Par Delta Dashboard System Overview

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System Flow Overview

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1. Data Source:

- All business data (sales, labor, inventory, employee info) is stored in a Supabase database.

2. Data Access & Filtering:

- Each dashboard connects to Supabase using credentials stored in Streamlit secrets.

- Data is filtered by store PC number for isolation.

3. Dashboard Generation:

- Individual dashboards are generated using a template and the `generate_stores.py` script.

- Each store gets its own directory with a customized dashboard and config.

4. Dashboard UI:

- Dashboards are built with Streamlit, providing interactive charts, metrics, and data tables.

- Main dashboard modules are in `streamlit_app/pages/` (central dashboard) and generated store directories (individual dashboards).

5. Deployment:

- Dashboards are deployed to Streamlit Cloud, each with its own subdomain (e.g., `357993.streamlit.app`).

- Secrets (Supabase URL and key) must be configured for each deployment.

Essential Files

Central Dashboard:

- `streamlit_app/streamlit_app.py`: Main entry point for the central dashboard.

- `streamlit_app/pages/`: Individual dashboard modules.

- `streamlit_app/requirements.txt`: Python dependencies.

Individual Store Dashboards:

- `individual_stores/generate_stores.py`: Generates dashboards for each store.

- `individual_stores/template/store_dashboard.py`: Store dashboard template.

- `individual_stores/store_config.py`: Store configuration.

- `individual_stores/template/requirements.txt`: Dependencies for store dashboards.

- `individual_stores/store_xxxxx_storeName/streamlit_app.py`: Generated dashboard for each store.

- `individual_stores/store_xxxxx_storeName/.streamlit/secrets.toml.template`: Secrets template for deployment.

Data & Database:

- Supabase database: All business data tables.

- Secrets: `SUPABASE_URL`, `SUPABASE_KEY` (configured in Streamlit Cloud).

Quick Start

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1. Run `python individual_stores/generate_stores.py` to generate dashboards for all stores.

2. Deploy each dashboard to Streamlit Cloud, set up secrets, and assign subdomains.

3. For the central dashboard, deploy `streamlit_app/streamlit_app.py` with its requirements and secrets.

File Connectivity Summary

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1. Core Dashboard Files: Directly connected to the dashboard UI and data.

2. Individual Store Dashboard System: Used for generating and configuring store dashboards.

3. Data Processing & Upload Scripts: Utility scripts for ingesting, cleaning, and uploading data to

Supabase.

4. Future Features & Admin Tools: For future expansion, admin, or user management.

5. Testing & Utility Scripts: For setup and troubleshooting.

6. Other/Unused/Template Files: Templates or manual/batch data operation scripts.

How to Tell if a File is Connected?

- Imported or called by `streamlit_app.py`, a page in `streamlit_app/pages/`, or a generated store

dashboard = connected.

- Referenced in scripts for data upload, cleaning, or admin = utility/future.

- In `future_update` folder = planned features.

Summary

- Dashboard UI: Powered by `streamlit_app/streamlit_app.py` and its pages.

- Data: Prepared and uploaded by scripts in `scripts/ingest/` and `scripts/upload/`.

- Individual store dashboards: Generated by scripts in `individual_stores/`.

- Future features/admin tools: In `future_update/`.

- Testing/utilities: For setup and troubleshooting.