITY proposed deploying its ACONYX™ NGIN Applications Solution suite in order to replace the existing legacy IN functionality. The ACONYX NGIN LNP service application -- with proxy functionality -- allowed Alestra to provide number portability for local and IN calls, enabling Alestra to continue using the legacy SCP for IN functionality but with LNP. This gave Alestra more time to plan the IN-to-NGIN services migration.

AGNITY provided a detailed analysis of Alestra legacy IN data and developed utilities to migrate customers from the legacy network to the new AGNITY platform. The solution let Alestra plan and execute a very smooth migration strategy where, if migration was not complete in certain areas or for specific services, the Proxy would automatically redirect traffic to the legacy system. Once the migration is complete, that same service is provided on the AGNITY NGIN platform.

Results:

With the current AGNITY ACONYX NGIN implementation, Alestra can use the LNP and IN services in a seamless fashion allowing them to perform LNP for local calls and at the same time for IN calls -- all using a single platform.

Alestra can customize LNP prefixes for improved routing within the Alestra network when the termination number is an Alestra owned number. Alestra can provision all services from a secured web-based interface and can manage and provision both Mexico and Monterrey clusters from a single point.



About AGNITY, Inc.

AGNITY is a global applications solutions and technology services company with the deep knowledge and proven experience required to help businesses, network equipment manufacturers and service providers design, develop and deploy application solutions rapidly and cost-effectively. Founded by industry veterans, AGNITY is a team of trusted advisors to communications service providers and enterprises with best-in-breed strategies and solutions as well as proven R&D skills to help lead our clients' solutions and product development.

AGNITY is headquartered in Fremont, California, with development centers in Noida, India, Kitchener, Ontario, and Richardson, Texas. For more information, visit www.agnity.com.



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