SonarQube Remediation Final Report — `foods-orca-outbound-servic`

Generated: 2025-12-18

Executive Summary

- **Baseline OPEN issues:** 270 (Bugs: 3, Vulnerabilities: 0, Code Smells: 267)
- **Final OPEN issues:** 0 (INFO/MINOR/MAJOR/CRITICAL/BLOCKER all 0)
- **Quality Gate:** ERROR → ERROR (final gate failing on *new code coverage*)
- **Build verification:** `mvn clean test` (Tests run: 132, Failures: 0, Errors: 0)

Baseline Snapshot

Source: `sonar-baseline-report.md` (Generated: 2025-12-16 23:29:49)

Summary

- Total Issues: 270
- Bugs: 3
- Vulnerabilities: 0
- Code Smells: 267
- Coverage: 0.0%
- Duplication: 29.4%
- Quality Gate: ERROR

Severity Breakdown

- BLOCKER: 0
- CRITICAL: 43
- MAJOR: 190
- MINOR: 33
- INFO: 4

Top Rules (baseline)

- java:S6485: 106
- java:S2479: 36
- java:S1117: 22
- java:S125: 17
- java:S1854: 17
- java:S1481: 14
- (full baseline list in `sonar-baseline-report.md`)

Final Snapshot (Sonar API Evidence)

OPEN Issues (all severities)

Source: `sonar-fix-details/open-issues-facets.json` - INFO: 0 - MINOR: 0 - MAJOR: 0 - CRITICAL: 0 - BLOCKER: 0

Measures

Source: `sonar-fix-details/measures-final.json` - bugs: 0 - vulnerabilities: 0 - code_smells: 0 - violations: 0 - coverage: 0.0 - duplicated_lines_density: 29.4 - security_hotspots: 2

Quality Gate

Source: `sonar-fix-details/quality-gate-final.json` - Status: **ERROR** - Failing condition(s): - `new_coverage` is 0.0 (threshold is 80)

Remediation Summary (Rule-by-Rule)

Source of record: `sonar-progress-report.md`

All baseline rules were driven to 0 OPEN issues (plus a small number of additional/reopened items encountered during rescans):

- java:S2479: 36 → 0
- java:S3776: 2 → 0
- java:S131: 1 → 0
- java:S1186: 1 → 0
- java:S2696: 1 → 0
- java:S1948: 1 → 0
- java:S1192: 1 → 0
- java:S6485: 106 → 0
- java:S1117: 22 → 0
- java:S125: 17 → 0
- java:S1854: 15 → 0
- java:S1068: 5 → 0
- java:S117: 5 → 0
- java:S1604: 4 → 0
- java:S1141: 3 → 0
- java:S1118: 3 → 0
- java:S2142: 3 → 0
- java:S1135: 3 → 0
- java:S1854 (additional): 2 → 0
- java:S6126: 2 → 0
- java:S1104: 2 → 0
- java:S1165: 2 → 0
- java:S107: 1 → 0

- java:S3011: $1 \rightarrow 0$
- java:S106: $1 \rightarrow 0$
- java:S4042: $1 \rightarrow 0$
- java:S1144: $1 \rightarrow 0$
- java:S6204: $1 \rightarrow 0$
- java:S1488: $1 \rightarrow 0$
- java:S1602: $1 \rightarrow 0$
- java:S1116: $1 \rightarrow 0$
- java:S1155: $1 \rightarrow 0$
- java:S1220: $1 \rightarrow 0$
- java:S5411: $1 \rightarrow 0$
- java:S6539: $1 \rightarrow 0$
- java:S1117 (additional): $1 \rightarrow 0$
- java:S125 (round 2): $1 \rightarrow 0$

Artifact Index (Evidence Trail)

All remediation artifacts live under `sonar-fix-details/`.

Per-rule artifacts

For each remediated rule, artifacts follow these conventions: - **Issue snapshot(s):** `java_S####-issues.json` and (when available) `java_S####-issues-after.json` - **Fix report:** `java_S####-fix-report.md` (and round suffixes like `-r2`)

Final-state artifacts

- `sonar-fix-details/open-issues-facets.json` (final OPEN issues = 0)
- `sonar-fix-details/quality-gate-final.json` (final Quality Gate status)
- `sonar-fix-details/measures-final.json` (final project measures)

Full directory listing (for audit)

See the current contents of `sonar-fix-details/` in the workspace explorer; it includes all per-rule `*.json` snapshots and `*-fix-report.md` files.

Verification

- Compile gate used throughout: `mvn clean test-compile -DskipTests`

- Final full test run: `mvn clean test`
- Final Sonar CE-verified scans are logged in `sonar-progress-report.md`

Notes / Follow-ups

- Quality Gate remains **ERROR** due to `new_coverage` being 0.0 vs required 80 (see `sonar-fix-details/quality-gate-final.json`).
- `security_hotspots` is 2 (see `sonar-fix-details/measures-final.json`). Hotspots are reviewed separately from issues.