

Bilko HR eRačun — sveRačun (PostLink) Integration & Status Model

Overview

Provider: sveRačun by PostLink d.o.o. (Velika Gorica, HR).

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API docs: <https://sveracun-public-api.redocly.app/>

Replaces the abandoned Storecove plan (MC #8675, not approved). CEO accepted sveRačun partnership 2026-06-11.

Current state: adapter MERGED to main, GATED/DISABLED (`SVERACUN_HR_LIVE=false`, `adapter_config` `sveracun-hr-fisk` `enabled=FALSE`). Live activation pending (MC #103443).

API

Operation	Endpoint	Notes
Submit document	<code>POST</code> <code>https://test.sveracun.hr/api/rest/v1/documents/send</code>	Auth header: <code>Authorization: <raw-api-key></code> (apiKey scheme, NOT Bearer). Body: raw UBL 2.1 XML (<code>application/octet-stream</code>). Response: <code>{"documentId": "<hex>"}</code> . PROD base URL differs from TEST.
Internal status	<code>POST</code> <code>/rest/v1/documents/getInternalStatus</code>	Poll only — no webhook.
External status	<code>POST</code> <code>/rest/v1/documents/getExternalStatus</code>	Provider also references <code>documents/getStatus</code> .

Two-Stage Processing (per David Krišto / PostLink)

Etap 1 — Basic parse: the initiator OIB (the OIB that calls send, tied to the API key) MUST equal the sender OIB inside the UBL XML, plus recipient/document-type/process checks. Mismatch results in status `FAILED`.

Etap 2 — Full routing: validation vs Porezna uprava validator; recipient access-point lookup; SBD preparation; AS4 exchange (waits 5 min for recipient access point; on unavailability retries up to 24x every 30 min); outbound fiscalization; archiving.

Status Model (Authoritative — correct as of 2026-06-11)

Internal statuses

Status	Meaning
<code>NEW</code>	Inbound-only — document available to pick up.
<code>OK</code>	Processed successfully by sveRačun.
<code>FAILED</code>	Processing interrupted (e.g. sender OIB mismatch, parse error).
<code>UNKNOWN</code>	Currently being processed.
<code>UNDELIVERABLE</code>	Recipient not registered in AMS (access-point lookup failed).

External (fiscalization) statuses

Status	Meaning
<code>FISCALIZATION:OK</code>	Fiscalization succeeded.
<code>FISCALIZATION:ERROR</code>	Fiscalization failed.
<code>null</code>	Not yet forwarded to fiscalization.
<code>FISCALIZATION_PAYMENT_REPORT:OK ERROR</code>	Payment report fiscalization result.
<code>FISCALIZATION_REJECTION_REPORT:OK ERROR</code>	Rejection report fiscalization result.

Status	Meaning
FISCALIZATION_NOT_DELIVERED_REPORT:OK ERROR	Not-delivered report fiscalization result.

Bilko decision: composite outcome classification

Outcome	Condition
SUCCESS	internal = OK AND external = FISCALIZATION:OK
FAILURE	internal = FAILED UNDELIVERABLE, OR external = FISCALIZATION:ERROR any REJECTION_REPORT any NOT_DELIVERED_REPORT
PENDING	internal = UNKNOWN NEW, OR external = null

“ How do we know the invoice arrived? Poll until external status is FISCALIZATION:OK (success) or any *_REPORT / ERROR terminal state (failure). There is NO webhook from sveRačun.

Implementation

Source files

- apps/api/src/main/kotlin/no/alai/bilko/country/hr/SveRacunHttpClient.kt — HTTP client (submit, getInternalStatus, getExternalStatus).
- apps/api/src/main/kotlin/no/alai/bilko/country/hr/SveRacunHrEInvoiceAdapter.kt — serialize, submit, pollStatus; unified mapStatusPair(internal, external) logic.
- PluginHR.kt — EINVOICE_SUBMIT = BETA, gated by SVERACUN_HR_LIVE flag.
- db/migrations/V74__sveracun_adapter_config.sql — Flyway migration; registers adapter_config record sveracun-hr-fisk.

Key implementation detail

serialize() forces UBL AccountingSupplierParty OIB to equal SVERACUN_SENDER_VAT (e.g. HR91276104352). If this env var is unset the method is fail-closed (throws before submitting). This prevents Etapa-1 sender-OIB mismatch failures.

Configuration & secrets

Variable	Purpose	Where stored
<code>SVERACUN_API_KEY</code>	API authentication (raw key, not Bearer)	GCP Secret: <code>bilko-sveracun-test-api-key</code> (TEST); separate PROD secret to be provisioned.
<code>SVERACUN_BASE_URL</code>	Base URL (test vs prod differs)	Cloud Run env
<code>SVERACUN_SENDER_VAT</code>	Sender OIB for UBL XML + Etapa-1 initiator match	Cloud Run env
<code>SVERACUN_HR_LIVE</code>	Feature gate (false = adapter disabled)	Cloud Run env

“ **SECURITY:** Never commit or log the actual API key value. Always retrieve from GCP Secret Manager at runtime.

PRs & tests

- PR #346 — initial integration.
- PR #348 — status-model correction (MC #103445).
- 42 unit tests: `SveRacunHrEInvoiceAdapterTest`.

Verification

Proveo independent PASS — live TEST submit returned HTTP 200, `internalStatus=UNKNOWN` (processing) after Etapa-1 sender-OIB fix. Prior `FAILED` result was caused by sender/initiator OIB mismatch before the `serialize()` fix. Evidence: `/tmp/evidence-103445/`.

Activation Checklist (MC #103443 — NOT yet done)

1. PostLink confirms our OIB `91276104352` is a registered TEST sender (and separately, PROD sender).
2. Independent green re-test: `internalStatus=OK` end-to-end (both Etapa 1 and 2).
3. Provision PROD sveRačun API key as GCP Secret.
4. Flip adapter_config `enabled=true` + `SVERACUN_HR_LIVE=true` + `SVERACUN_SENDER_VAT` in Cloud Run (PROD environment).
5. ZAKON PI2 deploy + Proveo live-activation verification.
6. GA compliance review before statutory HR eRačun filing obligations take effect.

Related MC Tasks

- **MC #103434** — sveRačun integration (build).
 - **MC #103445** — Corrected status model (PR #348).
 - **MC #103443** — Live activation (pending — do NOT mark done until activation checklist complete).
 - **MC #8675** — Abandoned Storecove plan (not approved; superseded).
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Document Metadata

- **Author:** ALAI / Skillforge
 - **Created:** 2026-06-11
 - **Status:** LIVE REFERENCE — update when activation checklist progresses or API contract changes.
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