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VERAE TIME × ZAPIER

README

site/packages/verae-ops/README.md

verae-ops — install, run, maintain

How to stand up Verae Time × Zapier on **Docker**, **Proxmox**, **generic VMs**, or **dedicated hardware**, and how to **link dependent services**.

Forgejo: <https://git.georgelambert.org/marchon/verae-ops>

Clone: <ssh://git@git.georgelambert.org:2223/marchon/verae-ops.git>

Catalog: <https://zapier.georgelambert.org/packages/verae-ops/README.pdf>

System map: <https://zapier.georgelambert.org/overview/README.pdf>

This is the operations repo. Application code lives in the other independent git repositories.

Reading order

1. [GETTING-STARTED.md](#) — install, first-up, monitor (read this first)
2. [01-dependencies.md](#) — what must exist, who talks to whom
3. [02-docker.md](#) — Compose (NATS 3-node cluster + HTTPS edges)
4. [03-proxmox.md](#) — LXC / QEMU VMs
5. [04-virtual-servers.md](#) — cloud or hypervisor VMs
6. [05-dedicated-hardware.md](#) — bare metal (NS1-style)
7. [06-linking-services.md](#) — env vars, URLs, replica floors
8. [07-maintenance.md](#) — upgrade, backup, fleet, NATS

Public PDFs of the same files: <https://zapier.georgelambert.org/packages/verae-ops/<name>.pdf>.

Non-negotiables

Rule	Why
Zapier cloud → HTTPS only (zappier-edge)	Never NATS, never <code>api.veraetime.net</code>
NATS binds loopback or a private docker/VM net	Not on the public NIC
Tree-node min 3 , pause does not count	Bulk Merkle lookups
Private keys stay on disk; git stores paths	<code>machines.json</code> <code>identityFile</code>
Operator console is loopback <code>:3850</code>	Not a public site

Quick lab (one machine)

```
git clone ssh://git@git.georgelambert.org:2223/marchon/verae-ops.git
cd verae-ops
docker compose up --build
```

Then: zappier `http://127.0.0.1:3000/` middleware `http://127.0.0.1:3100/health` NATS monitoring `http://127.0.0.1:8222/`

Production layout is three NATS nodes + fleet-spread workers; see [02-docker.md](#) and [05-dedicated-hardware.md](#).