

zapier.georgelambert.org · Markdown indexes

VERAE TIME × ZAPIER

Operator console

packages/verae-fleet/docs/CONSOLE.md

Operator console

Loopback UI at **http://127.0.0.1:3850/** — Fleet, Trace (simulator), and Docs in one shell. Not a public site. NATS stays private; SSH identity files stay on disk.

```
cd packages/verae-fleet
node src/cli.js serve
```

Tabs

Tab	Purpose
Fleet	Machines (SSH/local), replica floors, green/yellow/red, RTT min/avg/p50/p90 spark, pause/restart/off with confirm, ssh-check toast
Trace	In-process Zapier simulator: run a step, hop log, monitors/suggestions
Docs	Reading order: overview → module summaries → architecture → remaining docs

Screenshots

LOOPBACK · NOT PUBLIC NATS

Verae operator console

Fleet, message trace, and docs in one shell. Pause does not count toward replica floors. SSH keys stay on disk.

FleetTraceDocs

probe 2026-09-11T18:05:38.404Z · NATS nats://127.0.0.1:4222 · loopback :3850

MACHINES

id

host

kind

user

ssh port

identity file

capacity

ns1-b

70.88.205.138

ssh

marchon

22

~/.ssh/id_ed25519

8

roles

tree-node,archive-wor

Add machine

local OPERATIONAL

Control plane (this host)

127.0.0.1

local · 7/32 running · 7 avail

RTT ms 0 / 0 / 0 / 0 n=1400

disable

ns1 OPERATIONAL

NS1.GEORGELAMBERT.ORG

marchon@70.88.205.138

ssh · 4/24 running · 4 avail

RTT ms 0 / 0.1 / 0.1 / 0.2 n=800

disablessh-check

lan-134 DEGRADED

70.88.205.134

marchon@70.88.205.134

ssh · 0/12 running · 0 avail

disablessh-check

SERVICES

SERVICE	STATE	FLOOR	RTT	INSTANCES
archive-aggregator Archive reply aggregator	OPERATIONAL	1 / min 1	RTT ms 0 / 0 / 0 / 0 n=200	UP archive-aggregator-0 @local :13400 restart pause resume on pause off
archive-worm Bloom-filtered WORM archive	OPERATIONAL	3 / min 3	RTT ms 0 / 0.1 / 0.1 / 0.2 n=600	UP archive-worm-0 @ns1 :13500 archive-worm-1 @local :13501 archive-worm-2 @ns1 :13502 pause resume restart pause resume restart pause resume restart on pause off
job-poller Job poller worker	OPERATIONAL	1 / min 1	RTT ms 0 / 0 / 0 / 0 n=200	UP job-poller-0 @local :13200 pause resume restart on pause off
middleware-http Verae Zapier HTTP middleware	OPERATIONAL	1 / min 1	RTT ms 0 / 0 / 0 / 0 n=200	UP middleware-http-0 @local :13100 restart pause resume on pause off

Fleet

LOOPBACK · NOT PUBLIC NATS

Verae operator console

Fleet, message trace, and docs in one shell. Pause does not count toward replica floors. SSH keys stay on disk.

FleetTraceDocs

ZAPIER STEP (SIMULATOR)

Action

Create Batch Timestamps (Merkle summary)

Data / batch lines

invoice-1001
invoice-1002
invoice-1003

SHA256

4a01e265a7f1c2180ff3afb4115fb3d03bf93

Public metadata JSON

{"source": "zap"}

☐ includeAttached ☐ includeTree

FAULTS

☐ 402 ☐ drop events ☐ recover

Run stepReset worldBatch Merkle

Lookup leafLookup tree

RESPONSE

```
{
  "jobId": "8a19a802-d243-4ab2-98a6-c1a4980fe195",
  "merkleRoot": "add6fc181a23b27b19abe0424a55c697b46d8d40a7ff4404db9516310d5bb12a",
  "leafCount": 3,
  "leaves": [
    "4a01e265a7f1c2180ff3afb4115fb3d03bf93c4d7b51bd1d383eee50dde90e0",
    "468a62faf8e557034102d8a0a0ae04ac52c3d74025b3de51e02d56bc982cf57c",
    "385288c75f7bb1e7fe1d1da763258d19554becc0517c67a7ac2fd43e29256127"
  ],
  "status": "accepted",
  "note": "Look up a member hash with Find Hash (tree nodes), not central-chain lookup alone."
}
```

HOP TRACE

```
0ms → zapier-platform-app perform zapier://action/batch_timestamp - Zapier cloud perform(z, bundle). HTTPS only.
0ms → zapier-edge auth HTTPS x-api-key
0ms → zapier-edge meter HTTPS → middleware - Rate card × tier - monthly credit
1ms → middleware-http POST /zapier/v1/timestamp/batch HTTPS /zapier/v1/timestamp/batch
1ms → verae-tree-node buildMerkle - Only the root will be itemized on the main Verae chain
2ms → verae-chain-client create HTTPS api.veraetime.net (MOCK) - Individual item hashes are NOT written to the chain
3ms → tree-node-east put verae.archive.put
3ms → tree-node-west put verae.archive.put
3ms → tree-node-central put verae.archive.put
3ms → middleware-http publish verae.zapier.jobs.watch
3ms → job-poller publish verae.zapier.jobs.events
3ms → middleware-http response HTTPS 202
3ms → zapier-platform-app output zapier://action/batch_timestamp - Returned to Zap step / task history
```

MONITORS

OPERATIONAL 13 hops · 0 errors

Trace

LOOPBACK · NOT PUBLIC NATS

Verae operator console

Fleet, message trace, and docs in one shell. Pause does not count toward replica floors. SSH keys stay on disk.

FleetTraceDocs

Reading order: high-level first, then architecture, then the rest. Operator console is loopback only.

HIGH-LEVEL (START HERE)

- [Overview](#) — whole system in plain language
- [Modules and repositories](#) — short names of every independent repo
- [docs-master](#) — one-line SUMMARY + NATS for each module
- [User guide](#) — signup → register → lookup (non-operator)

ARCHITECTURE

- [NATS.io 3-server cluster](#)
- [Uptime / replica floors](#)
- [Local network failures](#)
- [Address routing](#)
- [Diagrams · system.svg](#)
- [Composition](#)
- [Module NATS map](#)
- [Archive / bloom](#)
- [Tree nodes](#)
- [Fleet](#)

REMAINING DOCUMENTATION

- [Full documentation index](#)
- [Expansion template · verae-nats-process](#)
- [Zapier developer setup](#)
- [Simulator README](#)
- [veraе-fleet repo](#)

Docs

Design tokens match the zappier portal/admin (indigo shell). Customer portal is unchanged.

See [overview](#).