

FLUX WIKI

STARTER KIT — COMMON MODIFICATIONS

RECIPES FOR THE CHANGES OPERATORS ASK FOR — EACH WITH WHAT TO CHANGE, WHERE,
THE INVARIANT TO RESPECT, AND AN ACCEPTANCE TEST.

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FLUX DOCUMENTATION SYSTEM Layer 11 – STARTER KIT | starter-kit-modifications
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STARTER KIT – COMMON MODIFICATIONS

Each recipe: **WHAT** → **WHERE** → **VERIFY**. After any change that affects public surfaces, re-run `deploy_surfaces + invalidate`, or re-publish an affected project. Respect the invariants in `DEPLOYMENT §5`.

1. NAME A NEW CITY / BRAND

WHAT: set the brand + hub tag. **WHERE:** `.env` – `COLLECTION`, `FLUX_AUTHOR`, `FLUX_BASE_URL`; titles already derive from `canonical()`. **VERIFY:** new projects get `collections=[COLLECTION]` and appear on the hub.

2. RETARGET COVERAGE

WHAT: change the "N / TARGET corridors" goal. **WHERE:** `.env` `CORRIDOR_TARGET`. **VERIFY:** hub + embed coverage % = `round(100*n/TARGET)`; rebuild surfaces.

3. RECOLOR ROUTES

WHAT: change the route accent. **WHERE:** `.env` `ROUTE_COLOR` (used by project page + hub + embed map line). Keep hover a darker shade. **VERIFY:** map polylines use the new hex; coverage bar/accent still consistent.

4. CHANGE MAP TILES

WHAT: different basemap. **WHERE:** `.env` `TILE_URL` (Leaflet template). **VERIFY:** tiles load on project page, hub, embed; attribution updated.

5. SWITCH DISPLAY UNITS (MILES ↔ KM)

WHAT: public distance unit. **WHERE:** the single distance formatter used by all builders. **INVARIANT:** storage stays `distance_km`; convert only at render. **VERIFY:** hub == embed == project page show the same converted value.

6. ADD A HUB STAT

WHAT: new aggregate (e.g. "cameras used"). **WHERE:** ensure the field exists per `WalkRecord` (add in publisher §5 from `submission.stats`), then add a `.stat` cell in `build_hub` (and embed if desired). **VERIFY:** value equals the catalog aggregate.

7. ADD A FIELD TO THE ROUTE POPUP

WHAT: show e.g. camera/lens in the map popup. **WHERE:** add the field to the map_walks objects in build_hub/build_embed, then into the popup HTML. **VERIFY:** clicking a route shows the new field; OPEN PROJECT still target="_top", monochrome.

8. HIDE A PROJECT FROM A LISTING (NO DELETION)

WHAT: keep a project live by URL but off a browse listing. **WHERE:** filter by collections in the relevant builder (e.g. build_catalog_index excludes COLLECTION; to hide one project from the hub, remove its tag or add an allowlist). **INVARIANT:** never delete data; this is a *listing filter only*. **VERIFY:** project URL still 200; it's absent from the chosen listing.

9. NORMALIZE TITLES / CASING

WHAT: enforce STREET_NAME_IN_FLUX everywhere. **WHERE:** canonical() is the authority; for already-published projects, patch catalog.title + the project page title slots + regenerate surfaces. **INVARIANT:** changing a **title** is safe; changing a **slug** changes the URL → needs a redirect (see #12). **VERIFY:** hub, project page, and embed all show the canonical title.

10. CHANGE DERIVATIVE SIZE / CONTACT SHEET

WHAT: larger web images or denser contact sheet. **WHERE:** Worker stage 4 (derivative long-edge/quality) and stage 9 (grid columns). **VERIFY:** re-generate a draft; large/ images at new size; contact sheet renders.

11. SWAP THE GEOCODER

WHAT: different reverse-geocoding provider. **WHERE:** Worker stage 5 – keep the contract: (lat,lon) -> address|None, rate-limited, **grid-cached**, never fatal. **VERIFY:** addresses resolve; failures degrade to raw coords, not crashes.

12. RENAME A SLUG (URL CHANGE) – CAREFUL

WHAT: change a live project's URL. **WHERE:** server-side copy s3 <old>/* → <new>/*; update catalog (slug,public_url,cover_image); tombstone old slug; write a **redirect stub** at the old index.html (CloudFront+OAC does not honor S3 website redirects). **VERIFY:** old URL redirects, new URL 200, hub points to new.

13. ADD AN OG/SOCIAL IMAGE TO PROJECT PAGES

WHAT: rich link previews. **WHERE:** build_project_page head – add og:image = FLUX_BASE_URL/<cover_image>. **VERIFY:** meta tag present; image 200.

14. ADD A NAV ITEM ACROSS ALL PAGES

WHAT: a new top-nav link. **WHERE:** the nav source/template used by every builder.

GOTCHA: if any pages are static and deployed via s3 sync, patch the **local source**, not just live S3 – a later sync overwrites live with stale local. **VERIFY:** the item appears on every page type after rebuild + deploy.

15. STORE AI-TRAINING LINEAGE (FUTURE)

WHAT: record ALL_PHOTOS (every imported frame), PUBLISHED_PHOTOS (kept), ZINE_PHOTOS (final selection) per project to learn editing behavior later. **WHERE:** write a lineage block into submission.json + a private (non-public) copy; populate from the edit actions; never expose publicly. **VERIFY:** lineage captured automatically on edit/publish; not in any public surface.

GENERAL RULE FOR ANY MODIFICATION

1. Change the **single source** (config or the one builder/function).
 2. Respect invariants (OVERVIEW §5): canonical naming, hub+embed together, route-only hub, no-cache HTML, EXIF-stripped images.
 3. **Rebuild + invalidate**; verify the public surface.
 4. Never delete project data to change presentation.
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