

zapier.georgelambert.org · Markdown indexes

VERAE TIME × ZAPIER

phase gates

site/docs/plans/phase-gates.md

Phase Gates — Commands and Acceptance Criteria

Gates enforce **test-before-next-step**. Run from repository root:

```
cd /Users/marchon/apps/zapier
npm run gate:N
```

`npm run gate:all` runs gates `0` ... `12` sequentially and **exits non-zero** on first failure.

Gate 0 — Structure and documentation

```
npm run gate:0
```

Check	Requirement
Layout	<code>TODO.md</code> , <code>README.md</code> , middleware + zapier dirs, docs tree
Architecture	<code>docs/architecture/overview.md</code> , <code>nats-subjects.md</code>
Developer	<code>docs/developer/debugging.md</code> , <code>docs/developer/modules/*.md</code>
Plan	<code>docs/plans/phase-gates.md</code>

Gate 1 — Debug facility

```
npm run gate:1
```

Tests: `verae-zapier-middleware/test/unit/debug*.test.js`

Check	Requirement
Off by default	No output when <code>DEBUG_VERAЕ</code> unset
Namespace filter	<code>auth</code> does not emit <code>nats</code> lines
Redaction	Tokens/passwords not present in formatted output
Trace	Child spans inherit <code>traceId</code>

Gate 2 — HTTP shell

```
npm run gate:2
```

Check	Requirement
Health	<code>GET /health</code> → 200 { status: "ok" }
Errors	Thrown <code>AppError</code> → JSON { error, code }
Config	Reads NATS and debug env keys

Gate 3 — Stores

```
npm run gate:3
```

Check	Requirement
Tenants	API key maps to tenant
Limits	Plan + enterprise contract
Webhooks	Tenant isolation
Persist	Reload preserves state

Gate 4 — Tokens + Verae client

```
npm run gate:4
```

Check	Requirement
HMAC	Bad signature rejected
Mock job	create → wait → completed
HTTP debug	No Authorization values logged

Gate 5 — Auth + entitlements

```
npm run gate:5
```

Check	Requirement
Me	Valid API key
401	Invalid key
402	Over quota

Gate 6 — Sync HTTP API (NATS off)

```
NATS_ENABLED=false MOCK_VERAE=true npm run gate:6
```

Check	Requirement
Timestamp	202 + jobId
Wait	completed status
Verify	boolean valid
Webhooks	subscribe stored

Gate 7 — NATS infrastructure

```
npm run gate:7
```

Check	Requirement
Streams	Created/idempotent ensure
Pub/sub	One message round-trip
Flag off	App boots without NATS

Gate 8 — Workers

```
NATS_ENABLED=true MOCK_VERAE=true npm run gate:8
```

Check	Requirement
Watch→event	Terminal event published
Webhook	Mock receiver got POST
Queue group	No double complete

Gate 9 — Wait via NATS

```
npm run gate:9
```

Check	Requirement
Success	Wait returns completed
Timeout	Returns pending + jobId

Gate 10 — Tenancy

```
npm run gate:10
```

Check	Requirement
Signup	free + apiKey
Enterprise	requires contract

Gate 11 — Zapier package

```
npm run gate:11
```

Check	Requirement
Auth module	fields + test URL
Creates	correct middleware paths
Trigger	subscribe shapes

Gate 12 — E2E local compose

```
npm run gate:12
```

Check	Requirement
Stack	health green
Paths	async + wait + hook

Gate 13 — Production smoke (opt-in)

```
PRODUCTION_SMOKE=1 npm run gate:13
```

Requires real secrets; skipped in default `gate:all`.

Gate 14 — Human acceptance

Manual checklist in `TODO.md` (not automated).

Gate 15 — Hardening

Checklist + load notes in `TODO.md`.

Recording results

After each green gate, update the **Gate log** table in `TODO.md` with date and `pass`.