

zapier.georgelambert.org · Markdown indexes

VERAE TIME × ZAPIER

01 system

site/packages/overview/01-system.md

1. System

Verae Time proves a SHA-256 existed at a given time. Zapier lets customers register and look up hashes from the tools they already use. Billing and API keys live on **zappier-edge**. Timestamping, wait, webhooks, and archive fan-out live behind **verae-middleware**. Durable messaging is the **central Verae NATS.IO 3-server JetStream cluster**.

Hard rule

Zapier never connects to NATS, tree nodes, WORM archives, or `api.veraetime.net`. Those hops are middleware and workers only. If a trace ever shows a Zapier hop on a `verae.*` subject, do not push the app.

Planes

Plane	What	Network
Zapier cloud	<code>verae-zapier-app</code> , <code>verae-activate</code>	HTTPS to zappier-edge
Commercial edge	<code>zappier-edge</code> portal, admin, <code>x-api-key</code> , Stripe meter	Public HTTPS
CS / sales / accounting	<code>zappier-customer- service</code> , <code>zappier-sales-pricing</code> , <code>zappier-accounting- export</code>	Loopback/private HTTP into zappier- edge admin
Middleware HTTP	<code>/zapier/v1/*</code> job id + wait	Public HTTPS from edge only
NATS cluster	JetStream subjects under <code>verae.*</code>	Private; loopback or SSH tunnel
Workers	poller, webhook-deliver, aggregator	NATS + HTTPS to chain or Zapier hooks
Archives	WORM + tree nodes	NATS broadcast query; bloom miss = silence
Chain	Verae timestamping	HTTPS <code>api.veraetime.net</code> or MOCK
Control	<code>verae-fleet</code>	Operator loopback <code>:3850</code> ; SSH to extra machines

Request in one sentence

A Zap step POSTs to zappier-edge (`x-api-key`); edge meters the call and, when `ZAPPIER_UPSTREAM` is set, forwards timestamp/receipt/hash to middleware `/zapier/v1`. Middleware splits hash vs files, writes the hash (or Merkle root) to the chain, publishes `verae.zapier.jobs.watch`, and either returns `jobId` or waits on `verae.zapier.jobs.events`. Customer-service credits, sales per-customer multipliers, invoices, payment history, and QuickBooks export sit on zappier-edge (department APIs on `:3011–:3013`). Attached metadata and bulk-summary **leaves** are found later by broadcasting `verae.archive.query` to every archive/tree node.

See [diagrams](#).