



Mobile2IP™ Solution

Offers your end users the ability to simply connect their laptop to any IP network. This connectivity allows them to make and receive mobile calls with Voice over IP (VoIP), using their own MSISDN.

Current Situation

VoIP providers can offer users international calls via IP/Wi-Fi access that is available in most locations. Mobile operators are seeking to avoid churn to alternative technologies and service providers, and the subsequent loss of revenue, by offering their own attractive mobile-to-IP roaming mobile convergence service.

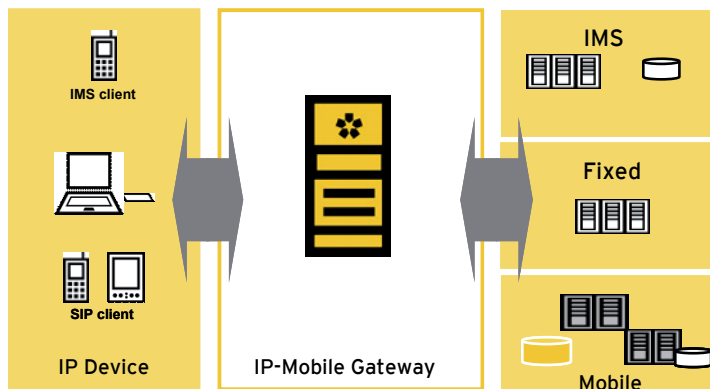
Starhome's Solution

Starhome's® Mobile2IP™ Solution provides GSM-to-IP and IP-to-GSM mobile services. The solution allows users of different devices to route incoming calls to their IP Soft Phone, GSM phone, or both, according to the location they are in (IP/GSM) and their preferences. For example, a user can be

in a "hotspot" and choose to receive a call on either his laptop or through his mobile device (via his mobile number).

Mobile2IP allows mobile operators to prevent the leakage of subscribers who are looking for VoIP alternatives to national and international phone costs. Mobile operators provide end users with the ability to simply connect their laptop to any IP networks. The end users can make and receive mobile calls over VoIP using ONE number, via their own Mobile Station Integrated Services Digital Network (MSISDN).

The diagram below illustrates the service's flow:



Implementation Modes Supported:

- 1) Stand Alone
- 2) Hosted/Managed Service

Service Flow

Benefits of Starhome's Solution

- Offers subscribers attractive, low-cost roaming calls via the home network client
- Ensures the user is always available on his mobile
- Provides ONE number
- Strengthens customer relationships and operator brand identity via the use of the same mobile number (MSISDN/CLI)
- Captures new technology/market segment
- Provides seamless flexibility to customers, allowing them to choose which device they wish to receive calls or generate them
- Reinforces operator's brand and logo on users' laptops
- Provides a true hybrid solution between legacy GSM and NGN/IMS networks



Mobile2IP

Key Components

Starhome's Mobile2IP solution combines two main components:

- End User's Soft Phone
- IP-Mobile Gateway

End User's Soft Phone

A SIP client installed on a laptop provides the end user with mobile phone capabilities. The operator's "branded soft phone" controls all GSM services to the end user: voice & SMS, and call management policies (for example, call transfer, call forwarding, authentication, etc.).

IP-Mobile Gateway

Starhome's IP-Mobile Gateway provides all network interface capabilities. The IP-Mobile Gateway enables all communication interfaces between the Soft Phone and the home network core elements, such as call set-up, SIM authentication, real-time billing, etc.

The IP-Mobile Gateway consists of three main elements:

- The SIP/IMS Gateway provides SIP signaling management
- The Signaling Gateway provides MAP, IN, CAMEL and ISUP legacy signaling interfaces
- Media Gateway provides RTP VoIP control

Key Features

- Voice, SMS, MMS and video
- Chat/instant messaging
- Seamless call transfer between IP client and mobile
 - Upon call set-up or during Supplementary services
- Collaboration package
- Integration with Outlook & SIM contacts

Starhome

Starhome® is a field proven leader in roaming whose cumulative knowledge and expertise has made it the roaming partner of choice for mobile operators. Since its establishment in 1999, Starhome manages and maintains over 900 roaming solutions for over 178 mobile operators in 118 countries worldwide.

Starhome's solutions address all key

roaming requirements and target three distinct areas of activity at the mobile operator: **Retail** - Starhome offers seamless solutions to stimulate and increase roaming traffic and usability. **Wholesale** - our powerful solutions enable teams to meet their wholesale targets and IOT discount agreements. **Operation** - our mission-critical solutions optimize network efficiency and reduce cost of ownership.

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