

zapier.georgelambert.org · Markdown indexes

VERAE TIME × ZAPIER

Operator console

packages/verae-fleet/docs/CONSOLE.md

Operator console

Operator UI at **http://0.0.0.0:3850/** (all interfaces). Fleet, Trace (simulator), and Docs in one shell. NATS stays private (`127.0.0.1:4222`); 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 pause resume restart 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 pause resume restart on pause UP archive-worm-1 @local :13501 pause resume restart off UP archive-worm-2 @ns1 :13502 pause resume restart
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 pause resume on pause restart off

Fleet

LOOPBACK · NOT PUBLIC NATS

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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

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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](#).