

CashLine ERP

MVP Production WBS Plan

Work Breakdown Structure For Controlled Production MVP Delivery

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CashLine ERP MVP Production WBS Plan

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Prepared for: Project sponsor, project manager, technical lead, business analysis, QA, implementation, operations, and release governance

Project start date: Tuesday, 21 Apr 2026

Project finish date: Wednesday, 03 Jun 2026

Release path:

Development -> QA -> Staging/Pre-production -> Controlled Production MVP -> Stabilization -> Wider rollout

1. Executive Summary

This Work Breakdown Structure plan decomposes the CashLine ERP controlled production MVP into manageable work packages. It is designed to support planning, ownership, tracking, dependency management, testing, deployment, production readiness, backup/recovery, hypercare, and wider-rollout decision-making.

The WBS aligns with the MVP Production Project Charter and supports the 32-business-day critical path from Tuesday, 21 Apr 2026 to Wednesday, 03 Jun 2026.

2. WBS Ownership Summary

Role	Name	Primary WBS Responsibility
Project Sponsor	Khalid Gabr	Approval, scope authority, production go/no-go, wider-rollout decision
Project Manager	Mostafa El Shahawy	Project coordination, schedule, governance, risk, communication, release control
Technical Lead	Nour Elsiminy	Hosting, deployment, database, technical readiness, backup/recovery, support
Business Analysis	Doaa Sabry	Requirements validation, UAT, user journeys, business sign-off support
Technical team	Technical Support / Engineering	Build, configuration, bug fixing, performance, release execution
Implementation team	Customer Service / Enablement	Training, user onboarding, field support, hypercare assistance

3. WBS Level 1 Summary

WBS	Workstream	Objective
1.0	Project governance	Authorize, control, and communicate the MVP production project
2.0	Hosting and infrastructure	Prepare Cloudflare and Azure target hosting stack
3.0	Deployment pipeline	Prepare repeatable build, package, release, and approval flow
4.0	Database and data loading	Prepare migrations, seed data, test data, and production data rules
5.0	Testing and QA	Validate functional, API, UI, workflow, access, reporting, and desktop behavior
6.0	Staging/UAT	Rehearse production deployment and obtain business sign-off

WBS	Workstream	Objective
7.0	Production cutover	Deploy the controlled production MVP and activate approved users
8.0	Hypercare and stabilization	Monitor, support, triage, and stabilize production MVP usage
9.0	Wider rollout decision	Decide whether to expand beyond controlled MVP

4. Detailed WBS

4.1 WBS 1.0 Project Governance

WBS ID	Work Package	Description	Owner	Key Output
1.1	Charter approval	Approve project charter, roles, timeline, and release authority	Project Sponsor / Project Manager	Approved charter
1.2	Scope freeze	Confirm MVP scope, exclusions, and deferred items	Project Manager / Business Analysis	Frozen MVP scope
1.3	Governance cadence	Establish daily/weekly project review rhythm	Project Manager	Governance calendar
1.4	Risk and issue control	Track risks, blockers, decisions, and escalations	Project Manager	Risk and issue log
1.5	Change control	Route scope, timeline, cost, and readiness changes through approval	Project Manager	Change register

4.2 WBS 2.0 Hosting And Infrastructure

WBS ID	Work Package	Description	Owner	Key Output
2.1	Cloudflare setup	Prepare DNS, HTTPS, WAF, Pages, and static delivery path	Technical Lead	Cloudflare environment
2.2	Azure backend hosting	Prepare Azure App Service or Container Apps for backend APIs	Technical Lead	Backend runtime
2.3	Azure SQL setup	Prepare SQL database for staging and production	Technical Lead	SQL environments
2.4	Azure Blob Storage	Prepare document/export storage	Technical Lead	Storage containers
2.5	Monitoring setup	Configure Azure Monitor and Application Insights	Technical Lead	Monitoring dashboard
2.6	Budget alerts	Configure budget/cost alerts for MVP	Technical Lead / Project Manager	Cost guardrails

5. WBS 3.0 Deployment Pipeline

WBS ID	Work Package	Description	Owner	Key Output
3.1	Build preparation	Confirm frontend, backend, desktop, and database build steps	Technical Lead	Build checklist
3.2	Release package	Prepare deployable release package and archive structure	Technical Lead	Release package
3.3	Environment configuration	Separate dev, QA, staging, and production configuration	Technical Lead	Config baseline
3.4	Deployment approval gate	Define who approves staging and production deployment	Project Manager	Approval workflow
3.5	Rollback package	Preserve last-known-good package and rollback instructions	Technical Lead	Rollback pack

6. WBS 4.0 Database And Data Loading

WBS ID	Work Package	Description	Owner	Key Output
4.1	Migration baseline	Prepare and validate versioned database migrations	Technical Lead	Migration package
4.2	Reference data	Load production-safe lookup/reference data	Technical Lead	Reference data set
4.3	Test data pack	Prepare QA/staging test data only	QA / Business Analysis	Test data scripts
4.4	Production data rules	Define no-demo/no-UAT data controls	Project Manager / Technical Lead	Production data checklist
4.5	Backup before migration	Capture pre-release database backup	Technical Lead	Backup evidence

7. WBS 5.0 Testing And QA

WBS ID	Work Package	Description	Owner	Key Output
5.1	Functional UAT	Validate supplier, customer, operations, admin, and system owner journeys	Business Analysis / QA	UAT evidence
5.2	API testing	Validate request/response, errors, authorization, and workflow effects	Technical Lead / QA	API test evidence
5.3	Workflow testing	Validate state transitions and approval paths	QA	Workflow evidence
5.4	Role/access testing	Validate sidebar, permissions, backend access, and denied routes	QA / Technical Lead	Access matrix
5.5	UI/UX testing	Validate layout, language, buttons, desktop parity, and production cleanup	QA / Business Analysis	UI evidence
5.6	Reporting/export testing	Validate dashboard, reports, PDF, and Excel exports	QA	Reporting evidence
5.7	Negative testing	Validate invalid actions, blocked transitions, and unauthorized access	QA	Negative test record
5.8	Smoke testing	Validate critical production paths after deployment	QA / Technical Lead	Smoke test record

8. WBS 6.0 Staging/UAT

WBS ID	Work Package	Description	Owner	Key Output
6.1	Staging deployment	Deploy full package to staging/pre-production	Technical Lead	Staging deployment
6.2	Staging data load	Load approved test/reference data	Technical Lead / QA	Staging data state
6.3	Business walkthrough	Run business validation sessions	Business Analysis	Walkthrough notes
6.4	UAT sign-off	Capture formal business approval	Project Manager / Business Analysis	UAT sign-off
6.5	Production readiness gate	Confirm readiness before production cutover	Project Manager / Sponsor	Go/no-go record

9. WBS 7.0 Production Cutover

WBS ID	Work Package	Description	Owner	Key Output
7.1	Release freeze	Stop unapproved changes before cutover	Project Manager	Freeze notice
7.2	Pre-release backup	Capture production backup before deployment	Technical Lead	Backup evidence
7.3	Production deployment	Deploy backend, frontend, database migration, storage, and configuration	Technical Lead	Production release
7.4	Production smoke test	Validate login, roles, journeys, reports, and health checks	QA / Technical Lead	Smoke result
7.5	MVP user activation	Activate approved users only	Project Manager / Technical Lead	Activation log

10. WBS 8.0 Hypercare And Stabilization

WBS ID	Work Package	Description	Owner	Key Output
8.1	Hypercare monitoring	Monitor login, APIs, workflows, reports, notifications, and desktop	Technical Lead	Monitoring log
8.2	Issue triage	Classify, assign, and resolve production findings	Project Manager	Issue log
8.3	User support	Support approved users during MVP	Implementation team	Support record
8.4	Restore drill	Validate backup restore capability	Technical Lead / QA	Restore evidence
8.5	Stabilization report	Summarize defects, risks, actions, and readiness	Project Manager	Hypercare report

11. WBS 9.0 Wider Rollout Decision

WBS ID	Work Package	Description	Owner	Key Output
9.1	MVP results review	Review production usage, defects, support, performance, and business feedback	Project Manager / Sponsor	MVP review
9.2	Cost review	Compare actual hosting cost against estimate	Project Manager / Technical Lead	Cost review
9.3	Risk review	Confirm open risks before expansion	Project Manager	Risk update
9.4	Wider rollout recommendation	Recommend expand, hold, or remediate	Project Manager	Recommendation
9.5	Executive decision	Approve or defer wider rollout	Project Sponsor	Decision record

12. WBS And Critical Path Alignment

Critical Path Node	Related WBS	Planned Window
A - Charter approval	1.1	21 Apr 2026
B - Scope freeze	1.2	22 Apr 2026 - 23 Apr 2026
E/F - Pipeline and database readiness	3.0 / 4.0	26 Apr 2026 - 28 Apr 2026
H - QA regression	5.0	29 Apr 2026 - 05 May 2026
J - Staging deployment rehearsal	6.1	06 May 2026 - 07 May 2026
K - Staging UAT sign-off	6.3 / 6.4	10 May 2026 - 13 May 2026
L - Production readiness gate	6.5	14 May 2026

Critical Path Node	Related WBS	Planned Window
M/N/O - Cutover and smoke test	7.0	17 May 2026 - 19 May 2026
P - Hypercare	8.0	20 May 2026 - 02 Jun 2026
Q - Wider rollout decision	9.0	03 Jun 2026

13. WBS Completion Criteria

WBS	Completion Criteria
1.0	Charter, scope, governance, risks, and change control approved
2.0	Cloudflare, Azure, SQL, Blob, monitoring, and budget controls ready
3.0	Build, package, config, approval, and rollback path ready
4.0	Migrations, seed data, test data, production data rules, and backup evidence ready
5.0	Required tests completed and blocking findings resolved or formally accepted
6.0	Staging deployment and business UAT sign-off complete
7.0	Production deployed, smoke-tested, and approved MVP users activated
8.0	Hypercare completed with stabilization report and restore evidence
9.0	Wider rollout decision recorded

14. External Integration Uncertainty Work Package

ETA/e-invoicing, Fawry, and Paymob must be tracked as explicit go-live uncertainty paths within the WBS. They are not baseline active MVP work packages unless third-party credentials, merchant/account access, authority access, endpoint configuration, callback configuration, certification evidence, and owner sign-off become available.

They may be added to the controlled MVP at any time if the third parties activate access earlier than expected. If that happens, the work must be inserted into the WBS through change control and linked to testing, deployment, security, backup/rollback, monitoring, and release approval.

WBS Impact Area	ETA / e-invoicing	Fawry	Paymob
Scope control	Conditional activation path	Conditional activation path	Conditional activation path
Technical work	Credentials, endpoint, submission, exception handling	Merchant credentials, payment API, callbacks, reconciliation	Merchant credentials, payment API, callbacks, reconciliation
Testing work	Staging submission and exception testing	Payment-flow, callback, reconciliation, failure testing	Payment-flow, callback, reconciliation, failure testing
Release work	Finance/tax sign-off and production release approval	Payment owner sign-off and production release approval	Payment owner sign-off and production release approval
Risk control	Statutory reporting risk if activated too quickly	Payment/reconciliation risk if activated too quickly	Payment/reconciliation risk if activated too quickly

No ETA/e-invoicing, Fawry, or Paymob capability should be enabled directly in production without impact assessment, staging validation, security review, rollback plan, owner approval, and release evidence.

15. Final Recommendation

The WBS should be used as the operational control structure for the MVP production project. It should be reviewed in project governance meetings, linked to the CPM schedule, and used to track readiness by workstream until the wider-rollout decision is formally recorded.