SIPPULSE SSW

The core of your voice operation.

SipPulse SoftSwitch routes, rates and records every call of your carrier. Transit switch (Class 4) and subscriber switch (Class 5) on the same platform, built on OpenSIPS, with DETRAF, number portability and short-call control inside the product.

Class 4 + Class 5
transit and subscribers together

DETRAF · DETRAT
and the Anatel dispatch built in

Number portability
ATI lookup and rules by RN1

Margin per call
cost, price and profitability

THE CHALLENGE

Regulation, margin and scattered systems

Regulation every month

DETRAF, DETRAT, the Anatel dispatch, portability and short calls: without the platform's help, every closing becomes spreadsheets and rework.

Margin you cannot see

The route that costs more than it sells and the supplier that drags completion down only show up when the invoice arrives.

One switch for each job

Transit on one switch, subscribers on another, billing and resale elsewhere: every change goes through several systems.

THE SOLUTION

How SipPulse SoftSwitch solves it

Class 4 and Class 5 together

Routes by prefix and gateway lists by weight, in sequence or with overflow, next to subscribers, SIP trunks, DIDs, hunt groups, call forwarding and voicemail. Profiles apply dialing, routes and rates to whole groups.

Brazilian regulation in the product

DETRAF and DETRAT by EOT, scheduled; the Anatel dispatch, formatted and detailed; portability through ATI lookup and rules generated by CN and RN1; SAPN, local areas and area matrix; short calls with automatic blocking.

Rating and margin per call

Prepaid and postpaid in real time, buy and sell rates, markup and daily and monthly quotas. Profitability by route, provider, reseller and account code; the plan can block a call that would lose money.

The operation in plain sight

Real-time dashboard with ASR, ACD, PDD, CCR and CFR per supplier, and cost, price and margin per customer; active calls you can hang up; webhook alerts when ASR drops or CFR rises.

DIFFERENTIATORS

Why SipPulse SoftSwitch

1. **Built for Brazilian telephony**
   STFC and SCM licenses, EOT from Annex V, CSP, collect calls and short calls: regulation is part of the product, not a custom project.
2. **Calls go on with the database down**
   With Proxy Independence, the proxy keeps the configuration in memory and writes CDRs locally, sending them to the database in parallel.
3. **Resale ready**
   Reseller Portal with markup, credit and allowed profiles; blocking a reseller in default cuts its traffic. Subscribers have the User Portal.
4. **Bulk changes without surprises**
   The Sip Trunk Wizard creates up to 200 subscribers at a time; rules, rates and DIDs go in and out as CSV; Copy by Group clones the route plan to test first.

WHO IT IS FOR

One platform, three operations

Wholesale

Wholesale and contact center

Class 4 for high volumes of signaling and CDRs, with routes by prefix, weight and overflow.

SCM

SCM providers

IP telephony for your customers, with Class 5, multiple domains, portals and resale.

STFC

STFC carriers

Everything in SCM plus the public network: interconnection, DETRAF, DETRAT, portability and the Anatel dispatch.

FEATURES

What comes with the SoftSwitch

Routing

- Routes by the most specific prefix
- Lists by weight or in sequence
- Overflow by SIP response code
- Dial plans with regex
- Outbound manipulation
- Channels and CAPS per gateway
- SIP dispatchers with failover

Subscribers (Class 5)

- Extensions, SIP trunks and DIDs
- Hunt groups
- Call forwarding and voicemail
- Password or IP authentication
- Channels and CAPS per subscriber
- Multiple domains
- Sip Trunk Wizard

Regulation

- DETRAF and DETRAT
- Anatel dispatch
- Portability (ATI) and RN3
- SAPN, local areas and matrix
- Interconnection trunks (ITX)
- Collect calls and CSP
- Short calls with blocking

Security

- STIR/SHAKEN per subscriber
- Spoofing and caller ID checks
- SIP flood protection
- Blocklist and repeat-caller blocking
- MFA by e-mail or app
- API-only accounts
- Lawful intercept (module)

Rating

- Real-time prepaid and postpaid
- Buy and sell rates
- Rating by call type
- Markup and account grouping
- Quotas and low-balance alerts
- Profitability by route and provider

Operations and integrations

- Real-time dashboard
- ASR and CFR alerts (webhook)
- Clusters with failover
- Automatic database backup
- Call recording (module)
- REST API
- Diagnostics in SipVault

TECHNICAL

Specifications

Role	Class 4 (transit) and Class 5 (subscriber)
Signaling	Stateful SIP proxy built on OpenSIPS; SIP over UDP, TCP and TLS
Authentication	Digest, IP, IP + CLI, IP + tech prefix; MFA for admin access
Regulation	DETRAF, DETRAT, Anatel dispatch, portability (ATI), short calls, STIR/SHAKEN
Rating	Real-time prepaid and postpaid, buy and sell, markup, by call type
High availability	Clusters with failover by priority, SIP dispatchers, Proxy Independence
Management	Admin, Reseller and User portals (web); REST API
Platform	Linux, on physical or virtual servers
Capacity	Sized with SipPulse engineering, according to traffic and topology
Licensing	By distribution (STARTER, SCM, STFC or FULL) and modules (Reseller, Recording, ANEEL), with usage limits set in the license.

More than 200 carriers trust SipPulse.

Tell us your scenario: SipPulse engineering sizes the platform with you.

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