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| Knowledge Document |
| Run Book for EDW PRICING (Pricing External Systems-Phase-2) |

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version No. | Date | Prepared/Modified by | Significant Changes |
| 1 | 10/26/2022 | Bala Ramachandran | Initial Version |
| 2 | 10/26/2022 | Ambika S | Initial Version |

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# INTRODUCTION

* 1. Purpose of Document

This document provides the functional and technical overview of ***EDW Pricing (Sources Included:***  ***PROWL,SEQUENTUM,STACKLINE)*** 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 : ***PROWL, SEQUENTUM, STACKLINE***

Functional overview

1. Technical overview
2. 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:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SOURCE SYSTEM** | **ENTITY** | **TMC TASK** | **SIT PATH** | **UT Path** |
| PROWL | EDW\_PRICING\_COMPETITOR\_SALES | EDW\_PRICING\_PROWL | [GTS SIT Documents](https://ecentral.sharepoint.com/:f:/r/sites/Caspian-EDW/Shared%20Documents/General/Data%20Model/Pricing%20LDM%20-%20Consolidation%20Zone%20(EDW)/GTS%20SIT%20Documents?csf=1&web=1&e=ZvZSi7) | [Pricing GTS UT Documents](https://ecentral.sharepoint.com/:f:/r/sites/Caspian-EDW/Shared%20Documents/General/Data%20Model/Pricing%20LDM%20-%20Consolidation%20Zone%20(EDW)/Pricing%20GTS%20UT%20Documents?csf=1&web=1&e=A6AGhu) |
| SEQUENTUM | EDW\_PRICING\_COMPETITOR\_SALES | EDW\_PRICING\_SEQUENTUM | [GTS SIT Documents](https://ecentral.sharepoint.com/:f:/r/sites/Caspian-EDW/Shared%20Documents/General/Data%20Model/Pricing%20LDM%20-%20Consolidation%20Zone%20(EDW)/GTS%20SIT%20Documents?csf=1&web=1&e=ZvZSi7) | [Pricing GTS UT Documents](https://ecentral.sharepoint.com/:f:/r/sites/Caspian-EDW/Shared%20Documents/General/Data%20Model/Pricing%20LDM%20-%20Consolidation%20Zone%20(EDW)/Pricing%20GTS%20UT%20Documents?csf=1&web=1&e=A6AGhu) |
| STACKLINE | EDW\_PRICING\_COMPETITOR\_SALES | EDW\_PRICING\_STACKLINE | [GTS SIT Documents](https://ecentral.sharepoint.com/:f:/r/sites/Caspian-EDW/Shared%20Documents/General/Data%20Model/Pricing%20LDM%20-%20Consolidation%20Zone%20(EDW)/GTS%20SIT%20Documents?csf=1&web=1&e=ZvZSi7) | [Pricing GTS UT Documents](https://ecentral.sharepoint.com/:f:/r/sites/Caspian-EDW/Shared%20Documents/General/Data%20Model/Pricing%20LDM%20-%20Consolidation%20Zone%20(EDW)/Pricing%20GTS%20UT%20Documents?csf=1&web=1&e=A6AGhu) |

**Mapping Document Location :**[EDW Integration - Pricing Baseline Mapping Doc - 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%2FPricing%20Baseline%20Mapping%20Doc&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** |
| 1 | 26-Oct-22 | Pricing-External Systems (PROWL,SEQUENTUM AND STACKLINE) |  |

* 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 : *https:/bitbucket.org/sbddatalake/sbd-edw-pricing - 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\_PROWL | Daily 8:00 AM (EST) |
| 2 | PRICING | EDW\_PRC\_SEQUENTUM |  |
| 3 | PRICING | EDW\_PRC\_STACKLINE |  |

**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 '%RSA%')**

**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)

*Master Branch* ***(Not required for wave 1 deployment)****This is the production branch. Contains framework templets*

* **Backup  Branch Info.  :**

[**https://bitbucket.org/sbddatalake/sbd-edw-pricing/src/915321ae180726fc810606cc622f4547eab6403b/?at=feature%2FMASTER\_BACKUP\_09302022**](https://bitbucket.org/sbddatalake/sbd-edw-pricing/src/915321ae180726fc810606cc622f4547eab6403b/?at=feature%2FMASTER_BACKUP_09302022)

* **PULL Request Info.  :**

[**sbddatalake / sbd-edw-pricing / Pull Request #283: Release/PRICING DEPLOYMENT 09292022 — Bitbucket**](https://bitbucket.org/sbddatalake/sbd-edw-pricing/pull-requests/283)

* 1. Support Team Structure

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

**Build Team:**

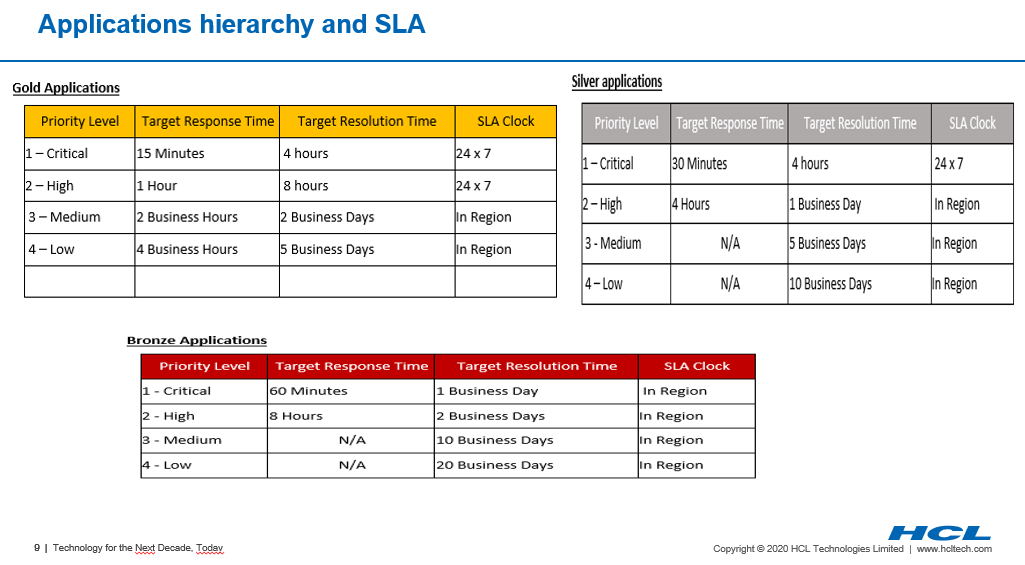
|  |  |  |
| --- | --- | --- |
| 1 | Dheebiga R | Dheebiga.r@hcl.com |

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

|  |  |  |
| --- | --- | --- |
| 1 | Meenakshi Sundaram | MeenakshiSundaram.Sivaramakrishnan@sbdinc.com |
| 2 | Anand Thiravidamani | anand.thiravidamani@sbdinc.com |
| 3 | Rajagopal Shambhunathpal | rajagopal.shambhunathpal@sbdinc.com |

**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!