Zone 4 Consolidated Model



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SBD Caspian Zone 4 Consolidated Model (Pricing) Run Book:

Prowl, Sequentum & Stackline

Decker

Global IT Solution Delivery | Data & Analytics

**1.17.2022**

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| **Title**: SBD Caspian Operations Zone 4 Pricing Run Book | | Supersedes: | |

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| **DATE** | **VERSION** | **DESCRIPTION** | **AUTHOR** |
| 10/24/2022 | 0.1 | Initial Draft | Ambika |
| 10/25/2022 | 0.2 | Updates | Bala Ramachandran |
|  | 0.3 |  |  |
|  | 0.4 |  |  |

A picture containing computer, star, outdoor object, night sky

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# INTRODUCTION

## Purpose of Document

## This document provides the functional and technical overview of EDW Pricing (Sources Included: SEQUENTUM) along with operational information that would be required to support the application on a day-to-day basis. Objective for preparing this document is to capture the knowledge about EDW Pricing Data Migration (for the given sources) in a single place.

## Scope of Document

## This document covers the information about EDW Pricing (Pricing External Systems) migration of the sources SEQUENTUM. This contains:

## Functional overview

## Technical overview

## Operational/Support information

## Document Audience

The Zone4 consolidation process will be the artery for the ingestion of data from Zone 3 into Zone 4 Consolidated structure from where it is available for the Pricing related datamarts. This document could be referred by following ─

* Project Manager
* Business Analyst
* Developers
* Testers
* Support Personnel

## Background

### Overview/Summary

Serve the business functionality of ***EDW Pricing*** ***Data Migration from Zone-3 to Zone-4 Team*** and Various business functions supported and handled by ***EDW Pricing*** ***Data Migration Team***.

In EDW PRICING Data Migration Data from Zone3 to Consolidated layer (Zone – 4)

This process involves the following:

**Mapping Document.**

* Need to get LDM attributes
* Identify mapping for the defined attributes
* Approval on the mapping from Source SME

**Build of the DBT model using the mapping document (approved by source SME).**

1. Build DBT model using mapped attributes
2. DBT Model execution to load the data from Zone3 to Zone4.

**Testing the loaded data.**

Testing Strategy:

1. Unit Testing.

2. Evidence Documents

3. UAT (Performed by Business user).

**AWS Secrets Information:**   
**sbd/caspian/prod/operations/db/sbd\_caspian\_snowflake\_edw**

**Context Diagram**

Diagram

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This context diagram/Flowchart will depict the interfaces of concerned ***EDW Data Migration Team*** with various business functions. Diagram will categorically highlight the flow of data/information/reports, etc. between ***EDW Data Migration Team*** and business functions.

**HOTS KT Session Meeting Recording Details:**

|  |  |  |  |
| --- | --- | --- | --- |
| **SL.No** | **Date** | **System** | **Meeting Recording Link** |
| 1 | 26-Oct-22 | Pricing-External Systems (PROWL, SEQUENTUM AND STACKLINE) | [KT\_Session for Zone 4 - Pricing\_EDW [Prowl, Stackline and Sequentum ( Deployment in PROD targeted for Nov 4th )]-20221026\_170428-Meeting Recording.mp4](https://ecentral.sharepoint.com/:v:/r/sites/StrategicInsightsCOE530/Shared%20Documents/General/Design,%20Build%20and%20Test%20Updates%20(IT)/Pricing%20Consolidation/KT%20Session%20and%20Cutover%20Plan_Documents/KT_Session%20for%20Zone%204%20-%20Pricing_EDW%20%5BProwl,%20Stackline%20and%20Sequentum%20(%20Deployment%20in%20PROD%20targeted%20for%20Nov%204th%20)%5D-20221026_170428-Meeting%20Recording.mp4?csf=1&web=1&e=lGteYV) |

**Execution Steps:**

* **Step 1:***Build team to raise Pull Request which needs to be approved by the IT OPS.*
* **Branch Info :** [feature/prowl-stackline-sequentum-onboarding-pricing-fixes](https://bitbucket.org/sbddatalake/sbd-edw-pricing/branch/feature/prowl-stackline-sequentum-onboarding-pricing-fixes)
* **Repo Info : *https:/bitbucket.org/sbddatalake/sbd-edw-pricing***
* **Step 2:   
  *IT Ops to merge (***[feature/prowl-stackline-sequentum-onboarding-pricing-fixes](https://bitbucket.org/sbddatalake/sbd-edw-pricing/branch/feature/prowl-stackline-sequentum-onboarding-pricing-fixes)

***(dev -to -main))***

* **Step 3: Execute the Following jobs for environment creation.**

|  |  |  |
| --- | --- | --- |
| **Talend Adhoc Tasks in Production (One Time Load)** | | **Execution Order** |
| 1 | EDW\_ADHOC\_METADATA | 1st |
| 2 | EDW\_PRICING\_RELEASE\_PROD | 2nd |

**Job descriptions:**

1. **EDW\_ADHOC\_METADATA:**One time data load into meta-data table (METADATELOADDT).   
   Needs to execute only when meta data configuration changes.
2. **EDW\_PRICING\_RELEASE\_PROD :   
   dbt run -m ReleaseDayObjects**This job is for table modification. (Alter statements).

|  |  |  |  |
| --- | --- | --- | --- |
| **Initial Manual Load** | | | |
| **Regular Jobs and Their Schedule** | | | |
| **SL. No** | **Source System** | **TMC Task Name** | **Autosys Schedule Time** |
|  |  |  |  |
| 1 | PRICING | EDW\_PRC\_SEQUENTUM |  |
|  |  |  |  |

* **Step 4:** Execute the following jobs for Initial Manual load.  
   TMC Parameters which needs to be changed in PROD during deployment:

Caspian Environment – PROD

Repo Branch – main (after merge)

* **Step 5:** Execute the following testing scripts.

select MODEL\_NAME, LOADSTATUS, ROWREAD, ROWINSERTED, ROWUPDATED, ERROR\_DESCRIPTION, job\_time\_start, job\_time\_end

from "PROD\_EDW"."CONSOLIDATED"."LOGGING" where LID in

(Select SID from "PROD\_EDW"."CONSOLIDATED"."METADATELOADDT" where SYSTEM\_NAME LIKE '%**SEQUENTUM**%')

and MODEL\_NAME like '%PRICING%' and ERROR\_DESCRIPTION IS NULL and LOADSTATUS='END'

order by job\_time\_start desc

* **Feature/Release  Branch Info.  :** [**sbddatalake/sbd-edw-pricing — Bitbucket**](https://bitbucket.org/sbddatalake/sbd-edw-pricing/src/d5ec607a4fee9fed5e7ae91ee66bae38ed8aa540/?at=release%2FPRICING_DEPLOYMENT_09292022)
* <https://bitbucket.org/sbddatalake/sbd-edw-pricing/branch/feature/prowl-stackline-sequentum-onboarding-pricing-fixes>

*This is the production branch. Contains framework templets*

**TICKET NUMBER:** DFCT0024021

**Support Team Structure:**

1. [CaspianRunTeam@sbdinc.com](mailto:CaspianRunTeam@sbdinc.com)
2. **EDW Pricing Build Team**

**Build Team:**

|  |  |  |
| --- | --- | --- |
| 1 | Ambika Shyam | [Ambika.shyam@sbdinc.com](mailto:Ambika.shyam@sbdinc.com) |
| 2 | Bala Ramachandran | [Bala.ramachandran@sbdinc.com](mailto:Bala.ramachandran@sbdinc.com) |

**Consumer Team from *Pricing External Systems*:**

|  |  |  |
| --- | --- | --- |
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**SBD Caspian Team**: [SBD-Caspian-Notify@sbdinc.com](mailto:SBD-Caspian-Notify@sbdinc.com)

SLA: - TBD with Caspian Team

Table

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