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| Knowledge Document |
| Run Book for EDW PRICING (Pricing External Systems) |

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version No. | Date | Prepared/Modified by | Significant Changes |
| 1 | 07/18/2022 | Kumar Sambhav | Initial version |
| 2 | 07/18/2022 | Nilanjan Patra | Initial version |

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# INTRODUCTION

* 1. Purpose of Document

This document provides the functional and technical overview of ***EDW Pricing (Sources Included:***  ***USPOS, Barometer, WebPrice, PriceFX, RSA Bible, SSA, DataMind)*** 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 comprehensive knowledge about ***EDW Pricing Data Migration in*** single place. Thus, reducing effort of readers to refer multiple documents

* 1. Scope of Document

This document covers the following about ***EDW Pricing (Pricing External Systems)***

The Sources included in ***EDW Pricing*** are: ***USPOS,Barometer,WebPrice,PriceFX,RSA Bible,SSA,DataMind  
Pricing External Systems***

1. Functional overview
2. Technical overview
3. Operational/Support information
   1. Audience

This document could be referred by following ─

1. Project Manager
2. Business Analyst
3. Developers
4. Testers
5. Support Personnel

# APPLICATION FUNCTIONAL OVERVIEW

* 1. Application Functionality

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:

**Preparation of Mapping Document.**

1. Need to get LDM attributes
2. Identify mapping for the defined attributes
3. Approval on the mapping from Source SME

**Building 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).

**Evidence Document Location:**

|  |  |  |
| --- | --- | --- |
| **TMC TASK** | **SIT PATH** | **UT Path** |
| EDW\_PRC\_BAROMETER | [GTS SIT Documents](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fecentral.sharepoint.com%2F%3Af%3A%2Fr%2Fsites%2FCaspian-EDW%2FShared%2520Documents%2FGeneral%2FData%2520Model%2FPricing%2520LDM%2520-%2520Consolidation%2520Zone%2520(EDW)%2FGTS%2520SIT%2520Documents%3Fcsf%3D1%26web%3D1%26e%3DZvZSi7&data=05%7C01%7Ckumar.sambhav%40hcl.com%7C9474465e1403406f890808da97adca2c%7C189de737c93a4f5a8b686f4ca9941912%7C0%7C0%7C637989069922215606%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=YREG6iDsKeUIV3J2lNxp8O3F08Fp0pgjek8QI30XNcw%3D&reserved=0) | [Pricing GTS UT Documents](https://apc01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fecentral.sharepoint.com%2F%3Af%3A%2Fr%2Fsites%2FCaspian-EDW%2FShared%2520Documents%2FGeneral%2FData%2520Model%2FPricing%2520LDM%2520-%2520Consolidation%2520Zone%2520(EDW)%2FPricing%2520GTS%2520UT%2520Documents%3Fcsf%3D1%26web%3D1%26e%3DA6AGhu&data=05%7C01%7Ckumar.sambhav%40hcl.com%7C9474465e1403406f890808da97adca2c%7C189de737c93a4f5a8b686f4ca9941912%7C0%7C0%7C637989069922215606%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=ly%2FocycBuf95OoIRD43VV0sBb%2F6Ob91U5M9PNl7T2eE%3D&reserved=0) |
| EDW\_PRC\_PRICEFX | GTS SIT Documents | Pricing GTS UT Documents |
| EDW\_PRC\_DATAMIND | GTS SIT Documents | Pricing GTS UT Documents |
| EDW\_PRC\_WEBPRICE | GTS SIT Documents | Pricing GTS UT Documents |
| EDW\_PRC\_SSACOMPETITIVEINTELLIGENCE | GTS SIT Documents | Pricing GTS UT Documents |
| EDW\_PRC\_SFTPGTSI | GTS SIT Documents | Pricing GTS UT Documents |
| EDW\_PRC\_USPOS | GTS SIT Documents | Pricing GTS UT Documents |

**Mapping Document Location :**[**EDW Integration - Business Review - All Documents (sharepoint.com)**](https://ecentral.sharepoint.com/sites/Caspian-EDW/Shared%20Documents/Forms/AllItems.aspx?FolderCTID=0x0120005203C43A07D362438EAAC71AFE8D659A&OR=Teams%2DHL&CT=1633665181490&id=%2Fsites%2FCaspian%2DEDW%2FShared%20Documents%2FGeneral%2FData%20Model%2FPricing%20LDM%20%2D%20Consolidation%20Zone%20%28EDW%29%2FBusiness%20Review&viewid=bd37b4ab%2D7b8e%2D4b34%2D834e%2D8dbe442c9669)

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

* 1. Functional Context Diagram

**Context Diagram**

Diagram

Description automatically generated

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** | **Passcode** |
| 1 | 20-Sep-22 | Pricing-External Systems | https://stanleyblackanddecker.zoom.us/rec/share/-HQihullvjaSvpNrZwW8\_ELd25GYR2w2eN97WInMZYPu6cnSv72tTzJJMHjgcGnK.Da2rfajCcJW7pAD1 | X20#ZfA0 |
| 2 | 19-Sep-22 | Pricing-External Systems | https://stanleyblackanddecker.zoom.us/rec/share/ZykC44xJ-3g-F5vv3zp3MPAHOVdLr00\_TBEWjM4vR89018RcFPycAkfHETia23Gm.j8ZZZ5zJp8Y7oaZW | r9KU6#eO |

* 1. Execution Plan Steps Along With Talend Job Names
* **Step 1:***Build team to raise Pull Request which needs to be approved by the IT OPS.*

**Feature/Main  Branch Info : *bitbucket.org:sbddatalake/sbd-edw-Pricing.git - Main Branch***

* **Step 2:   
  *IT Ops to merge (Branch\_name(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 |
| 3 | EDW\_ADHOC\_DYNAMICVIEW | 3rd |

**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 :**Required in subsequent release.This job is for table modification. (DDL & DML stmt).
3. EDW\_ADHOC\_DYNAMICVIEW:   
   This will dynamically create the view in consolidated layer.

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

Caspian SNOWFLAKE CredVaultKey - sbd/caspian/prod/operations/db/sbd\_caspian\_snowflake\_edw

Caspian Environment – PROD

Repo Branch – main

|  |  |  |  |
| --- | --- | --- | --- |
| **Initial Manual Load** | | | |
| **Regular Jobs and Their Schedule** | | | |
| **SL. No** | **Source System** | **TMC Task Name** | **Autosys Schedule Time** |
| 1 | PRICING | EDW\_PRC\_BAROMETER | Weekly 8:00 AM (EST) |
| 2 | PRICING | EDW\_PRC\_PRICEFX | Weekly 8:00 AM (EST) |
| 3 | PRICING | EDW\_PRC\_DATAMIND - descope | Daily 8:00 AM (EST) |
| 4 | PRICING | EDW\_PRC\_WEBPRICE | Daily 8:00 AM (EST) |
| 5 | PRICING | EDW\_PRC\_SSACOMPETITIVEINTELLIGENCE | One Time – Manual |
| 6 | PRICING | EDW\_PRC\_SFTPGTSI - descope | Monthly (CAD file  week1 Friday in month , US file week2 Monday in month) |
| 7 | PRICING | EDW\_PRC\_USPOS | Daily |

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

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

**from "TEST\_EDW"."CONSOLIDATED"."LOGGING" where LID in**

**(select SID from "TEST\_EDW"."CONSOLIDATED"."METADATELOADDT" where SYSTEM\_NAME like '%PRICING%')**

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

**order by job\_time\_start desc**

* **ssssFeature/Main  Branch Info.  :**

***bitbucket.org:sbddatalake/sbd-edw-main.git*** *–   
Master Branch* ***(Not required for wave 1 deployment)****This is the production branch. Contains framework templets*

* 1. Support Team Structure

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

**Build Team:**

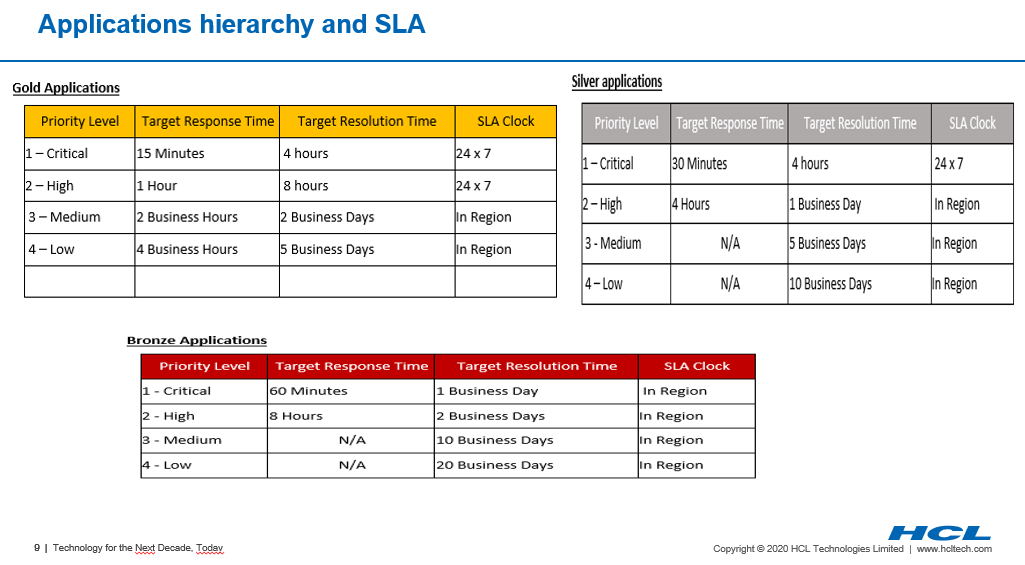
|  |  |  |
| --- | --- | --- |
| 1 | Nilanjan Patra | samiuddinahmed.moham@hcl.com |
| 2 | Dheebiga R | dheebiga.r@hcl.com |
| 3 | Samudrala Sai Kiran | samudralasai.kiran@hcl.com |

**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



**DOCUMENT SIGN OFF**

|  |  |
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| SBD SMEs | Meenakshi Sundaram |
| SBD SMEs Sign off Signature |  |



Thank You!