

OBJECTIVE: To develop a formalized process to logically refresh EDW data and schemas to facilitate effective development and testing, using a sequenced, cascading approach in consideration of current overall environment state.

This proposed process is in strict consideration of a (one-time) baseline setting project for the production environment as a prerequisite

- Set baseline for PROD:
 - Copy **(backup / restore)** to NON-PROD / INTEGRATION
 - Copy **(backup / restore)** to SANDBOX1
 - Copy **(backup / restore)** to SANDBOX2
- Data** in PROD is populated through **ETL processes** using **various products and techniques** (*ADF, SSIS, SQL Agent, Alteryx, Etc.*)
- Engineer / Adopt process that promotes **DDL** code that is created / changed in SANDBOX1 environment to NON-PROD / INTEGRATION environment using **GitHub**. (*SCHEDULED OR MANUAL Interval TBD*)
- Engineer / Adopt process that promotes **DML** code that is created / changed in SANDBOX1 environment to NON-PROD / INTEGRATION environment using **GitHub**. (*SCHEDULED OR MANUAL Interval TBD*)
- Engineer / Adopt process that promotes **DDL** code that is created / changed in SANDBOX2 environment to NON-PROD / INTEGRATION environment using **GitHub**. (*SCHEDULED OR MANUAL Interval TBD*)
- Engineer / Adopt process that promotes **DML** code that is created / changed in SANDBOX2 environment to NON-PROD / INTEGRATION environment using **GitHub**. (*SCHEDULED OR MANUAL Interval TBD*)
- Engineer / Adopt process that promotes **DDL** code that is created / changed in NON-PROD / INTEGRATION environment to PROD environment using manual **Release Process**. (*MANUAL (controlled) Interval TBD – (Weekly release window)*)
- Engineer / Adopt process that promotes **DML** code that is created / changed in NON-PROD / INTEGRATION environment to PROD environment using manual **Release Process**. (*MANUAL (controlled) Interval TBD – (Weekly release window)*)
- Engineer / Adopt processes that refresh lower SDLC environments with **DATA** from PROD via either manual or automated “Copy Back” process and subsequently promotes **DDL / DML** to NON-PROD / INTEGRATION environment from SANDBOX environments using GitHub. This will facilitate an integrated testing environment (*i.e. fresh data, which is then overlaid with latest code versions.*)

