

YateSMSC

YateSMSC it's a conventional SMS Center with the functions of receiving, forwarding, storing and delivering SMSs in GSM, UMTS, LTE or custom networks.

In addition to delivering Subscriber to Subscriber messages it can also implement various Application to Subscriber and Subscriber to Application scenarios.

A full featured, fully documented SMSC

Easy to operate SMSC solution for MNOs, MVNOs, private networks and labs using a JSON API through YateMMI web-interface.

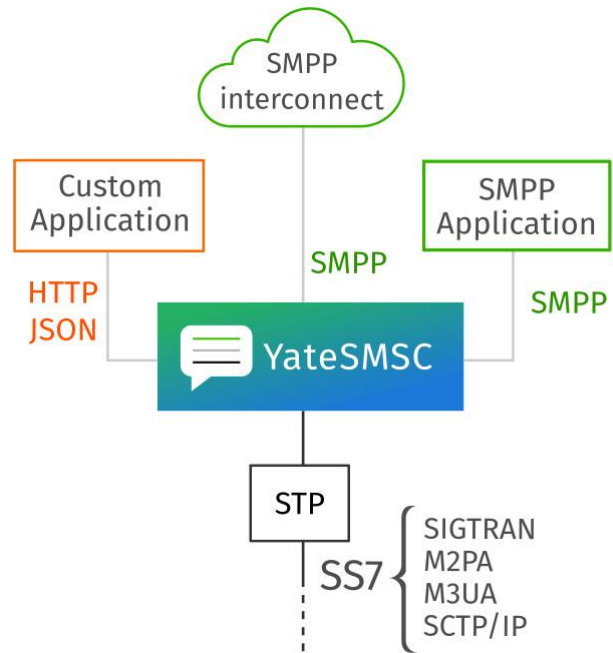
YateSMSC, as well as other Yate solutions, offers a JSON API for configuration that can be used to setup SS7/SMPP interfaces, configure general network settings, request delivery of SMS and others.

The IP used to access the JSON API is provisioned by YateMMI (Mobile Management Interface) or can be set by hand.

For a demo of the YateMMI with preconfigured YateHSS/HLR, YateUCN and YateSMSC please contact us.

Features and benefits

- Fully implemented in software and uses commodity hardware.
- Runs in a virtual machine in a datacenter facility or in cloud.
- Low deployment and per-subscriber cost.
- Uses standard SS7/MAP and SMPP interfaces.
- Allows all-IP interfaces, SIGTRAN for MAP interconnects.
- Supports home routing of MT SMS with real or masked IMSI.
- SMPP use for operator interconnect and applications.
- JSON / HTTP delivery for easy application development.
- Custom routing of messages to MAP, SMPP or HTTP URL.
- Uses JSON API for configuration and control.
- Management via a web-based interface, YateMMI.
- Allows monitoring via SNMP, Zabbix or JSON API.



Software specifications

Operating System Linux based, 64 bit

SS7 interface SIGTRAN M2PA or M3UA, SCTP/IP

SS7 MTP, SCCP ITU-T or ANSI dialects

MAP protocol ETSI MAP versions 1, 2 and 3

SMPP interface SMPP version 3.4

SMPP security SMPP over TLS supported

CLI interface Telnet protocol

JSON API Over HTTP or HTTPS

JSON delivery

- File format
- Rotation interval
- File transfer: FTP

CODECS and transcoders Configurable, templated HTTP or HTTPS URL

Online charging Diameter, RADIUS or JSON API

CDR File based, RADIUS or JSON API

Hardware specifications

Dell PowerEdge R430 3.5" Chassis with up to 4 Cabled Hard Drives

Processor Intel Xeon E5-2630 v3 2.4GHz,20M

Memory 8GB RDIMM, 2133MT/s, Dual Rank, x8 Data

Hard drives 2 x 1TB 7.2K RPM SATA 6Gbps 3.5in Cabled Hard

Hard drive configuration RAID 1 for H330/H730/H730P (2 HDDs) with Cabled Chassis

Internal controller DVD ROM SATA Internal for 4HD Chassis

Network adapter Intel® Ethernet I350 DP 1Gb Server Adapter, Low Profile

Power supply 550W

Rack support ReadyRails™ Sliding Rails With Cable

Network adapter Intel Ethernet I350 DP 10Gb Server Adapter, Low Profile

About us

SS7ware Inc. provides 2.5G/4G mobile networks. The company is a subsidiary of Null Team, the creators of Yate.

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