YepSBC

YepTelcoSoft

CARRIER SESSION BORDER CONTROLLER · DATASHEET

Carrier SBC with an open routing API.

YepSBC is a carrier-grade SIP back-to-back user agent for wholesale and SIP trunking networks. For each new session it asks a decision service over a published API and executes the returned plan: destinations, caller identity, header manipulation, media handling and failover.

CAPABILITIES

- SIP B2BUA over UDP, TCP, TLS and WebSocket
- SRTP on both legs and WebRTC access
- Topology hiding, media anchoring and header manipulation
- Routing decisions from an external service over an OpenAPI 3.1 API
- Sequential routing with retries and RFC 3263 DNS NAPTR/SRV failover
- Access control lists, rate limiting, blocklists and call admission control
- Stateful active/standby high availability
- SIPREC recording, REFER transfer and session timers
- Per-call SIP traces, Prometheus metrics, call events and CDRs

TECHNICAL SPECIFICATIONS

Function	SIP session border controller, back-to-back user agent
Signalling transports	UDP, TCP, TLS, WebSocket and secure WebSocket
Standards	RFC 3261, RFC 3263, RFC 4028 session timers, RFC 3515 REFER, SIPREC
Media	Anchoring through rtpengine; SRTP on either leg; codec policy per call
Security	Topology hiding, ACLs, blocklists, rate limiting, call admission control, trunk identification
Routing	External decision service over REST, specified in OpenAPI 3.1
High availability	Active/standby with replication of established calls and takeover on failure
Peer monitoring	SIP OPTIONS with hysteresis
Observability	Prometheus metrics, per-call SIP traces, call events, CDRs, management API
Deployment	Container; Docker Compose or Kubernetes; 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 YepSBC on your own traffic.

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

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