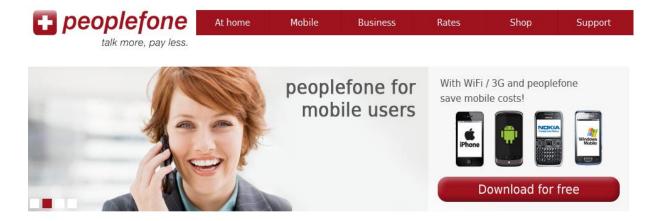




# **Case Study peoplefone**

Mai 2012



## **Our Company**

Peoplefone is providing SIP connection in Switzerland, Austria, Slovakia, Poland and Lithuania and offers standard SIP connection, SIP trunk and hosted PBX solution. The headquarter is in Zurich and the affiliates are located in Lausanne (CH), Vienna (AT), Warsaw (PL), Bratislava (SK) and Vilnius (LT).

The distribution of users combining residential and business customers is the following:

SWITZERLAND	since 2005	20'000 users
AUSTRIA	since 2006	1'500 users
POLAND	since 2007	30'000 users
SLOVAKIA	since 2008	1'200 users
LITHUANIA	launch 2012	

Peoplefone is offering online solutions in order to allow the customer to manage his full account (create new account, new SIP line, top-up, show calls, add new did) in real-time. We are also offering number portability in Switzerland and in Poland.

In term of traffic generated, peoplefone reached in 2011 more than 30 millions minutes.

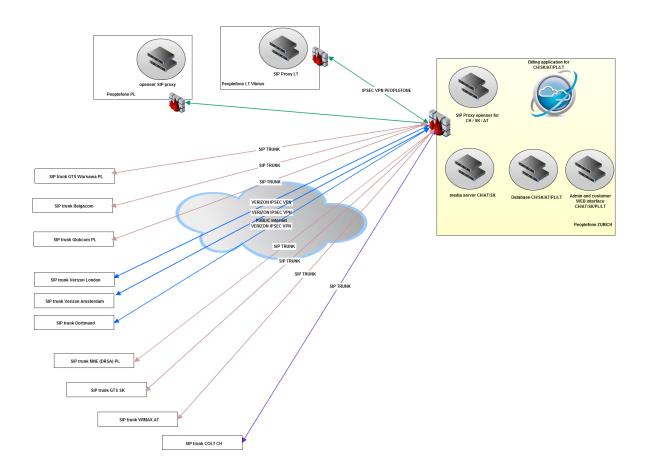
### **Our Network**

Most servers of peoplefone including database, billing server are hosted in Switzerland (Zurich) so all SIP signaling is transiting via Switzerland. For Switzerland, Austria and Slovakia, the RTP stream is also processed by RTP proxy in Switzerland.

For Poland and Lithuania, a SIP / RTP proxy is installed locally so that the RTP stream for these 2 countries is not relayed till Switzerland. This solution was implemented for quality reason.







## **Our Architecture**

In our architecture, SIP signaling is proceeded in 2 stages:

- the first one is based on kamailio,
- the second one sin based on **Telscale**.

The <u>first stage</u> acts as a SIP proxy, he authenticates SIP request and manages the RTPproxy to correctly relay the RTP stream.

The second stage based on Telscale act as a B2Bua and is doing:

- Call routing
- Billing (prepaid / postpaid)
- SIP header manipulation to match the different requirement of each SIP trunk provider





Telscale Jain-slee was an excellent choice for us by providing multiple interfaces like:

- Database interface
- Web service
- •

And we can re-use standard java library, so we can implement quickly our billing /routing application and integrate them with our existing database and web application.

#### **About TeleStax**

TeleStax enables Telecommunication Service Providers and Enterprises to create scalable communication applications based on Open Source and Open Standards.

TeleStax Enterprise Edition, TelScale, is built upon the open source core platform and a suite of additional management products, high availability and fault tolerance features that allow Enterprises and Service Providers to implement the most reliable, scalable and high performing cloud communications solutions available.

TeleStax products include JSLEE, SS7 Resource Adaptors, SIP Servlets, Rich Multimedia Services, Presence Services/RCS, Diameter/AAA Services, XMPP Services, Web Services and others.