Multi-Domain
Master Data Management

Solution Description

Master data is the critical business data of an organization that includes product, supplier, and customer information. A robust Master data management solution is critical to ensure that a company's data is accurate and governed across enterprise applications, such as enterprise resource planning (ERP), customer relationship management (CRM), product lifecycle management (PLM), and more. ChainSys' enterprise-class Multi-Domain Master Data Management Suite, powered by dataZen™, has all data quality & data governance capabilities, to ensure accurate data in your organization & provide a simplified Master Data Management process to help solve many of the challenges your business might face, when dealing while managing **Enterprise, Product, Customer data** etc.

Why Chainsys

- **No programming: Configuration** based implementations with **Pre-Built & Configurable data models** to support any of your ERP, CRM, or PLM Systems data model as a foundation to manage complex information about multiple MDM Domains like **Customers, Prospects, Manufacturers, Suppliers, Partners, Contacts, Products, Item Categories, Organizations, Locations etc.** at **one place** along with hierarchical relationships among them.

- **Pre-built extractors, loaders, and integration templates** for above mentioned all master data domains and many more.

- **Consolidate data** among multiple peripheral ERP, CRM systems as one time consolidation / migration (**Get Clean**) or Ongoing Governance (**Keep it clean**).

- Data Profiling of various master data entities from any Source organization (Structured or Unstructured data) by tying master data with transactional data statistics.

- Robust **data quality engine** that is highly configurable, highly automated, and easy to use, speeding time to adoption and value.

- **Master data Cleansing, Enrichment and Deduplication** based on Algorithms, Data Dictionary along with **Deduplication Report Dashboards** for easy data review/adjustment.

- **Configurable survivorship and attributes merging rules** for automated merging and enrichment of Golden records

- Offers **below capabilities as a Service to** any ERP or CRM Systems
  - **Data Quality** to help cleanse, enrich and de-duplicate master data entities across various domains.
  - **Master Data Onboarding Request** and **Data enrichment** to help Govern master data entities across various module pre-data entry into ERP or CRM Systems
- Ability to **automatically post updates** to any ERP or CRM systems for Merging of master data entities such as Customers, Supplier, addresses, contacts, product etc.
- **Data Visualization** (Report, Dashboard, Analytics)
- **End-to-End Data Reconciliation** of data during and post migration
- **Data encryption and masking** to keep data safe while at rest and in motion

ChainSys Approach

dataZen, as a complete Master Data Management Suite, that can coexist with any system landscape with multiple ERP and CRM systems and provides various data governance tools and processes by leveraging following out of box features.

1. **Data Architecture & Data Modeling: -** Chainsys's master data Suite offers Industry standard templates to match various ERP and CRM Systems for the data modeling so you don't need to start from scratch.
2. **Data Discovery:** - Connect to any end point to extract master data, reference data, and transactional data, and generate metadata through [data profiling](#)
3. **Data Cleansing & Standardization** by detecting, correcting, and sometimes removing undesirable data records including standardizations and enrichments through 3rd party providers
4. **Data Quality Management: -** Robust Workflow and ML Algorithms (NLP) to provide a powerful data Quality Management (DQM) Engine to enable tactical management and oversight of the company's data assets as part of Data Stewardship. **Data Matching** to Identify and resolve duplicate records with configurable business rules to group the similar set of data. Data stewards or custodians can approve system-generated matching groups along with suggested survivor records to automatically merge or perform manual adjustments.
5. **Master Data Merging & Source Updates: -** Migrate the cleansed and consolidated data into peripheral system using pre-built migration and integration template as part of one-time migration (**Get Clean**) and in a steady state, trigger master data merge and update actions (**Keep it Clean**)
6. **Data Governance: -** Data Governance is a conscious and orchestrated effort by the Data Architects and Data Stewards to ensure the right master/transactional data goes into your ERP System, after scrutiny and corrections by various data stakeholders. dataZen offers capability to configure multi-level approval workflows based on complicated

business rules and various business scenarios. The application also provides real time activity monitoring and status tracking along with audit trail for all the changes during request and review process.

7. **Data Quality Monitoring: -** After all your data quality and migration processes, ChainSys can help provide a comprehensive Data Quality Monitoring dashboard and reconciliation reports to assess data quality and consistency

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