

# TESTS FOR ENGLISH ENDPOINTS - Document 4:

## System & Health (English)

### Overview

Tests for system-level endpoints and headers from the perspective of English clients. Endpoints include `/health`, `/info`, `/api/facturas/status` (or `/info general`), and `/api/version`. Responses contain mode and may include language metadata.

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### 1. GET /health

- `GET /health` returns 200 OK and `{ status: "OK", timestamp: "..." }`.
  - Validate response time < 100ms in SIMULATED mode.
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### 2. GET /info

- From an English client, `/info` should convey `mode`, `features.bilingual: true`, and `endpoints` including `englishInvoices` group.
  - In REAL mode, `haciendaConnection` must be present with `status: CONNECTED`.
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### 3. Headers

- All responses include `X-API-Version`, `X-System-Mode` and `X-Node-Env`.
  - Security headers by Helmet must be present: `Content-Security-Policy`, `X-Frame-Options`, `X-Content-Type-Options`.
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### 4. /api/facturas/status (system invoicing status)

- Verify fields `invoicing.totalEmitted`, `invoicing.totalSent`, `adapter.mode` and `adapter.initialized`.
  - Validate `adapter.mode` can be SIMULATED when certificates missing even if `NODE_ENV=production` unless keys are configured.
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### 5. GET /api/version

- Returns `version`, `apiVersion`, `buildNumber`, `nodeVersion`, and `environment`.
  - Validate version format semver.
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### 6. Monitoring scripts (English)

- Provide PowerShell or Bash health-check script examples for English operations.
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### Summary - Document 4

- System endpoints return information usable by English clients and by monitoring systems
- Tests include headers, modes, and performance thresholds