

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.

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