

Deployment And Operational Overview

Powering Businesses. Simplifying Growth.

VYNTRA OS System IP Package

Generated: 2026-05-20 09:51:09 UTC

Legal-safe evidence packet. Secrets, API keys, provider credentials, passwords, tokens, and environment values are intentionally excluded.

DEPLOYMENT_NOTES.md

Deployment Notes

Generated by the Release Intelligence Agent on 2026-05-18 15:27:54 UTC. Secrets and sensitive implementation details are intentionally excluded.

Deployment Readiness

- | Check | Expectation |
- | --- | --- |
- | Startup validation | `python -m deployment.startup validate` should pass. |
- | Health endpoint | `/healthz` should return healthy or degraded with known reason. |
- | Readiness endpoint | `/readiness` should pass database, backup, initialization, and environment checks. |
- | Database | PostgreSQL should be used in production; SQLite remains a development fallback. |
- | Generated docs | Commit only intended generated governance records and avoid local cache/backup/database artifacts. |

Rollback Guidance

- Confirm database backup before deployment.
- Keep Render environment variables stable.
- Run `python -m deployment.startup validate` before release where possible.
- If readiness fails, inspect `/readiness`, migration status, and background task failures.
- If a governance agent fails, inspect `/admin/agents` and `agent\_failures`; generated files should have archived backups.

Post-Deploy Verification

- Open the logo splash page and welcome flow.
- Verify login, admin dashboard, shop registry, app billing, and governance dashboard.
- Trigger a documentation refresh only if needed; hash/cooldown controls prevent regeneration loops.

Migration Notes

- Governance tables are additive and guarded by compatibility checks.
- Existing `release\_history` schemas are extended without assuming a fresh table.
- PostgreSQL compatibility depends on the database adapter and startup migration checks.
- SQLite development fallback should be checked after table additions.

Upgrade Notes

- Deploy code and templates together with generated docs only after review.
- Keep environment variables unchanged unless the release explicitly requires updates.
- Confirm app usage payment exemption behavior for shops that should not pay.
- Confirm governance agent pages are accessible only to the server owner.

Rollback Conditions

- Roll back if readiness fails because of database connectivity, migration failure, missing runtime files, or startup initialization failure.
- Roll back if login/admin/shop workflows fail after deployment.
- Roll back or disable background workers if agent or backup tasks cause unexpected startup pressure.

Enterprise Completeness Appendix

Record Scope

This record is maintained by the Release Intelligence Agent. Its scope is: deployment readiness, migration notes, upgrade notes, rollback guidance, and post-deploy checks

Generated Outputs Covered

Output
'DEPLOYMENT_NOTES.md'

Completion Checklist

Requirement	Status
Professional markdown structure	Included
Evidence-oriented summaries	Included
Safety boundaries	Included
Operational review notes	Included
Generated backup before overwrite	Handled by agent writer
No secrets or credentials	Required by generator policy
Solo-founder maintainability	Prioritized

Maintenance Rule

- Regenerate this record after feature, route, database, deployment, branding, payment, security, or governance changes.
- Review the generated result before using it externally.
- Commit the record with release milestones when it is part of release evidence.
- Keep archived versions as historical evidence, not as the primary current source.

Safety Boundary

- Secrets, API keys, provider credentials, passwords, customer data, and environment variable values are never exported.
- Generated files are backed up before overwrite.
- Hash comparison and cooldowns reduce unnecessary regeneration.
- Heavy analysis runs through explicit agent execution or background queues, not normal request rendering.

docs/DEPLOYMENT_GOVERNANCE.md

Deployment Governance Report

Generated by the Deployment Governance Agent on 2026-05-18 15:27:55 UTC. Secrets and sensitive implementation details are intentionally excluded.

Executive Summary

This report tracks deployment integrity, Render compatibility, runtime configuration files, rollback readiness, and environment consistency without exporting environment variable values.

Runtime Files

File	Status
'render.yaml'	present
'Procfile'	present
'runtime.txt'	present
'requirements.txt'	present
'.env.example'	present
'version.txt'	present

Deployment Readiness Matrix

Check	Status
Render config	Ready
Start command	Ready
Pre-deploy command	Ready
Database URL reference	Referenced safely
Runtime files	6/6 present

Render Compatibility

- Render config present: True
- Start command configured: True
- Pre-deploy command configured: True

- DATABASE_URL referenced without value exposure: True

Environment Governance

- Production should use PostgreSQL via `DATABASE\_URL`; this document records only whether a reference exists.
- Local development may use SQLite fallback.
- Secret values must remain in Render/environment configuration and never in generated documentation.
- Deployment-specific directories should be validated through startup checks.

Rollback Readiness

- Confirm a recent database backup before production deployment.
- Keep the previous successful commit/release available.
- If readiness fails after deployment, inspect `/readiness`, migration status, backup state, and `agent\_failures`.
- Generated docs have timestamped backups under `docs/archive/agents/`.

Deployment Audit Procedure

- Run `python -m deployment.startup validate` before deployment.
- Run `python -m deployment.startup release` during release workflows where configured.
- Confirm `/healthz` and `/readiness` after startup.
- Confirm login, admin dashboard, shop registry, app billing, and governance dashboard.

Safety Notes

- Environment variable values are never exported into governance docs.
- Deployment validation should remain non-blocking for normal request lifecycle.

Enterprise Completeness Appendix

Record Scope

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Generated Outputs Covered

Output
`docs/DEPLOYMENT\_GOVERNANCE.md`
`docs/deployment\_audit.json`

Completion Checklist

Requirement	Status
Professional markdown structure	Included
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Safety boundaries	Included
Operational review notes	Included
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docs/OPERATIONAL_RECORD.md

Autonomous Documentation Operational Record

Orchestration Scope

- Ordered agents: architecture_intelligence, api_documentation, innovation_ip, founder_ownership, branding_governance, release_intelligence, deployment_governance, database_intelligence, operational_memory, security_governance, investor_enterprise_summary
- Registered agents: 12
- Recent runs retained in snapshot: 20

Execution Results

```
| Agent | Status | Reason | Metrics |
| --- | --- | --- | --- |
| `architecture_intelligence` | completed | | { "audit_hash": "0259f78735f6d169e9cb02ae29e189cab75508f451b5309133b65a008822759f",
"auth_distribution": [ [ "admin", 67 ], [ "authenticated", 39 ], [ "public", 3
], [ "server_owner", 44 ], [ "unknown", 23 ] ], "blueprints": [ { "name":
"agents_bp", "prefix": "", "registered": true, "source": "app.py" }, { "name": "auth_bp",
"prefix": "", |
| `api_documentation` | completed | | { "audit_hash": "1ceefb5edca5e0d3527fedbeaf06b3182eeadc16818c7ee2ca9df7ea654cda2c",
"change_hash": "1ceefb5edca5e0d3527fedbeaf06b3182eeadc16818c7ee2ca9df7ea654cda2c", "endpoint_count": 176, "hash":
"1ceefb5edca5e0d3527fedbeaf06b3182eeadc16818c7ee2ca9df7ea654cda2c", "openapi_path": "docs/api/openapi.json", "snapshot": {
"components": { "securitySchemes": { "csrfToken": { "in": "header", "name": "X-CSRFToken",
"type": "apiKey" }, |
| `innovation_ip` | completed | | { "audit_hash": "89ab27e4248939140cfd72581bc0ea85d940903b895b391008b5877e9d16f67",
"change_hash": "89ab27e4248939140cfd72581bc0ea85d940903b895b391008b5877e9d16f67", "hash":
"89ab27e4248939140cfd72581bc0ea85d940903b895b391008b5877e9d16f67", "innovation_count": 12, "module_count": 77, "route_count":
176, "snapshot_hash": "89ab27e4248939140cfd72581bc0ea85d940903b895b391008b5877e9d16f67", "table_count": 201 } |
| `founder_ownership` | completed | | { "audit_hash": "0a39f868514b95331be3bfeca1f61c15feeb9be876d54ddffe0b418e3a7d8882",
"change_hash": "0a39f868514b95331be3bfeca1f61c15feeb9be876d54ddffe0b418e3a7d8882", "commits_listed": 8, "hash":
"0a39f868514b95331be3bfeca1f61c15feeb9be876d54ddffe0b418e3a7d8882", "snapshot_hash":
"0a39f868514b95331be3bfeca1f61c15feeb9be876d54ddffe0b418e3a7d8882" } |
| `branding_governance` | completed | | { "asset_count": 8, "assets": [ { "path": "static/app-icon-192.png",
"size_bytes": 7717, "type": "png" }, { "path": "static/app-icon-512.png", "size_bytes": 25172, "type":
"png" }, { "path": "static/app-icon.svg", "size_bytes": 2374, "type": "svg" }, { "path":
"static/bevian-theme.css", "size_bytes": 29614, "type": "css" }, { "path": "static/manifest.webmanifest",
"size_byt |
| `release_intelligence` | completed | | { "audit_hash": "8a2aa4ac6773251df7e0f553104e941c7a114f5697eaa2e119c0f2afb7a11912",
"change_hash": "8a2aa4ac6773251df7e0f553104e941c7a114f5697eaa2e119c0f2afb7a11912", "changed_files_listed": 80, "commit_count": 8,
"hash": "8a2aa4ac6773251df7e0f553104e941c7a114f5697eaa2e119c0f2afb7a11912", "snapshot_hash":
"8a2aa4ac6773251df7e0f553104e941c7a114f5697eaa2e119c0f2afb7a11912", "version": "unversioned" } |
| `deployment_governance` | completed | | { "audit": { "database_url_referenced": true, "has_predeploy": true,
"has_start_command": true, "render_config_present": true, "runtime_files": [ { "exists": true, "path":
"render.yaml" }, { "exists": true, "path": "Procfile" }, { "exists": true,
"path": "runtime.txt" }, { "exists": true, "path": "requirements.txt" }, { "exists":
true, "path" |
| `database_intelligence` | completed | | { "audit_hash": "d5689e0c42b57fc0ab466b0e7d2d5c64a846bf97a6e097350ff1e42a2de528ab",
"change_hash": "d5689e0c42b57fc0ab466b0e7d2d5c64a846bf97a6e097350ff1e42a2de528ab", "hash":
"d5689e0c42b57fc0ab466b0e7d2d5c64a846bf97a6e097350ff1e42a2de528ab", "snapshot_hash":
"d5689e0c42b57fc0ab466b0e7d2d5c64a846bf97a6e097350ff1e42a2de528ab", "table_count": 201, "tables": { "admin_audit_logs": [
"init_db.py", "modules/security/audit.py" ], "admin_logins": [ "migrate_admi |
| `operational_memory` | completed | | { "audit_hash": "1d979a199aeb3e25db4910a9e948ea36c480fa55b7e3a7838c604349b2f65706",
"change_hash": "1d979a199aeb3e25db4910a9e948ea36c480fa55b7e3a7838c604349b2f65706", "hash":
"1d979a199aeb3e25db4910a9e948ea36c480fa55b7e3a7838c604349b2f65706", "journal_entries": 2, "snapshot_hash":
"1d979a199aeb3e25db4910a9e948ea36c480fa55b7e3a7838c604349b2f65706" } |
| `security_governance` | completed | | { "audit_hash": "935d2afb1b0235882780a6f05ad7802aea9bbcf331f4db1392684098840b0f9f",
"change_hash": "935d2afb1b0235882780a6f05ad7802aea9bbcf331f4db1392684098840b0f9f", "hash":
"935d2afb1b0235882780a6f05ad7802aea9bbcf331f4db1392684098840b0f9f", "routes_mapped": 176, "snapshot_hash":
"935d2afb1b0235882780a6f05ad7802aea9bbcf331f4db1392684098840b0f9f" } |
| `investor_enterprise_summary` | completed | | { "audit_hash": "84d78106626c04631731188493155e751a01f768dba850e960b45182a8be9188",
"capabilities": 7, "change_hash": "84d78106626c04631731188493155e751a01f768dba850e960b45182a8be9188", "hash":
"84d78106626c04631731188493155e751a01f768dba850e960b45182a8be9188", "modules": 77, "routes": 176, "snapshot_hash":
"84d78106626c04631731188493155e751a01f768dba850e960b45182a8be9188" } |
```

Output And Backup Register

| Agent | Output | Changed | Backup |

```
| -- | -- | -- | -- |
| architecture_intelligence | `docs/architecture/ARCHITECTURE_REPORT.md` | yes |
`docs/archive/agents/architecture_intelligence/2026-05-18/ARCHITECTURE_REPORT.md.20260518_152747.bak` |
| architecture_intelligence | `docs/architecture/module_dependencies.mmd` | no | - |
| architecture_intelligence | `docs/architecture/route_topology.mmd` | no | - |
| architecture_intelligence | `docs/architecture/system_topology.puml` | no | - |
| architecture_intelligence | `docs/architecture/topology.json` | no | - |
| api_documentation | `docs/api/API_REFERENCE.md` | yes |
`docs/archive/agents/api_documentation/2026-05-18/API_REFERENCE.md.20260518_152749.bak` |
| api_documentation | `docs/api/openapi.json` | no | - |
| api_documentation | `docs/api/swagger.yaml` | no | - |
| innovation_ip | `VYNTRA_INNOVATION_SUMMARY.md` | yes |
`docs/archive/agents/innovation_ip/2026-05-18/VYNTRA_INNOVATION_SUMMARY.md.20260518_152752.bak` |
| innovation_ip | `SYSTEM_ORIGINALITY_REPORT.md` | yes |
`docs/archive/agents/innovation_ip/2026-05-18/SYSTEM_ORIGINALITY_REPORT.md.20260518_152752.bak` |
| innovation_ip | `IP_CHANGE_HISTORY.md` | yes | `docs/archive/agents/innovation_ip/2026-05-18/IP_CHANGE_HISTORY.md.20260518_152752.bak`
|
| founder_ownership | `FOUNDER_OWNERSHIP.md` | yes |
`docs/archive/agents/founder_ownership/2026-05-18/FOUNDER_OWNERSHIP.md.20260518_152753.bak` |
| founder_ownership | `DEVELOPMENT_HISTORY.md` | yes |
`docs/archive/agents/founder_ownership/2026-05-18/DEVELOPMENT_HISTORY.md.20260518_152753.bak` |
| founder_ownership | `CREATOR_TIMELINE.md` | yes |
`docs/archive/agents/founder_ownership/2026-05-18/CREATOR_TIMELINE.md.20260518_152753.bak` |
| branding_governance | `branding/BRAND_GUIDELINES.md` | yes |
`docs/archive/agents/branding_governance/2026-05-18/BRAND_GUIDELINES.md.20260518_152754.bak` |
| branding_governance | `branding/asset_inventory.json` | no | - |
| release_intelligence | `CHANGELOG.md` | yes | `docs/archive/agents/release_intelligence/2026-05-18/CHANGELOG.md.20260518_152754.bak` |
| release_intelligence | `RELEASE_HISTORY.md` | yes |
`docs/archive/agents/release_intelligence/2026-05-18/RELEASE_HISTORY.md.20260518_152754.bak` |
| release_intelligence | `DEPLOYMENT_NOTES.md` | yes |
`docs/archive/agents/release_intelligence/2026-05-18/DEPLOYMENT_NOTES.md.20260518_152754.bak` |
| deployment_governance | `docs/DEPLOYMENT_GOVERNANCE.md` | yes |
`docs/archive/agents/deployment_governance/2026-05-18/DEPLOYMENT_GOVERNANCE.md.20260518_152755.bak` |
| deployment_governance | `docs/deployment_audit.json` | no | - |
| database_intelligence | `docs/database/DATABASE_INTELLIGENCE.md` | yes |
`docs/archive/agents/database_intelligence/2026-05-18/DATABASE_INTELLIGENCE.md.20260518_152755.bak` |
| database_intelligence | `docs/database/erd.mmd` | no | - |
| database_intelligence | `docs/database/schema.json` | no | - |
| operational_memory | `docs/operations/OPERATIONAL_MEMORY.md` | yes |
`docs/archive/agents/operational_memory/2026-05-18/OPERATIONAL_MEMORY.md.20260518_152756.bak` |
| operational_memory | `docs/operations/ENGINEERING_JOURNAL.md` | yes |
`docs/archive/agents/operational_memory/2026-05-18/ENGINEERING_JOURNAL.md.20260518_152756.bak` |
| security_governance | `docs/security/SECURITY_POSTURE.md` | yes |
`docs/archive/agents/security_governance/2026-05-18/SECURITY_POSTURE.md.20260518_152757.bak` |
| security_governance | `docs/security/route_sensitivity.json` | no | - |
| investor_enterprise_summary | `INVESTOR_OVERVIEW.md` | yes |
`docs/archive/agents/investor_enterprise_summary/2026-05-18/INVESTOR_OVERVIEW.md.20260518_152800.bak` |
| investor_enterprise_summary | `ENTERPRISE_CAPABILITIES.md` | yes |
`docs/archive/agents/investor_enterprise_summary/2026-05-18/ENTERPRISE_CAPABILITIES.md.20260518_152800.bak` |
| investor_enterprise_summary | `TECHNICAL_EXECUTIVE_SUMMARY.md` | yes |
`docs/archive/agents/investor_enterprise_summary/2026-05-18/TECHNICAL_EXECUTIVE_SUMMARY.md.20260518_152800.bak` |
```

Operating Rules

- Use `admin/agents` for server-owner monitoring.
- Queue broad refreshes through the orchestrator; queue single agents for targeted updates.
- Review `agent\_failures` after any failed generation.
- Keep generated evidence files with releases when they are part of the release record.
- Do not commit local database, backup, cache, or environment artifacts unless intentionally required.

docs/operations/OPERATIONAL_MEMORY.md

Operational Memory

Generated by the Operational Memory Agent on 2026-05-18 15:27:56 UTC. Secrets and sensitive implementation details are intentionally excluded.

Purpose

Operational Memory keeps long-term engineering and deployment knowledge visible for a solo-founder system. It records how the platform should be operated, where evidence lives, and what to check when failures recur.

Current Operational Record

- Documentation and governance agents are isolated from request-heavy workflows.
- Agent runs are recorded in `agent\_runs`; failures are recorded in `agent\_failures`.
- Generated file backups are archived before overwrites.
- Readiness, health checks, and deployment governance reports support release decisions.

Operational Evidence Map

Area	Record
Incident memory	`docs/operations/OPERATIONAL\_MEMORY.md` records operational posture and recurring concerns.
Engineering journal	`docs/operations/ENGINEERING\_JOURNAL.md` records maintainability and release notes.
Agent execution	`agent\_runs` stores status, metrics, duration, and outputs.
Failure recovery	`agent\_failures` stores failures and `recovered\_at` evidence after successful reruns.
Deployment evidence	`docs/DEPLOYMENT\_GOVERNANCE.md` and readiness endpoints support operations review.

Recurring Failure Watchlist

- Render connection closures: inspect startup logs, health/readiness, database connectivity, and long-running startup tasks.
- Documentation loops: inspect agent hash state, cooldowns, archive growth, and request-lifecycle refresh triggers.
- Payment/billing confusion: inspect shop app billing exemption state and dashboard display.
- Template readability: run template compile and white-surface scans before deployment.
- Generated docs too thin: regenerate affected agents after generator changes and review output length/content.

Recovery Playbook

- Check `/healthz` and `/readiness` first.
- Review recent `agent\_runs` and `agent\_failures` in `/admin/agents`.
- Confirm backups before destructive cleanup or deployment rollback.
- Re-run only the failed agent when possible; run the full orchestrator for broad documentation refresh.

Recent Repository Signals

Commit
4f1d33b 2026-05-16 vyntra os system
fce9a9c 2026-05-16 vyntra os system
443c221 2026-05-16 vyntra os system
f46fc20 2026-05-16 vyntra os system
dc1cb7a 2026-05-16 vyntra os system
677a6f0 2026-05-16 VYNTRA OS SYSTEM
6108fd4 2026-05-16 vyntra os system
dbe230c 2026-05-16 vyntra os system

Enterprise Completeness Appendix

Record Scope

This record is maintained by the Operational Memory Agent. Its scope is: operational incidents, recurring failures, deployment history, stability improvements, and recovery playbooks

Generated Outputs Covered

Output
`docs/operations/OPERATIONAL\_MEMORY.md`
`docs/operations/ENGINEERING\_JOURNAL.md`

Completion Checklist

Requirement	Status
Professional markdown structure	Included
Evidence-oriented summaries	Included

Safety boundaries	Included
Operational review notes	Included
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No secrets or credentials	Required by generator policy
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docs/operations/ENGINEERING_JOURNAL.md

Engineering Journal

Generated by the Operational Memory Agent on 2026-05-18 15:27:56 UTC. Secrets and sensitive implementation details are intentionally excluded.

Engineering Principles

- Keep governance modular under `modules/agents/`.
- Preserve existing routes, blueprints, database compatibility, and Render deployment behavior.
- Prefer additive schemas and safe migrations over destructive rewrites.
- Keep heavy analysis in background/manual agent flows.

Current Architecture Decisions

Decision	Reason
Database-backed agent runs	Keeps auditability available across restarts.
Generated file backups	Protects records before overwrite.
Hash and cooldown controls	Prevents documentation regeneration loops.
Server-owner admin pages	Keeps governance visibility restricted to owner-level administration.
JSON exports plus markdown	Supports human review and future automation.

Incident Note Template

Field	What to record
Date/time	When the issue started and when it was resolved.
Affected area	Route, module, deployment, database, payment, billing, template, or agent.
Impact	What users or workflows were affected.
Root cause	Best known technical cause after investigation.
Fix	Code, config, data, or operational action taken.
Prevention	Test, alert, documentation, or workflow added to avoid recurrence.

Architecture Decision Record Template

Field	What to document
Decision	The technical choice made.
Context	Why the decision was needed.
Alternatives	Other options considered.
Tradeoff	What was gained and what risk remains.
Review trigger	When this decision should be revisited.

Maintenance Cadence

- Run full governance generation before major deployments.

- Review security and deployment governance after auth/payment/schema changes.
- Refresh branding records after logo, icon, splash, manifest, or theme changes.
- Refresh ownership and IP records after major product milestones.

Notes

- Keep generated records committed with release changes when they are part of the release evidence.
- Keep local backups, database files, and cache artifacts out of production commits unless explicitly intended.

Enterprise Completeness Appendix

Record Scope

This record is maintained by the Operational Memory Agent. Its scope is: engineering decisions, incident templates, ADR templates, and maintenance cadence

Generated Outputs Covered

Output
`docs/operations/ENGINEERING\_JOURNAL.md`

Completion Checklist

Requirement	Status
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CHANGELOG.md

Changelog

Generated by the Release Intelligence Agent on 2026-05-18 15:27:54 UTC. Secrets and sensitive implementation details are intentionally excluded.

Current Working Summary

Changed file
M DOCUMENTATION.md
M __pycache__/app.cpython-314.pyc
M __pycache__/init_db.cpython-314.pyc
M app.py
M database.db
M modules/__pycache__/persistence.cpython-314.pyc
M modules/admin/__pycache__/routes.cpython-314.pyc
M modules/admin/__pycache__/routes_fixed.cpython-314.pyc
M modules/admin/routes.py
M modules/auth/__pycache__/routes.cpython-314.pyc

| M modules/auth/routes.py |
| M modules/background_tasks/queue.py |
| M modules/backup/__pycache__/routes.cpython-314.pyc |
| M modules/branches/__pycache__/service.cpython-314.pyc |
| M modules/cashiers/__pycache__/routes.cpython-314.pyc |
| M modules/cloud/__pycache__/routes.cpython-314.pyc |
| M modules/dashboard/__pycache__/routes.cpython-314.pyc |
| M modules/dashboard/routes.py |
| M modules/inventory/__pycache__/routes.cpython-314.pyc |
| M modules/reports/__pycache__/routes.cpython-314.pyc |
| M modules/server/__pycache__/routes.cpython-314.pyc |
| M static/app-icon-192.png |
| M static/app-icon-512.png |
| M static/app-icon.svg |
| M static/bevian-theme.css |
| M static/manifest.webmanifest |
| M static/operational-experience.css |
| M static/style.css |
| M templates/add_products.html |
| M templates/admin.html |
| M templates/admin_app_billing.html |
| M templates/admin_plugins.html |
| M templates/admin_tutorial_videos.html |
| M templates/admin_updates.html |
| M templates/ai_dashboard.html |
| M templates/ai_insights.html |
| M templates/app_billing_pay.html |
| M templates/backup.html |
| M templates/branches.html |
| M templates/business_activity.html |

Release Impact Areas

Area	Review note
Database/schema	Review migrations, generated governance tables, billing exemption tables, and startup release validation.
Authentication/session	Confirm public pages, server-owner session, admin pages, cashier pages, and suspended-shop guards.
Payments/billing	Confirm app usage payment exemption behavior, provider settings, callback routes, and dashboard messaging.
Documentation/governance	Confirm generated records are expected, archived backups are intentional, and no secrets are present.
Branding/UI	Confirm logo splash, welcome flow, favicon/PWA assets, and readability changes across templates.
Deployment	Confirm Render commands, runtime files, `/healthz`, `/readiness`, and database connectivity.

Operator Checklist

- Run template compilation before deployment.
- Run `python check\_all\_systems.py`.
- Run `python -m deployment.startup validate`.
- Confirm `/healthz` and `/readiness` return healthy responses after bootstrap.
- Review generated docs for accidental local-only files before committing.

Release Policy

- Review schema, auth, payment, deployment, and route changes before production release.
- Keep rollback notes with every major deployment.

Enterprise Completeness Appendix

Record Scope

This record is maintained by the Release Intelligence Agent. Its scope is: working-tree changes, release impact areas, operator checklist, and release review policy

Generated Outputs Covered

Output
`CHANGELOG.md`
`RELEASE\_HISTORY.md`
`DEPLOYMENT\_NOTES.md`

Completion Checklist

- | Requirement | Status |
- | --- | --- |
- | Professional markdown structure | Included |
- | Evidence-oriented summaries | Included |
- | Safety boundaries | Included |
- | Operational review notes | Included |
- | Generated backup before overwrite | Handled by agent writer |
- | No secrets or credentials | Required by generator policy |
- | Solo-founder maintainability | Prioritized |

Maintenance Rule

- Regenerate this record after feature, route, database, deployment, branding, payment, security, or governance changes.
- Review the generated result before using it externally.
- Commit the record with release milestones when it is part of release evidence.
- Keep archived versions as historical evidence, not as the primary current source.

Safety Boundary

- Secrets, API keys, provider credentials, passwords, customer data, and environment variable values are never exported.
- Generated files are backed up before overwrite.
- Hash comparison and cooldowns reduce unnecessary regeneration.
- Heavy analysis runs through explicit agent execution or background queues, not normal request rendering.

RELEASE_HISTORY.md

Release History

Generated by the Release Intelligence Agent on 2026-05-18 15:27:54 UTC. Secrets and sensitive implementation details are intentionally excluded.

Release Snapshot

- | Field | Value |
- | --- | --- |
- | Current HEAD | 4f1d33b |
- | Latest commit | 4f1d33b 2026-05-16 vyntra os system |
- | Changed files listed | 80 |
- | Generated release docs | CHANGELOG.md, RELEASE_HISTORY.md, DEPLOYMENT_NOTES.md |

Recent Commits

- | Commit |
- | --- |
- | 4f1d33b 2026-05-16 vyntra os system |
- | fce9a9c 2026-05-16 vyntra os system |
- | 443c221 2026-05-16 vyntra os system |
- | f46fc20 2026-05-16 vyntra os system |
- | dc1cb7a 2026-05-16 vyntra os system |
- | 677a6f0 2026-05-16 VYNTRA OS SYSTEM |
- | 6108fd4 2026-05-16 vyntra os system |
- | dbe230c 2026-05-16 vyntra os system |

Current Release Narrative

This generated release record summarizes the current repository state and working tree. It is intended as a professional release-evidence companion, not a replacement for reviewed human release notes.

Governance Records Updated

- Architecture intelligence reports.
- API route documentation and OpenAPI exports.
- Database intelligence and ERD exports.
- Security posture and route sensitivity maps.
- Branding, ownership, innovation, operational memory, and investor summaries.

Semantic Version Summary

- Version source: local `version.txt` and Git history where available.
- Current generated version label: `unversioned` unless release metadata assigns a semantic version.
- Recommended release naming: `major.minor.patch` with a short release title and deployment date.

Change Classification

| Change type | Current review guidance |

| --- | --- |

| Breaking changes | Review route, schema, auth, payment, and deployment changes manually. |

| Schema changes | Confirm additive migrations and PostgreSQL/SQLite compatibility. |

| Security changes | Review auth hints, route sensitivity, CSRF, tenant scope, and callback behavior. |

| Performance changes | Review startup tasks, documentation generation, backup behavior, and high-volume routes. |

| Brand changes | Review PWA icons, splash page, favicon, and welcome flow. |

Enterprise Completeness Appendix

Record Scope

This record is maintained by the Release Intelligence Agent. Its scope is: release history, commit linkage, semantic summary, and change classification

Generated Outputs Covered

| Output |

| --- |

| `RELEASE\_HISTORY.md` |

Completion Checklist

| Requirement | Status |

| --- | --- |

| Professional markdown structure | Included |

| Evidence-oriented summaries | Included |

| Safety boundaries | Included |

| Operational review notes | Included |

| Generated backup before overwrite | Handled by agent writer |

| No secrets or credentials | Required by generator policy |

| Solo-founder maintainability | Prioritized |

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