



RIHUUM INTERCONTINENTAL LIMITED

EXECUTIVE-AUTHORISED CONTROLLED RELEASE

Rihuum Digital Ecosystem Master Architecture

RME, RIA, Rihuum OS, Sentinel AI and RAHIS controlled operating model

Version 2.1 | 26 July 2026

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CONTROLLED GOVERNANCE, ENGINEERING, COMMERCIALISATION AND RELEASE DOCUMENT

Document Control

Field	Controlled value
Status	Executive-authorised controlled release architecture. Formal Board ratification and live commissioning must be evidenced separately; no uncommissioned provider or product capability is represented as active.
Owner / legal identity	Rihuum Intercontinental Limited RC 1476119 registered locality: Abuja, Nigeria
Domains	rihuum.com rihuum.tech rihuum.net
Central cybersecurity platform	Rihuum Sentinel AI
Hospitality platform	RAHIS v8.3.0 controlled consolidated integration candidate
Change summary	Consolidates the three-domain ecosystem, RME 0.3 Configuration Centre, actual Sites/D1 and Namecheap topology, Sentinel staging boundary, RAHIS component BOM and evidence-based activation governance.
Attribution	Built and Developed by Rihuum Intercontinental Limited - www.rihuum.tech

Executive Architecture Decision

Rihuum will operate one digital ecosystem, not independent websites or disconnected applications. Corporate trust, product discovery, customer operations, Academy learning, cybersecurity, hospitality and managed infrastructure must share identity, product registry, licensing, analytics, support, governance and controlled integration contracts.

The three public domains remain distinct journeys while RME provides the shared enterprise kernel and v0.3 Configuration Centre, RIA governs intelligence, Rihuum OS provides the unified product experience, Sentinel AI governs cybersecurity and RAHIS remains the hospitality system of record. RETP is a superseded historical alias and is not a current product name.

1. Three-domain mandate

Domain	Primary mandate	Sentinel/RAHIS integration
rihuum.com	Corporate headquarters, governance, partnerships, investor trust, careers, corporate news and general sales.	Explain corporate security governance and direct qualified buyers to product workspaces.
rihuum.tech	Technology products, AI, cybersecurity, software, Academy, demonstrations, documentation and solution sales.	Primary Sentinel AI catalogue, authorised onboarding, Academy cyber range and RAHIS product pages.
rihuum.net	Infrastructure, network, managed operations, support, service status and continuity.	Security status, collector/edge operations, MDR service centre and infrastructure assurance.

2. Shared platform hierarchy

Layer	Responsibility	Non-negotiable rule
RME	Organisations, identity, MFA, permissions, products, plans, subscriptions, licences, audit, RME 0.3 configuration, notifications, updates, backups and support.	No product reimplements shared controls or stores provider configuration outside the governed schema without an approved architecture decision.
RIA	Models, agents, knowledge, tools, memory, evaluation, provenance, budgets, approvals and kill switches.	AI never receives authority merely because a model can generate an answer.
Rihuum OS	Unified navigation and product experience across business and industry suites.	Client editions are configuration and entitlement, not uncontrolled source forks.
Sentinel AI	Security authorisation, posture, detection, evidence, response and 40 licensable defensive modules.	Scope Guardian and emergency stop precede every operation.
RAHIS	Hotel operating platform and hospitality product family.	Hotel facts and ledgers remain authoritative in RAHIS; security bridge is non-authoritative.

3. Customer and product journeys

Journey stage	Digital experience	Shared system record
Discover	Search-led expert content, sector pages, demonstrations, webinars and Academy programmes.	Campaign, consent, source and content evidence.
Evaluate	Use cases, capability/maturity labels, architecture, security, business case and pilot scope.	Opportunity, requirements, risk and approval records.
Buy	Proposal, contract, product edition, module entitlements, implementation and support level.	Customer, subscription, licence, billing reference and signed scope.
Onboard	Identity, MFA, organisation, property/site, assets, roles, data migration, connectors and training.	Tenant, product, user, asset, mapping and acceptance records.
Operate	Dashboards, workflows, AI assistance, security posture, support and service status.	Product systems of record with shared audit/correlation.
Renew/expand	Value report, roadmap, new modules, properties, users, training and managed services.	Usage, outcomes, support, risk, margin and renewal decisions.

4. Sentinel AI ecosystem integration

Every Rihuum product registers with Sentinel AI through the shared product registry. Registration defines product identity, security profile, integration capability, data classification, permitted event types, collector/provider requirements and module entitlement. It does not grant access to operational data or actions.

- Corporate websites: safe public-web, domain, TLS, email and availability posture.
- Rihuum products: secure-development, dependency, secrets, API, identity and release assurance.
- Rihuum infrastructure: network, endpoint, backup, cloud, SaaS, smart-security and continuity modules after commissioning.
- RAHIS: property-scoped Hospitality Cyber Defence, incidents, controls, backup and integration health events.
- Academy: isolated cyber range and authorised lab subscriptions.
- Managed services: analyst workspaces, MDR queues, SLAs, customer-specific response authority and evidence.

5. RAHIS integration model

Boundary	Design
Source of truth	RAHIS core remains authoritative for hotel operations.
Transport	Signed, idempotent, outbound security-event outbox and reconciliation inbox.
Property scope	Server-mapped tenant and property reference.
Data minimisation	No raw biometrics, card data, passwords, tokens or provider secrets.
Response authority	Sentinel entitlement/security responses cannot change hotel ledgers or physical access.
Local systems	Hotel-local outbound bridge for private devices and resilient offline queue.

6. Identity, licensing and tenant isolation

- One user identity may receive explicit roles in multiple authorised organisations, but every request resolves active organisation context server-side.
- Products, editions, modules, connectors, properties, assets and support level are separately entitlable.
- Tenant isolation is tested positively and negatively at route, service, query, file, queue, connector and AI retrieval layers.
- Platform administration requires MFA and audited privilege; break-glass access is time-limited and reviewed.
- No frontend flag, hidden menu or client-supplied tenant ID is an authorisation control.

7. Data, integration and event architecture

Component	Required behaviour
Credential vault	Encrypted values or aliases only; secrets excluded from browser, logs and ordinary records.
Adapter registry	Capabilities, environment, scopes, version, owner, health and revocation.
Outbox/inbox	Transactional write, signed delivery, retries, deduplication, raw-evidence control and reconciliation.
Mappings	Tenant/property/provider-scoped identifiers and status.
Analytics	Defined metrics, source lineage, calculation version, quality and uncertainty.
AI context	Role-filtered retrieval, minimisation, provenance, evaluation and kill switches.

8. Deployment topology and migration

Stage	Digital ecosystem placement	Trigger
Current Sites/D1	OpenAI Sites application delivery and D1 controlled application data; Namecheap registrar, authoritative DNS and domain email.	Continue while security, reliability, data, workload and commercial constraints are satisfied.

Stage	Digital ecosystem placement	Trigger
Bounded shared hosting / staging	Low-risk PHP/MySQL pilots and the Sentinel v0.2.0-alpha Namecheap-compatible staging candidate only.	Plan limits, isolation, clean install, backup/restore, security and performance must be evidenced.
VPS / hybrid	Workers, queues, managed data/object storage and observability, plus customer/hotel outbound collectors where needed.	Queue delay, capacity, private-device, offline-resilience, isolation or operational-control trigger.
Regional cloud / SaaS	Regional multi-tenancy, autoscaling, HA/DR, formal SRE and data-residency controls.	Sustained multi-country scale, approved SLOs, compliance and commercial capacity.

9. Search, content, analytics and trust

- Original expert-reviewed content mapped to buyer questions, sector problems, product evidence and conversion paths.
- Clear maturity labels and no unsupported “fully integrated”, “guaranteed”, certification or universal-tracking claims.
- GA4 measurement ID G-CLFV1L0KVJ is confirmed for rihuum.tech only. GA4 for rihuum.com and rihuum.net, GTM, Search Console values, AdSense publisher/seller data and Maps API/Place ID remain manual activation inputs subject to approved accounts, consent, privacy and production testing.
- XML sitemaps, robots, structured data, Open Graph, accessibility and performance are release-controlled.
- Security advisories, status, incident communications and responsible disclosure have designated owners.

10. Operating governance

Forum	Decision responsibility
Board/Executive	Strategy, capital, legal/risk appetite, major partnerships and production authority.
Product and Technology Council	Architecture, module priority, AI governance, standards and lifecycle.
Security and Data Governance	Authorised-use policy, threat models, privacy, incidents, evidence and assurance.
Delivery Office	Requirements, implementation, test gates, migration, training, UAT and hypercare.
Commercial Office	Pricing, contracts, licensing, sales claims, customer success and renewals.
Operations and Support	Hosting, monitoring, backups, releases, support, status and continuity.
Digital Hub Academy	Curriculum, labs, instructors, learner safety, assessment and certificates.

11. Phased implementation

1. Ratify domain and product ownership, legal facts, release authorities and the controlled architecture.
2. Operate RME 0.3 Configuration Centre for typed manual inputs, protected secrets, evidence and feature activation.
3. Maintain the Sites/D1 ecosystem foundation and commission Sentinel v0.2.0-alpha only in an approved staging environment.
4. Commission the RAHIS v8.3 candidate: v8.1 core, v8.2 Paystack test adapter and disabled v8.2 Sentinel overlay.
5. Register and test restricted collectors, OTA/payment/hardware providers and approved external adapters.
6. Commercialise editions, Academy programmes and managed services only after applicable acceptance and support gates pass.
7. Migrate workload components as measured capacity and reliability triggers require.

12. Controlled status

This architecture is the controlled release direction; it is not evidence that all public identifiers, provider connectors, live payments, analytics/search/advertising accounts, collectors, hardware or managed security operations are commissioned. Every surface requires registered assets, credentials, contracts, tests, privacy/security review, approval, monitoring and rollback evidence.

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13. Current controlled release matrix

Release truth: Version numbers identify controlled product components; they do not by themselves prove provider commissioning, customer acceptance or general availability.

Component	Controlled baseline	Current boundary
Digital Ecosystem	OpenAI Sites application delivery + D1 controlled data	Namecheap remains DNS/email; deployment evidence is release-controlled.
RME	0.3 Configuration Centre	Manual public configuration and activation evidence; secrets stay server-side.
Rihuum OS	RME-powered operating experience	Not a replacement desktop/mobile operating system.
RAHIS core	v8.1 operating core	Controlled operating workflows; provider and hotel acceptance remain distinct.
RAHIS payments	v8.2 Paystack test/sandbox adapter	No live processing until production account, credentials, webhook, settlement and approval tests pass.
RAHIS security	v8.2 Sentinel overlay	Disabled-by-default, signed, property-scoped and non-authoritative.
RAHIS consolidated	v8.3.0 integration candidate	Product/BOM consolidation; not a claim that all components are live.
Sentinel AI	v0.2.0-alpha PHP/MySQL package	Engineering alpha and staging candidate; production gates remain open.

14. RME 0.3 Configuration Centre

- Provides typed manual fields for public IDs, provider references, canonical URLs, business facts, feature state and activation evidence.
- Stores no secret in the browser, source repository, public document or ordinary audit payload; protected credentials use server-side encrypted configuration or an approved vault.
- Separates development, test/sandbox, staging and production values, owners and approval states.
- Requires source, classification, verification, effective date, test result, monitor, rotation and rollback/deactivation record.
- Unknown values remain visibly unconfigured; placeholders can never silently become production values.
- Supports future adapters through versioned schemas rather than hard-coded provider logic.

15. External configuration and activation register

Configuration family	Confirmed now	Manual input / activation gate
Analytics	GA4 G-CLFV1L0KVJ for rihuum.tech	GA4 for .com/.net; GTM; consent and production validation.
Search	Domain ownership/DNS capability	Search Console, Bing/Yandex where adopted, sitemap submission and index verification.

Configuration family	Confirmed now	Manual input / activation gate
Advertising	No production activation claimed	Approved AdSense publisher ID, seller/ads.txt data, consent, policy and content eligibility.
Maps/location	Registered locality: Abuja, Nigeria	Exact public street address, Place ID, API key, hours, pin and publication approval.
Payments	RAHIS Paystack test/sandbox component	Registered production merchant, public key, protected secret, webhook, settlement/refund/dispute UAT and finance approval.
OTA/CRS	Manual connector architecture	Contracts, property/provider IDs, credentials, mappings, certification, retry and reconciliation.
Hotel hardware	Local outbound bridge architecture	Approved device inventory, network/site authority, drivers, local credentials, privacy/safety and hotel UAT.
Sentinel/providers	v0.2.0-alpha staging package	Staging database/host, approved collectors/providers, scope, keys, restore, security and customer acceptance.

16. Verified company and legal data

- Legal entity: Rihuum Intercontinental Limited; RC 1476119; incorporated 6 March 2018.
- Registered-office locality supplied by the company: Abuja, Nigeria.
- Domains: rihuum.com, rihuum.tech and rihuum.net.
- Phones: 09162102777, 08082407830 and 07031321663.
- Current general addresses: info/admin on each Rihuum domain plus rihuumconsult@gmail.com for continuity.
- Finance segregation: finance@rihuum.com issues, payment@rihuum.com records and account@rihuum.com separately approves.
- Rihuum Technology and Digital Hub is confirmed as CAC-registered; its exact CAC number and legal form remain unverified.
- The precise street/public correspondence address and Google Maps Place ID remain unverified and must not be inferred from Abuja alone.

17. Completion status and open gates

Controlled completion boundary: the ecosystem architecture, RME 0.3 manual-configuration model, current Sites/D1 application foundation, RAHIS component candidates and Sentinel package are established. Live OTA, production payments, hardware, third-party APIs, Sentinel operations, customer UAT, penetration/performance testing, restore rehearsals, exact legal identifiers and production sign-off remain open where evidence is absent.

1. Register the asset or provider and its accountable owner.
2. Enter environment-specific public values and protected credentials through the approved configuration path.
3. Complete contract, lawful-processing, security, mapping, sandbox/UAT, reconciliation and rollback checks.
4. Approve activation through the designated product, security/privacy, finance and operations roles.
5. Record the deployment, smoke test, monitoring result, customer acceptance and final release state.

18. Future-ready scale and migration path

Stage	Placement	Evidence-based trigger
Current	Sites/D1 public and controlled application runtime; Namecheap DNS/email	Continue while security, reliability, data and workload constraints remain satisfied.
Bounded shared hosting	Low-risk PHP/MySQL pilots or Sentinel staging candidate	Only after plan limits, backup, restore, isolation and security are verified.
VPS/managed services	Workers, queues, cache, managed database, object storage and observability	Queue delay, concurrency, integration volume, isolation or operational-control threshold.

Stage	Placement	Evidence-based trigger
Hybrid/edge	Central governance plus customer/hotel outbound collectors	Private-device integration, offline resilience, low-latency or data-local processing need.
Regional cloud/SaaS	Multi-region tenancy, autoscaling, HA/DR, formal SRE and data residency	Sustained multi-country demand, approved SLOs, compliance and commercial capacity.

Architectural rule: migrate components only when measured triggers justify the move. Preserve versioned contracts, exportable data, migrations, release evidence and rollback so hosting evolution never requires rebuilding the entire Rihuum ecosystem.