# LCMS – Final Deployment Checklist

Use this checklist before every release or promotion from staging ➜ production. Tick off each item to ensure a smooth, secure, and fully-functional deployment.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## ✅ Backend

* [ ] Laravel API container/host is live and reachable.
* [ ] .env points to production database & cache servers.
* [ ] All migrations executed and DB seeded with minimal reference/test data.
* [ ] Role-based middleware (lawyer, supervisor, admin) tested with real accounts.
* [ ] File-upload paths (storage/app/...) secured & validated; symbolic links (storage:link) created.
* [ ] CORS policy only allows approved front-end domains.
* [ ] HTTPS enforced; HSTS, secure cookies on.
* [ ] Queue / scheduler workers running (notifications, exports, observers).

## ✅ Frontend

* [ ] React/Vite build completed (npm run build) – outputs hashed assets in public/build.
* [ ] Environment variables (VITE\_API\_URL, etc.) set for prod.
* [ ] All routes wrapped in ProtectedRoute guards.
* [ ] Sidebar and navigation render correctly per role.
* [ ] Error boundaries tested (network + render failures).
* [ ] Optional PWA manifest & service-worker build verified.

## ✅ Reports & Exports

* [ ] All export buttons (PDF, Excel, CSV) tested with real data.
* [ ] Summary and performance charts rendering accurately.
* [ ] DOMPDF & spreadsheet libraries working on server (fonts, temp paths).

## ✅ Authentication

* [ ] JWT/login flow confirmed; token storage uses httpOnly cookies or secure localStorage.
* [ ] Token refresh & expiry handling validated.
* [ ] Logout clears tokens & redirects to /login.

## ✅ File Uploads

* [ ] Evidence / advisory uploads accept only PDF, JPG, PNG.
* [ ] Max size limits enforced server-side & client-side.
* [ ] Uploaded files virus-scanned (if service available).

## ✅ UI & Functional Tests

* [ ] Case Entry validation rules fire (required, pattern, max-length).
* [ ] Timeline interactions (add progress, hearings) work on mobile + desktop.
* [ ] Supervisor Approval modals (execution / early closure) approve & reject as expected.
* [ ] Admin Audit Log filtering & export operate.
* [ ] Advisory dashboard tabs & forms load and persist data.

## ✅ Admin Readiness

* [ ] User Management: create, edit, deactivate flows tested.
* [ ] Role changes propagate permissions immediately (re-login if required).
* [ ] System Settings (court names, branches) editable & saved.

## ✅ Documentation & Training

* [ ] Updated User Manual (PDF) stored in /docs & shared.
* [ ] Training slide deck reviewed with stakeholders.
* [ ] Internal API documentation published (Swagger / Postman) if exposed.

## ✅ Hosting & Ops

* [ ] Staging & production environments deployed and pass smoke tests.
* [ ] All .env secrets injected via CI/CD or hosting dashboard – never committed.
* [ ] Application, queue & scheduler logs monitored (e.g., Laravel Telescope / Sentry).
* [ ] Automated nightly backups enabled for DB & file storage; restore tested.

## ✅ Launch

* [ ] Live demo completed with key stakeholders.
* [ ] Pilot group test results reviewed; critical issues resolved.
* [ ] Feedback loop & support channel established (email / ticketing).
* [ ] Final go-live sign-off received and deployment window scheduled.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Remember:** After go-live, schedule a post-deployment review to capture lessons learned and update this checklist accordingly.