

SMPP Router

Whitepaper

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www.iquall.net/mensajeria_smpprouter.html



SMPP Router

Interconnect your SMS platforms and VAS Applications in a simple and efficient way. Solve your numerical portability problems and SMS interworking in a single node.

The SMPP Router is the superb solution when the interaction between SMS platforms and value added services 3rd party applications (ESME) are needed. By using this service, network architectures and services based on SMS, which everyday become more complex can be handled in a simple way from a single centralized node.

In addition, optimizes efficiently the network resources by using temporal and spatial distribution of SMS traffic from other operators. The SMPP Router allows an unlimited account of routing rules, which has a capacity than permits more than 1000 simultaneous connections and traffic over 5000 SMS per second.

The system can be installed in Linux or Unix, allowing a fast and effective start-up with different HW configurations (from a simple and economic industrial PC to multi-processor servers' clusters).

The numbering conversion is based on prefix and messages delivery, taking by example the origin such as the destiny of the message can be handled in a very easy way. With this feature the system is ideal to exchange messages among different operators and technologies (GSM, TDMA, CDMA, iDEN, UMTS or IP based).

The whole system is managed from an intuitive web interface which makes it possible a dynamic and effective operation without the need of being an SMPP protocol expert.

The solution includes an advanced statistics and billing module that makes it possible obtaining online information about the traffic and valuation parameters.

The system provides several possibilities to manage the messages throughput based on the traffic volume or by an integration of the cell phones Operators pre-paid systems.

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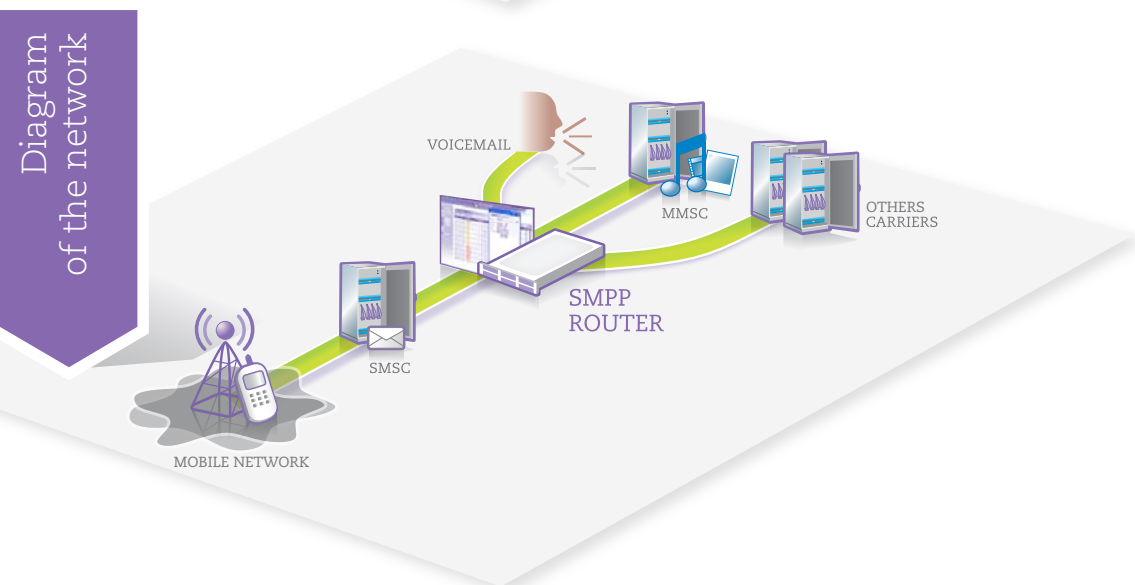
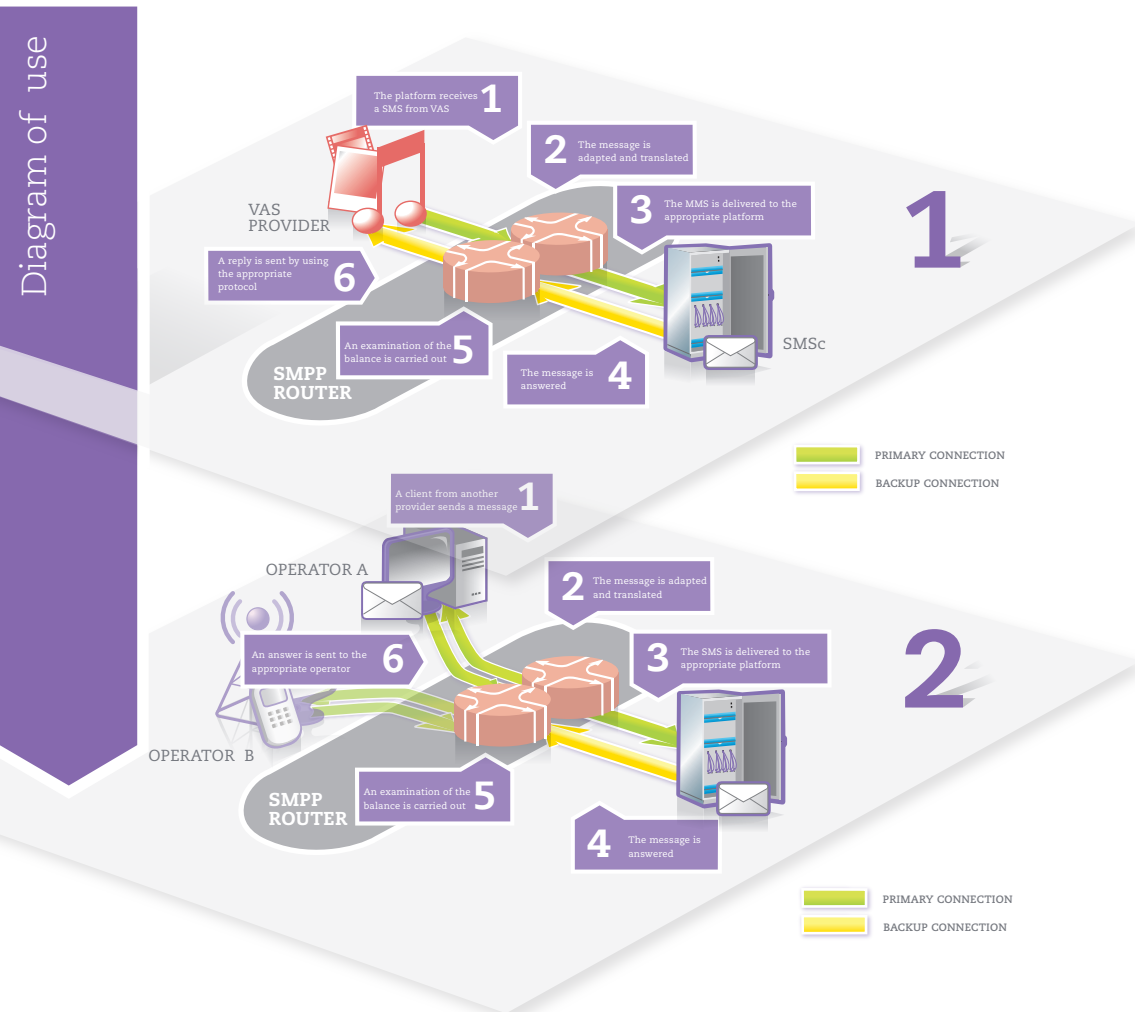
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Cases of use	Interoperability and Intercarrier Messaging	VASP Management	Handling of traffic peaks	Numerical portability

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Operation

Mobile networks are in such a technological stage where there is a clearly increase in the messaging systems' complexity. It is not anymore a simple platform that sends simple messages.



Summary

Highlights

- SMPP y UCP protocols
- 1023 simultaneous connections
- 5000 SMS/seg
- Client or Server Connection
- Simple and intuitive use
- Intelligent routing rules
- Control of access, traffic and volume
- High availability on commercial networks
- Numerical portability

Features

- Resources Optimization
- Traffic Central Administration
- Scalability system
- Simple Numerical Portability Deployment
- Prepaid Systems Integration
- SMS interoperability

Technical Specifications

Functionality	<ul style="list-style-type: none"> Intercarrier SMS Easy VASP Management Prepaid integration Advanced Numbering Translation Easy Number Portability Implementation Service Based Routing SMS Lawful Interception Store & Forward
Supported protocols	<ul style="list-style-type: none"> SMPP v3.3 SMPP v3.4 MM4 EMI/UCP
Non Stop Operation	SMPP Router can be configured in a cluster operation using an Hot Stand By or Load Balancing Architectures
Supported SMSC	Logical, Huawei, Motorola, Sema, Converse, SS8
Capacity	More than 5000 SMS/seg. To 1023 ESMES simultaneous.
Load balancing	Supported
Remote Management	The management can be made by an web based interface using an standard web browser
Hardware	The system can be installed in Linux or Unix environments. No networks adapters or specific HW is needed
Operative system	Linux and Solaris



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