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VERAE TIME × ZAPIER

05 developer credentials

<site/packages/dev-overview/05-developer-credentials.md>

Developer credentials and connection info

Lab pack for the Verae Time × Zapier stack on **NS1.GEORGELAMBERT.ORG** (70.88.205.138). Values below were checked **2026-09-14**. These are **lab defaults**, not production secrets. Rotate the public NATS token and admin secrets before treating this as a customer environment.

Zapier cloud **never** gets a NATS URL or a Verae password.

1. Who you are talking to

Host	Role
70.88.205.138	NS1 Proxmox. Public HTTPS + public NATS client edge
10.10.10.20	LXC 510 verae-px-worker (worm + tree)
10.10.10.21-23	LXC 511-513 nats-a/b/c JetStream cluster vera

SSH to the box: `ssh marchon@70.88.205.138`

Git SSH: `ssh://git@git.georgelambert.org:2223/marchon/<repo>.git` (port **2223**)

2. Public HTTPS doors (live)

Wildcard `*.zapier.georgelambert.org` → 70.88.205.138.

URL	Process	Port	Last check
https:// zapier.georgelambert.org/	docs catalog	files	200
https://git.georgelambert.org/	Forgejo	:443 / SSH :2223	200
https:// portal.zapier.georgelambert.org/	access-web → / portal/	:3021	302 → portal
https:// api.zapier.georgelambert.org/ health	access-api	:3022	200
https:// leaf.zapier.georgelambert.org/ health	access-leaf	:3023	200
https:// zap.zapier.georgelambert.org/ health	access-zapier	:3024	200
https:// staff.zapier.georgelambert.org/	access-staff	:3025	302 login
https:// login.zapier.georgelambert.org/	staff-session	:3027	200
https:// iam.zapier.georgelambert.org/ health	staff-iam	:3028	200 (users: 5)
https:// cs.zapier.georgelambert.org/	customer-service	:3011	302
https:// sales.zapier.georgelambert.org/	sales-pricing	:3012	302
https:// acct.zapier.georgelambert.org/	accounting-export	:3013	302
https:// mw.zapier.georgelambert.org/ health	middleware	:3100	200 mockVerae:true natsConnected:true

URL	Process	Port	Last check
https://fleet.zapier.georgelambert.org/	fleet console	:3850	302
https://nats.zapier.georgelambert.org/	NATS WebSocket (Caddy)	14422	400 on GET (expected; it is WS)

Loopback on NS1 (not public): zappier-edge **127.0.0.1:13000** (admin + Stripe + SQLite). Tunnel:

```
ssh -L 13000:127.0.0.1:13000 marchon@70.88.205.138
# then http://127.0.0.1:13000/admin and /docs
```

Operator console tunnel: `ssh -L 3850:127.0.0.1:3850 marchon@70.88.205.138`

3. NATS

Internal cluster (workers, keep, fleet)

No token. Private `vmbr1` only.

```
NATS_URL=nats://10.10.10.21:4222,nats://10.10.10.22:4222,nats://10.10.10.23:4222
JETSTREAM_REPLICAS=3
```

Port	Bind	Use
:4222	10.10.10.21-23	clients
:6222	same, vmbr1	cluster routes — do not publish
:7422	same	leaf hubs for the public edge — do not publish
:8222	127.0.0.1 on each LXC	monitor

From a laptop you **cannot** reach `10.10.10.x` unless you are on NS1 or you tunnel:

```
ssh -L 14222:10.10.10.21:4222 -L 14223:10.10.10.22:4222 -L 14224:10.10.10.23:4222
marchon@70.88.205.138
export NATS_URL=nats://127.0.0.1:14222,nats://127.0.0.1:14223,nats://127.0.0.1:14224
```

Public client edge (token)

Live token (file `/etc/nats/public-edge.token` on NS1):

```
4743a49383ce2ce86e99d9d41c45c0004fe75eb23ef3a2b9
```

```
nats://4743a49383ce2ce86e99d9d41c45c0004fe75eb23ef3a2b9@70.88.205.138:4222
wss://nats.zapier.georgelambert.org
```

`CONNECT` with that token returns `PONG` (checked 2026-09-14). `auth_required: true`. Server name `nats-public-edge`. **Do not** put this URL in Zapier. Recreate: `bash packages/verae-nats-cluster/scripts/expose-public.sh` on NS1.

Leftover lab listeners (ignore for new clients): host `127.0.0.1:4222` docker-proxy, `10.10.10.1:4222` socat. zappier-edge process still has `NATS_URL=nats://127.0.0.1:4222` — billing pubs may miss the 3-node cluster until that env is flipped.

nkeys/mTLS: **not** on. Isolation is LAN + token.

4. Middleware (jobs)

Live: `MOCK_VERAE=true`, `NATS_ENABLED=true`, cluster URL as above, `ADMIN_SECRET=change-me-admin` (default), `TOKEN_SECRET=dev-secret-change-me` (default).

Lab tenant (created 2026-09-14 for this pack)

Field	Value
tenantId	tenant-dev-lab-local-89ab82de
plan	free
API key	zmw_pXdwlUUyMHkAvqj3RRoQ2g0G6yAUQ1un
mock Verae user	lab-dev / lab-dev-pass
veraeUserId	vu_20ed6029b99efb2e

Proven: `GET /zapier/v1/auth/me` → valid; `POST /zapier/v1/timestamp` → 202 `jobId`; wait → mock certificate `blockIndex: 42`.

```
KEY=zmw_pXdwlUUyMHkAvqj3RRoQ2g0G6yAUQ1un

curl -sS -H "x-api-key: $KEY" https://mw.zapier.georgelambert.org/zapier/v1/auth/me

curl -sS -H "x-api-key: $KEY" -H "content-type: application/json" \
  -d '{"sha256":"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"}' \
  https://mw.zapier.georgelambert.org/zapier/v1/timestamp

curl -sS -H "x-api-key: $KEY" -H "content-type: application/json" \
  -d '{"sha256":"bbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb"}' \
  https://mw.zapier.georgelambert.org/zapier/v1/timestamp/wait
```

Customer API plane (forwards `x-api-key` to middleware):

```
curl -sS -H "x-api-key: $KEY" -H "content-type: application/json" \
  -d '{"sha256":"aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa"}' \
  https://api.zapier.georgelambert.org/v1/timestamp
```

`https://zap.zapier.georgelambert.org` is the Zapier **plane**. It does **not** currently forward `x-api-key` on timestamp (401 if you curl it with a key). Zapier Platform push is still waiting on login; when it is live, set `MIDDLEWARE_BASE_URL=https://zap.zapier.georgelambert.org` and use a `zmw_...` key in the Zap.

Mint another key (mock Verae accepts any username/password):

```
curl -sS -H "content-type: application/json" \
  -d '{"email":"you@lab.local","name":"You","veraeUsername":"you","veraePassword":"you-pass"}' \
  https://mw.zapier.georgelambert.org/zapier/v1/signup
```

Admin list/provision:

```
curl -sS -H "x-admin-secret: change-me-admin" \
  https://mw.zapier.georgelambert.org/zapier/v1/admin/tenants
```

5. Portal / zapier-edge (billing users)

SQLite `/SSD3/moved/home-marchon/verae-stack/packages/zapier/zapier.db`. Bind `127.0.0.1:13000`.

Seed **customer API keys** (`x-api-key` on edge `/v1/*`, **not** middleware `zmw_`):

Customer	tier	key
Ada (free)	free	<code>key-ada</code>
Grace (pro)	pro	<code>key-grace</code>
Linus (business)	business	<code>key-linus</code>
Docs Capture	free	<code>key-021851970d8a22c6</code>

These keys are for the **edge meter / portal**. Middleware jobs need a `zmw_...` key (section 4).

Seed **admin console** (`/admin`, `x-admin-key` or login):

username	password
<code>admin</code>	<code>admin-dev-key</code>
<code>demo</code>	<code>\$\$\$Adm1n###</code>

`ZAPPIER_ADMIN_KEY` default on CS/sales/staff processes: `admin-dev-key`.

Stripe: **not** live (lab quotes only). Env `STRIPE_*` unset on the sampled edge process.

Signup more customers at <https://portal.zapier.georgelambert.org/portal/>

6. Staff IAM

<https://login.zapier.georgelambert.org/> · <https://iam.zapier.georgelambert.org/>

Seed users (defaults; live IAM has these five):

username	password	role
admin	admin-dev-key	owner
cs	cs-dev-key	cs
sales	sales-dev-key	sales
accounting	acct-dev-key	accounting
operator	fleet-dev-key	operator

STAFF_KEY / session fallback: admin-dev-key .

7. Leaf plane

<https://leaf.zapier.georgelambert.org/health> → `verae.access.leaf.in`

Live: `LEAF_TOKEN=leaf-dev-token`

```
curl -sS -H "content-type: application/json" \  
  -d '{"token":"leaf-dev-token","target":"verae.archive.put","payload":{},"principal":"dev"}' \  
  https://leaf.zapier.georgelambert.org/
```

Billing targets are **denied** on this plane.

8. Git (Forgejo)

Web	https://git.georgelambert.org/marchon/
SSH	<code>ssh://git@git.georgelambert.org:2223/marchon/<name>.git</code>
User	<code>marchon</code>
Overview of routes	https://git.georgelambert.org/marchon/dev-overview
Monorepo	<code>master-zapier-plan-draft</code>
Bootstrap	https://git.georgelambert.org/marchon/verae-bootstrap

```
GIT_SSH_COMMAND="ssh -p 2223" git clone ssh://git@git.georgelambert.org:2223/marchon/dev-overview.git
```

Add your SSH public key on Forgejo (user **marchon** or a new account). Do not commit deploy tokens.

Clone-all:

```
git clone ssh://git@git.georgelambert.org:2223/marchon/verae-bootstrap.git
cd verae-bootstrap
export VERAЕ_SRC=$HOME/verae-src
bash scripts/fetch.sh ns1-all-in-one
```

9. Environment cheat sheet (new worker on the cluster)

```
export NATS_URL=nats://10.10.10.21:4222,nats://10.10.10.22:4222,nats://10.10.10.23:4222
export JETSTREAM_REPLICAS=3
export NATS_ENABLED=true
export MOCK_VERAЕ=true # flip to false only with live Verae login
export VERAЕ_API_BASE_URL=https://api.veraetime.net
export AUTHZ_URL=http://127.0.0.1:3020
export ZAPPIER_UPSTREAM=http://127.0.0.1:3100
export ZAPPIER_ADMIN_URL=http://127.0.0.1:13000
export ZAPPIER_ADMIN_KEY=admin-dev-key
export LEAF_TOKEN=leaf-dev-token
export STAFF_IAM_URL=http://127.0.0.1:3028
```

Template worker: clone `verae-nats-process`, rename `verae.example.process.*`.

10. Not issued yet (blocked)

Item	Why
Zapier Platform deploy key / <code>zapier login</code>	operator has not logged the CLI in
Live <code>api.veraetime.net</code> username/password	<code>MOCK_VERAE=true</code> ; JWT would stay in middleware
NATS nkeys / account creds	cluster is <code>\$G</code> + LAN
Stripe live secret	lab only
lan-134 SSH worker	disabled

When Zapier login exists: `MIDDLEWARE_BASE_URL=https://zap.zapier.georgelambert.org` , auth field `api_key` = `zmv_...` .

When live Verae exists: middleware `MOCK_VERAE=false` + `VERAE_API_BASE_URL=https://api.veraetime.net` + working login. Zapier still never sees that password.

11. Related docs

- Routes: [01-nats-routes.md](#)
- Endpoint I/O: [02-endpoint-io.md](#)
- Job path: [03-zapier-verae-path.md](#)
- Gaps: [04-gaps-and-finish.md](#)
- Ops start: <https://zapier.georgelambert.org/packages/verae-ops/GETTING-STARTED.pdf>
- Status: <https://zapier.georgelambert.org/packages/zapier-decisions/STATUS.pdf>