

LicenceR

Simple licensing, seriously enforced. Grace periods, not outages, when the network blinks.

Register your products, decide how each licence is metered, and issue it — direct, through a reseller, in bulk, or by card from a self-service shop. Every licence becomes a signed token your application verifies offline, refreshed by calling home. Paid orders become invoices, delivered as compliant European e-invoices through your own account.

Signed licence tokens

Call-home & offline grace

Partner tier

Stripe checkout

Peppol e-invoicing

10

LICENCE TYPES

4

ROLE-SCOPED PORTALS

13

BUILT-IN REPORTS

95.9%

LINE COVERAGE, ENFORCED

THE PROBLEM

Licensing is where a product company quietly leaks money and goodwill.

The licence key generator is a script one engineer wrote and nobody else understands. Renewals are tracked in a spreadsheet, so some lapse silently and others are chased twice. The reseller e-mails for a key and waits until Tuesday. And when a customer's network hiccups, your software stops working — which costs more trust than the licence was worth.

A key script

Issuance depends on one person, one laptop and no audit trail.

Silent lapses

Renewal revenue lost because nothing warned anyone in time.

Resellers waiting

Every partner key is a support ticket against your team.

Brittle enforcement

A check that fails closed on a network blink turns your licensing into an outage.

THE SOLUTION

The whole licence lifecycle, and the money behind it, in one system you own.

Enforcement that respects reality

Licences are signed tokens your application verifies **offline**, with a configurable grace period carried inside the token. A customer whose connection drops keeps working; a customer who stops paying does not.

Types are configuration

Ten licence types run on six enforcement strategies, decoupled by design — so how a product is metered is a setting per product, not a code change and not a release.

The channel serves itself

Resellers issue their own licences to their own customers in their own portal. Customers buy, renew and download in theirs. Your team stops being the bottleneck.

THE LOOP

1

Define

Register the product, its feature catalogue, and a licence type configuration: duration, grace days, seats, usage quota, reset period, overage behaviour, heartbeat interval, key format.

2

Issue

Directly, by a partner, in batches of up to five hundred, imported from an existing system, or bought by card in the shop. Every issue writes an audit event.

3

Enforce

The application validates at start-up, activates against a hardware fingerprint, and sends heartbeats carrying usage. Rate-limited, and answered with a status your code can act on.

4

Renew & invoice

Warnings at thirty, fourteen, seven and one day. Renewal rotates the key on the policy you chose. Fulfilled orders draft an invoice and can go out as a compliant European e-invoice.

ISSUE & ENFORCE

The licence engine and the call-home API.

1 Licence model

- Perpetual, subscription, fixed period, volume, concurrent seats, site, trial, evaluation, not-for-resale and OEM
- Six enforcement strategies — none, fixed date, date from activation, usage count, concurrent seats and named seats — chosen independently of the type
- Per-product configuration: duration, grace days, seat and usage ceilings, metric label and unit, reset period, heartbeat interval, activation requirement, offline allowance
- **Overage behaviour is a policy:** block, or allow and notify
- **Configurable key format** — a pattern of letters and digits over an alphabet with the ambiguous characters removed, generated securely and checked for collision
- Feature flags per licence, embedded in the signed token, against a per-product feature catalogue
- Seven statuses covering pending, active, suspended, revoked, expired, converted and quota-exhausted

2 Lifecycle & audit

- Issue, edit, suspend, resume, revoke, renew, convert a trial to paid, change features, download the token
- **Key rotation on renewal, three policies:** keep the key, rotate with the old key valid through a grace window, or rotate immediately
- **Append-only audit trail** — thirteen event types recording every issue, activation, suspension, revocation, renewal, rotation, feature change and import
- **Bulk issue** up to five hundred per batch, each committing independently so one bad row cannot discard the rest
- **Import** up to five thousand rows from CSV, XML or JSON with a dry-run preview; existing keys are migrated under their own key
- Export streamed in pages under the screen's own filters, so a large book costs the same memory as a small one

3 The call-home API

- **Validate** at start-up — returns status, entitlements and a freshly signed token
- **Heartbeat** — keepalive carrying usage delta and cumulative usage for metered licences
- **Activate** against a hardware fingerprint, hostname, operating system and application version; idempotent
- **Release** a floating seat cleanly on shutdown
- Seven response statuses your code can branch on, including an explicit grace-period state
- **Rate limited per licence key** — validate ten a minute, heartbeat twenty, activate sixty
- **Signed webhooks** to the customer on renewal and revocation, so entitlement changes propagate before the next heartbeat

4 Integration you can hand to a developer

- An integration guide with worked client examples in Java, Python and Node, plus a recommended client state machine and an error reference
- An in-product API explorer with a live request runner and **copy-paste client code in eleven languages**
- Exports of the specification as JSON, YAML, a Markdown reference — and an **integration brief written for a coding agent**

Why offline verification matters commercially. The token is signed with your organisation's own key and verifies against the public half with no network at all. That is what lets you sell into air-gapped, factory-floor and shipboard environments where a call-home licence check would disqualify you from the tender.

SELL, BILL & DELIVER

Four portals, a shop, and the invoice behind it.

- 5 Four role-scoped portals**

 - **Organisation** — twenty screens: partners, customers, licences, products, orders, invoices, billing, e-mail, users, settings, reports, logs and health
 - **Partner** — a reseller sees only its own customers and their licences, issues and bulk-issues, and updates its own details, under an enforced customer cap
 - **Customer** — own licences, activation, token and certificate download, webhook and notification settings, billing identity, and the shop
 - **Platform** — tenants, organisations, cross-tenant users, platform settings and a pinnable acting context
 - Eight roles arranged in a real hierarchy, enforced on essentially every endpoint
- 6 Self-service purchasing**

 - Each organisation connects **its own payment account** — the platform holds no money and takes no cut
 - A catalogue of named offers over a licence type, each able to override duration, seats or quota
 - **Orders are baskets** — several licences, several products, several types, one payment and one invoice
 - Each line fulfils itself exactly once, guarded against double issue
 - **Exactly-once settlement:** the payment webhook and the returning browser settle the same order under a lock
 - Operator-raised orders for telephone, purchase-order and bank-transfer sales, with the settlement route recorded
 - A paid-but-unfulfilled state that is visible and retryable rather than silently lost
- 7 Invoicing & e-invoicing**

 - Every fulfilled order drafts an invoice, whether or not e-invoicing is connected
 - **Peppol BIS Billing 3.0 documents** delivered through the organisation's own account
 - **European VAT rules validated before sending** — standard, zero, exempt, reverse charge, intra-community, export and out-of-scope, with exemption-reason checking
 - **Gapless invoice numbering** under a row lock, with configurable prefix, year, month, padding and reset scope
 - Bill-to resolution across partner and customer defaults, frozen onto the order when it is raised
 - Four export formats through one door, with a sent invoice exporting its stored bytes unchanged
- 8 Delivery, alerts & insight**

 - **An SFTP server built into the product**, with per-customer, per-product credentials and an in-portal file browser confined to each credential's own directory
 - Product releases with version, notes, checksum and a generated manifest that tells deployed applications an upgrade exists
 - Expiry warnings at thirty, fourteen, seven and one day, with de-duplication, plus grace and usage-threshold warnings
 - Five outbound mail providers, resolved from the organisation's own configuration or a platform fallback, with the effective choice reported
 - **Thirteen reports** — by product, type, customer and partner, expiring and expired, renewals due, seat utilisation, volume usage, **call-home health**, trial conversion and issuance trend
 - Live log console with runtime log levels, and a health screen for memory, threads and caches

Call-home health is the report nobody else ships. It lists the licences that have gone quiet — paid-for software that stopped phoning home. That is your churn signal, your failed-deployment signal and your tampering signal, and it arrives before the renewal conversation rather than after it.

WHO BUYS IT

Software companies that ship software someone else runs.

Independent software vendors

The core market. Any product company shipping installable, on-premise or self-hosted software that needs entitlements enforced in an environment it does not control.

Engineering & simulation

CAD, CAM, analysis and simulation tools — the classic home of floating seats, node-locked activation and site licences, all first-class here.

Industrial & machine control

Software on the factory floor, where offline verification with a grace period is not a nicety but the condition of being allowed on the network at all.

Healthcare & laboratory

Instrument and analysis software in segregated networks, licensed per site or per instrument, with an audit trail for every entitlement change.

Vertical-market ERP

Sector-specific business software sold per module — feature flags carried inside the signed token turn modules into entitlements.

OEM & embedded software

Software licensed into somebody else's product, with a dedicated OEM licence type and a partner tier that bills the partner rather than the end customer.

Channel-led vendors

The reason to choose this over a key generator: resellers issue and manage their own licences, under their own cap, with their own invoicing identity.

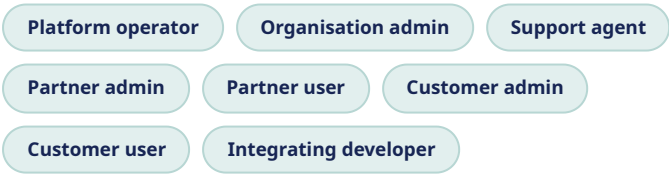
Metered & transaction pricing

Products priced by documents, transactions or API calls — usage counted through the heartbeat, with reset periods and overage policy.

European vendors

Peppol e-invoicing, EN 16931 VAT categories, reverse charge and intra-community supply handled properly, euro and twenty-one percent as defaults.

WHO USES IT



The support role is deliberately shaped: it can renew, suspend, resume and export, but cannot delete, revoke or change configuration — so first-line support can be helpful without being dangerous.

WHAT IT REPLACES

TODAY	THE COST
A key-generation script	One person, no audit, no revocation
A renewals spreadsheet	Silent lapses and duplicate chasing
E-mailing keys to resellers	Every partner sale is a ticket for your team
A hosted licensing service	Per-activation fees, and your entitlement data in someone else's tenancy

TECHNICAL SPECIFICATION

Three containers, one command, no Node in the build.

Runtime	Java 21 on Spring Boot 4; native-image build profile included
Database	PostgreSQL, 25 versioned migrations, 30 tables
Telemetry	Heartbeats partitioned by month — purging retention drops a partition rather than scanning a table
Front end	Server-rendered vanilla ES6; no package manager, no Node in the build , fingerprinted pre-compressed assets
API	A portal API behind session and request-forgery protection, plus a public licence API authenticated by licence key
Signing	An RSA key pair per organisation; rotation retires rather than deletes, so tokens already in the field keep verifying
Install	One command, three containers; every credential and key generated on first start into a volume — never into environment variables
Scale	~61 000 lines of Java, 40 controllers, 49 services
Quality	2 131 tests ; enforced build floors of 95% line and 80% branch coverage, measured at 95.9% and 82.0%

SECURITY & GOVERNANCE

- Eight roles in an enforced hierarchy, applied at essentially every endpoint
- **AES-256-GCM at rest** for signing keys, payment, e-invoicing and mail credentials, with start-up refusing to run without a key
- bcrypt passwords; single-use, purpose-scoped, fifteen-minute reset tokens with anti-enumeration
- Rate limiting on login and on every licence API operation, with forwarded addresses trusted only from declared proxies
- **A dedicated security audit log**, ninety-day retention, covering sign-in, licence rejection and access denial, hardened against log injection
- A strict content security policy with **no inline scripting and no third-party origins**, frame denial and strict transport security

Stated plainly: multi-factor authentication and single sign-on are not in this release; named-user seat licensing and automatic renewal are modelled but not yet operable; there is no data-subject export or erasure tooling. Printed certificates require a browser component that the default container omits. Ask for the current roadmap before positioning against a requirement that names any of these.

COMMERCIAL

Licensed per installation. No per-activation fee.

Bought once and run by you — no per-activation tax on your own product's success.

REVENUE	PER YEAR	REVENUE	PER YEAR
Up to €500k	€900	€100M	€13,000
€1M	€1,500	€500M	€37,000
€5M	€2,500	€1B	€52,000
€25M	€5,500		

Annual licence on your own turnover, ex VAT. The schedule is marginal like income tax — each slice of turnover is charged at its own rate, so there are no cliffs — with a €900 minimum and any yearly increase capped at 25%. Every tranche carries unlimited users, projects and organisations inside one tenant, self-hosting and support that rises with the tranche. Hosting and hardware are yours, and consultancy, setup, migration and training are quoted separately.

Peppol and EN 16931 are referenced as interoperability standards. Specifications may change.

NEXT STEP

Bring your licence book.

Export what you have today, however untidy. We will import it under its existing keys and show you the renewals you were about to miss.

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