YepMsg

YepTelcoSoft

SMPP GATEWAY AND SERVER · DATASHEET

Carrier SMPP gateway for wholesale and A2P SMS.

YepMsg terminates customer SMPP binds, routes each message on a real-time decision from YepBoss and delivers it over a managed pool of carrier connections. Accepted messages are stored durably until delivered, and every message is written to a CDR.

CAPABILITIES

- SMPP v3.4 server for customer ESMEs
- Carrier connection pool with TRX/TX binds, windowing and automatic reconnect
- Routing decision per message from YepBoss; screening by YepShield before routing
- Durable PostgreSQL message store with crash-safe replay
- Delivery receipt correlation with per-carrier message ID normalisation
- GSM 03.38 and UCS-2 with septet-accurate segmentation
- HTTP send API with HMAC-signed DLR and MO webhooks
- SMPP over TLS, including mutual TLS
- Lease-based active/passive high availability
- Per-account TPS caps and daily and monthly quotas
- Traffic flight recorder with pcap capture and PDU search

TECHNICAL SPECIFICATIONS

Function	SMPP server for customer ESMEs and SMPP client pool towards carriers
Protocol	SMPP v3.4; SMPP over TLS; mutual TLS towards carriers
HTTP interface	Send API (POST /send); DLR and MO webhooks signed with HMAC-SHA256
Character sets	GSM 03.38 (7-bit), UCS-2 and 8-bit binary with UDH
Routing	Per-message decision from YepBoss over HTTP; YepShield screen before it; static routing as fallback
Message store	PostgreSQL, with crash-safe replay and retry
High availability	Lease-based active/passive on PostgreSQL, with fencing
Limits	Per-account TPS, session count, IP allowlist, daily and monthly quotas
Records	CDRs in JSON Lines; pcap capture and PDU index (flight recorder)
Observability	Admin API, status JSON, Prometheus metrics
Deployment	Static Linux binary with systemd, or container; self-hosted or managed

Self-hosted
Your servers or private cloud; Docker Compose or Kubernetes

Managed
Hosted and operated by YepTelcoSoft

24/7 support available
Contractual response times at any hour, as an option

Migration
Trunks, routing, rate decks and historical CDRs

See YepMsg on your own traffic.

Request a demo or a technical call. We reply within one business day.

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