

# Architect Handoff Notes

**Date:** 2025-12-13 **To:** Incoming Architect **Focus:** Phase 4, Step 2 (Stabilization & Routing Fix)

## Context & Status

We are stabilizing the Web Dashboard. The critical "Dependency Poisoning" (Matplotlib crash) and "Missing Directory" (FileNotFoundException) issues have been **SOLVED**.

- **Guard & Triage:** `_report_utils.py` and `reports/__init__.py` now handle missing `matplotlib` dependencies gracefully. Logs show legacy reports are being skipped without crashing the container.
- **Scaffolding:** `report_generator.py` now systematically creates output directories (`os.makedirs`). Verification logs show reports successfully writing to disk.

## The Current Blocker: "The Animation 404"

The "Interactive Animation" report generates successfully but returns a **404 Not Found** in the browser.

- **Diagnosis: Path Mismatch / Semantic Error.**
- **Evidence:** The generator logs show it writing to `.../reports/.../html/`. The browser requests `.../reports/.../animations/`.
- **Root Cause:** The `plot_interactive_animation.py` plugin currently defines itself as `report_type = 'html'`. The generator routes this to a generic `html` folder, but the Dashboard expects it in the semantic `animations` folder.

## Strategic Decision: Deprecate the `html` Folder

We have decided to **remove the `html` output folder entirely**.

- **Reason:** `html` was a "Pathfinder" artifact for proof-of-concept. It represents a file extension, not a semantic function.
- **New Standard:** All reports must be routed based on their semantic function (`plot`, `text`, `animation`, `chart`), regardless of their file format.

## Immediate Priorities

The Incoming Architect must execute the **"Semantic Routing Fix"** defined in the attached `TechnicalDirective.md`.