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MDM-EDM Integration

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Overview: MDM Integration with EDM

All-in-one unified and consistent view of key business data across various systems.

It ensures data accessibility ,reliability and above all data accuracy for all potential and authorized users and other applications that need key business data.

Key aspects

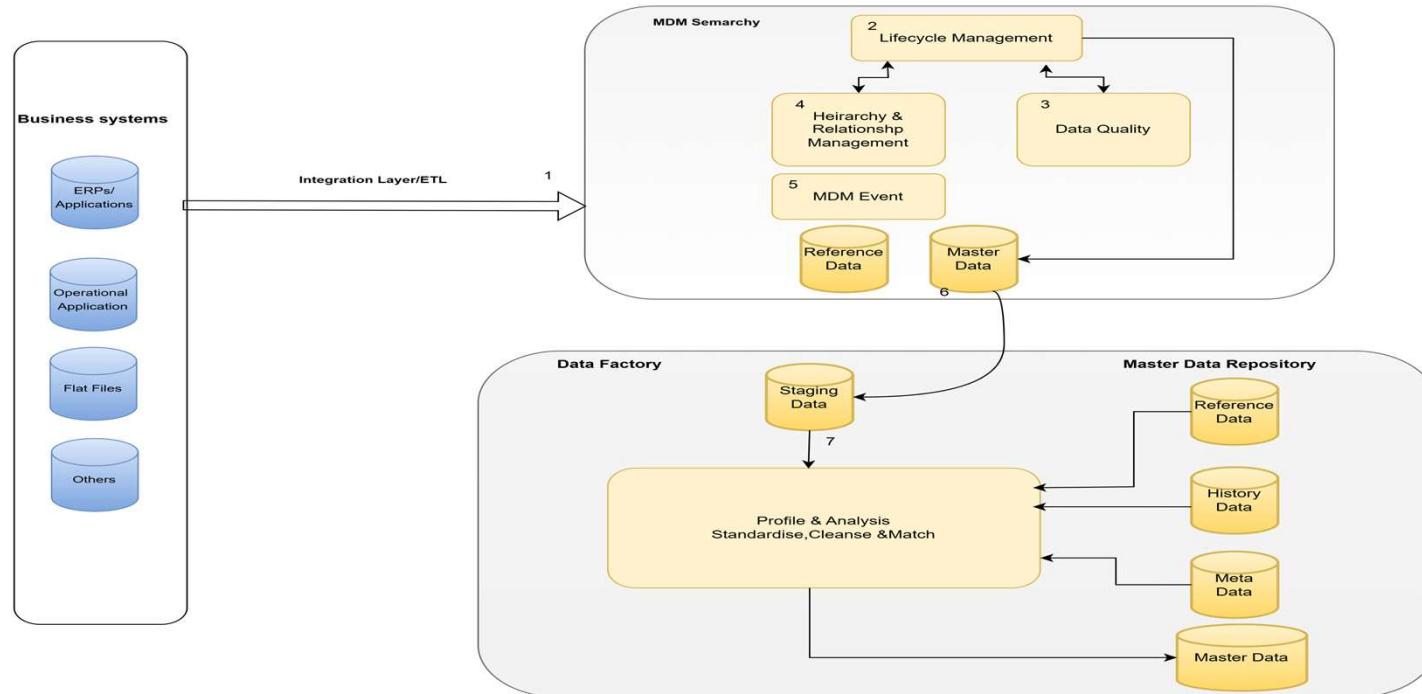
- Identify key business entities ie Customer, Product, Asset, Location etc
- Data Modelling
- Data Integration and frequency
- Data Governance
- Data dissemination to EDM for further consumption

Benefits

- Improved Data quality
- Enhanced business intelligence
- Increased operational efficiency
- Better customer experience
- Reduced cost
- Support for AI and ML

High Level MDM-EDM Data Architecture

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2. Lifecycle Management

1. Provide CRUD support by MDM
2. Apply business logic

3. Data Quality Management

1. Validate and enforce DQ rule
2. Perform data cleansing , Standardisation for both value and structure of the data and reconciliation.

4. Hierarchy & Relationships

1. Master data Hierarchies and groupings

5. MDM Events

1. Detect the actions that are defined on Data Governance

6. Master data Repository

1. Consists of Master data,Meta data for MDM history data to record the changes and reference data.

7. Data Profiling & Analysis

1. Validate master data quality across enterprise.

7. Standardise ,Cleanse and Match

1. To improve Master data quality further.



Where we are currently - Packaging

■ **Location Master data** (Operational Sites, External and Internal warehouse) – EDM Integration

- Design – Completed
- Build – Completed
- Live to Production - Completed

■ **Asset Master data** (Machines, Components and Sub- Components) – EDM Integration

- Design – Completed
- Build – To Do
- Live to Production – To Do

■ **Customer Master data** (Customer – Bill To , Ship-To and Sold-To) – EDM Integration

- Design (Bill-To)- Completed
- Design (Ship-To and Sold-To) – In Progress
- Build – To Do
- Live to Production – To Do

■ **Product Master data** (Product Item, Product Hierarchy, Product Family) – EDM Integration

- Design– In Progress
- Build – To Do
- Live to Production – To Do



Challenges

- No Group owner of the EDM to sign off
- No updates from Paper even with a few project that have gone into DF
- Need a route to move logic from code to visual ETL to manage effectively.
- Review of code take far too long, too many errors on simple dimensional change in LMDM-EDM integration
- Training needed for iceberg as we are 100% dependent on exponential
- Packaging policy will be that no data will be shared to the other divisions outside the EDM

