Every call with its evidence.

SIP VAULT keeps the SIP signaling, RTP/RTCP statistics, OpenSIPS logs and CDR of every call in a per-customer vault, tamper-evident and indexed by Call-ID. Engineers open the evidence in one click; AI reads the same data through MCP.

Call-ID	Under 30 s	eBPF	MCP
one key, all the evidence	for an AI diagnosis	Go agent with no dependencies	dashboard and AI, same data

THE CHALLENGE

Support is the silent tax on SIP

Collect before you analyze

Reproducing the problem and gathering traces and logs takes most of the troubleshooting time.

SSH, grep and ngrep

Without a per-call index, the investigation is done by hand and can take an hour of a senior engineer's time.

Scarce people

Skilled SIP engineers are hard to find and harder to keep, and poor support makes customers leave.

THE SOLUTION

How SIP VAULT solves it

The CDR as the front door

Every CDR row has a VAULT link: one click opens that call's pcap, logs and RTP statistics. No SSH, no grep.

Quality per leg

MOS, jitter, loss and latency for the UAC and UAS legs side by side, with the degraded leg flagged before anyone looks.

First-class access for AI

The same contract (FastAPI + MCP) serves the dashboard and AI. The /troubleshoot-call skill fetches, correlates, reasons and delivers a Markdown post-mortem with the evidence.

A tamper-evident vault

A per-customer S3 bucket and content-hashed evidence: once a call is in the vault, you can prove nobody edited it afterwards.

DIFFERENTIATORS

Why SIP VAULT

1. **From an hour to seconds**
   What took about an hour of SSH, grep and ngrep, /troubleshoot-call resolves in under 30 seconds.
2. **Open at the edge**
   sipvault-agent is open source (Apache 2.0) and the wire protocol is documented: use the SipPulse server or build your own.
3. **Respectful by default**
   INVITE dialogs only, and the RTP payload is never decoded. The agent only talks to the server you configure.
4. **Nothing new exposed**
   One outbound TCP connection on port 9060 and a 100 MB local buffer: a network outage loses no data.

MODELS

Three ways to use it

SaaS

Hosted by SipPulse

A per-customer S3 bucket, with dashboard and MCP included.

Open source

Apache 2.0 agent

Run sipvault-agent against the SipPulse server or build your own receiver.

On-premise

Carriers

The whole vault inside your own infrastructure, on request.

FEATURES

What every call carries

Captured evidence

- Full INVITE dialog (pcap)
- Sender and receiver RTCP
- RTP: MOS, jitter, loss, latency
- OpenSIPS logs by Call-ID
- Enriched CDR, by Call-ID

Dashboard

- CDR with a VAULT link per row
- Search by date, method, code and tags
- Quality per leg (UAC and UAS)
- Degraded leg flagged
- PCAP, RTCP and logs one click away

AI (MCP)

- FastAPI + MCP, a single contract
- /troubleshoot-call in Claude Code
- Fetch, correlate, reason, report
- Markdown post-mortem
- Same authentication as the dashboard

Agent

- Static Go binary
- eBPF (kernel 4.18 or later)
- libpcap for CentOS 6 and 7
- amd64 and arm64, auto-detected
- Open source, Apache 2.0

Network

- One outbound TCP connection (9060)
- No new port exposed
- 100 MB local buffer
- Documented wire protocol

Privacy and integrity

- INVITE dialogs only
- RTP payload never decoded
- Per-customer S3 bucket
- Content-hashed evidence

TECHNICAL

Specifications

Capture	SIP signaling, RTP/RTCP statistics, OpenSIPS logs and CDR
Scope	INVITE dialogs only; the RTP payload is never decoded
Storage	Per-customer S3 bucket, indexed by Call-ID, tamper-evident
Agent: capture	eBPF (kernel 4.18 or later); libpcap (CentOS 6 and 7)
Agent: platform	amd64 and arm64, detected at install; static Go binary
Transport	One outbound TCP connection on port 9060; 100 MB local buffer
Access	Web dashboard and MCP server (FastAPI), on the same contract
AI skill	/troubleshoot-call <Call-ID> in Claude Code
Agent source	github.com/sippulse/sipvault, Apache 2.0
Licensing	SaaS, by volume of captured calls; open source agent; on-premise server on request.

More than 200 carriers trust SipPulse.

See SIP VAULT running on your stack: request your demo.

sippulse.com/en/products/sipvault
info@sippulse.com