# NPW DBT Project Changes Analysis

## Original vs Modified Version Comparison

### 📊 Executive Summary

* **Critical functional changes**: 3 major
* **Configuration updates**: Multiple

## ⚙️ Configuration Changes (dbt\_project.yml)

### 1. **NEW FEATURE**: Source Override Capability

**Added**:

inprocess\_source\_override: NPD\_D12\_DMN\_GDWMIG\_IBRG.PDSSTG.CSE\_CPL\_BUS\_APP

* **Purpose**: Allow dynamic switching from INPROCESS tables to ingested PDSSTG tables
* **Impact**: Enables flexible data sourcing
* **Added by**: mhindi (2025-08-13)

### 2. Comment Updates for Documentation

**Pattern**: Multiple base\_dir comments updated with attribution **Before**: # base\_dir: cba\_app\_\_csel4\_\_csel4dev **After**: # 20250812 commented by mhindi base\_dir: cba\_app\_\_csel4\_\_csel4dev

**Files affected**: 15+ job parameter sections - processrunstreamstatuscheck - extpl\_app - ldmap\_cse\_pack\_pdct\_pllkp - processrunstreamfinishingpoint - ldapptdeptupd - ldapptdeptins - ldtmp\_appt\_deptrmxfm - dltappt\_deptfrmtmp\_appt\_dept - dltappt\_pdctfrmtmp\_appt\_pdct - ldapptpdctins - ldtmp\_appt\_pdctfrmxfm - ldapptpdctupd - processrunstreamerrorhandler - processrunstreamstepoccrbeginandend - utilprosisacprevloadcheck - loadgdwproskeyseq

### 3. Formatting Standardization

* Consistent spacing after comments

## 🗄️ Model Changes

### 1. **MAJOR**: Source Override Implementation

**File**: models/cse\_dataload/08extraction/cplbusapp/extpl\_app/srcplappseq\_\_extpl\_app.sql

**Key Changes**:

1. **Dynamic Source Selection**:

```sql – NEW: Override logic added {% set default\_inprocess = cvar(‘intermediate\_db’) ~ ‘.’ ~ cvar(‘files\_schema’) ~ ‘.’ ~ cvar(‘base\_dir’) ~ ’\_\_INPROCESS\_*CSE\_CPL\_BUS\_APP*’ ~ cvar(‘run\_stream’) ~ ’\_’ ~ cvar(‘etl\_process\_dt’) ~ ’\_\_DLY’ %} {% set inprocess\_src = var(‘inprocess\_source\_override’, default\_inprocess) %}

FROM {{ inprocess\_src }} – Instead of hardcoded path ```

1. **Column Cleanup**:
   * **Removed**: RECORD\_TYPE, DUMMY columns
   * **Retained**: MOD\_TIMESTAMP, PL\_APP\_ID, NOMINATED\_BRANCH\_ID, PL\_PACKAGE\_CAT\_ID
   * **Impact**: Cleaner data pipeline, removed unnecessary columns

### 2. Column Name Standardization

**File**: models/appt\_pdct/ldapptpdctins/tgtapptpdctinstera\_\_ldapptpdctins.sql

**Changes**: - **Removed double quotes** from column names in MERGE statements - **Before**: "appt\_pdct\_i", "appt\_qlfy\_c", etc. - **After**: appt\_pdct\_i, appt\_qlfy\_c, etc. - **Impact**: Consistent naming convention

### 3. APPT\_PDCT Pipeline Updates (12+ files)

**Files affected**: - changecapture\_\_dltappt\_pdctfrmtmp\_appt\_pdct.sql - cpyapptpdct\_\_dltappt\_pdctfrmtmp\_appt\_pdct.sql - joinall\_\_dltappt\_pdctfrmtmp\_appt\_pdct.sql - srctmpapptpdcttera\_\_dltappt\_pdctfrmtmp\_appt\_pdct.sql - tgtapptpdctinsertds\_\_dltappt\_pdctfrmtmp\_appt\_pdct.sql - tgtapptpdctupdateds\_\_dltappt\_pdctfrmtmp\_appt\_pdct.sql - Additional models in ldtmp\_appt\_pdctfrmxfm and related pipelines

**Common Changes**:

- Quote removal for consistency

- Formatting standardization

- Minor syntax improvements

## 📁 File Structure Changes

### Files Removed in Modified Version:

1. **.user.yml** - User-specific configuration
2. **airflow/** - Orchestration directory
3. **ddl\_dml/** - Database scripts directory
4. **logs/** - Execution logs directory
5. **before\_\_dltappt\_pdctfrmtmp\_appt\_pdct.sql** - Specific model file

## 🎯 Functional Impact Analysis

### 1. **Source Data Flexibility** ✅

* **Enhancement**: Can now switch between INPROCESS and PDSSTG tables
* **Benefit**: Enables testing with different data sources
* **Implementation**: Global variable with model-level override

### 2. **Data Pipeline Cleanup** ✅

* **Enhancement**: Removed unnecessary columns (RECORD\_TYPE, DUMMY)
* **Benefit**: Improved performance and clarity
* **Impact**: No downstream dependencies affected

### 3. **Standardization** ✅

* **Enhancement**: Consistent naming conventions (removed quotes)
* **Benefit**: Better SQL standards compliance
* **Impact**: Improved readability and maintainability