XConnect

VIRTUAL ON BOARD

Messaging and Voice providers have accepted that using Number Data (such as global number range and number portability databases) is preferable to using Home Location Register (HLR) queries for validation and routing applications. However, most Number Information Services (NIS) are accessed via remote query to an information provider's 'hard' PoPs, with a 'pay per query' commercial model. Often, interfaces are standard with limited 'per customer' customisation possible.

For customers with a large amount of query traffic to a specific destination, query costs increase to the point where Service Providers will consider 'on-boarding' the numbering data themselves in an internal solution. The benefits are clear. However, internal on-boarding also brings some significant disadvantages.

Internal On-Boarding Advantages

- Fixed monthly fees for data irrelevant of query volumes
- Very low latency as the query source is close to the data source
- Costs can be treated as 'network costs' and therefore do not impact gross margins
- Query interfaces can be customised to better meet the requirements of multiple internal applications

Internal On-Boarding Disadvantages

- Acquiring the database(s) with all the associated commercial, privacy and regulatory requirements
- Skills required, and associated costs for on-boarding the data feed
- Skills required and associated costs for 'maintaining' the data feed
- Platform costs for hosting the data and supporting the high performance needs of the query application

Virtual On-Board

XConnect's Number Information Service Virtual On-Board (VoB) aims to provide all of the advantages of Customer on-boarding, while removing the disadvantages. VoB takes advantage of Cloud to provide flexible and platform costs.

The XConnect Number Information Service (NIS) is a Cloud based solution using's architecture, which is deployed in public Cloud services in the US and EU. Due to XConnect's of Cloud technology to deliver services, provide the most flexible solutions; whether the customer wants to use Xconnect's Cloud PoPs, have XConnect create a dedicated Cloud PoP, or deploy in their own Cloud, XConnect can provide and manage the solution, and can create new fully functional PoPs within a week.

XConnect studies have highlighted cost savings of 50% by using to customers' existing solutions, while maintaining/increasing performance and availability.

KEY FEATURES

Fixed Monthly Database Fees

Capacity Based Platform Fees

Service Substitution

24x7x365 Support

Product Customisation

Dedicated Cloud Implementation

Customer 'Own-Data' On-Boarding