dataZen

Product Information Management

dataZen™ Whitepaper

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ChainSys Corporation

Former CIO for Dawn Food Products For 13+ years. 25+ years experience with a variety of ERP systems. Extensive experience in system migrations & conversions. Participated in 9 acquisitions ranging from a single US location to 14 sites in 11 countries. Author of numerous technical books, articles, presentations, and seminars globally.

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Featured Domains

Products

Customers

Suppliers

Equipment

Finance

Hierachies

Bills of Materials

Formula

Receipe

Routings

Pricelists

Custom

Products Information
Management

Products Information Management (PIM) enables you to keep a "Single Source of Truth" for all your Products data. It offers data quality solutions to "Get it Clean" and "Keep it Clean" of Products data. The flexible data governance workflow enables you to govern the Product's lifecycle from Onboarding to making additional changes in the most efficient manner. Lastly Product 360 is available to achieve insightful data around products and related transactions.

Why use Product
Information Management?

Realize the Zen of **Single Source of Truth**	**Clean and Complete** Product data ready for you	**ML simplifies** Attribution, minimal manual errors	**Simplify** Product Onboarding process
Improve **Product experience**	Sell more using **eCommerce**	Enhance **Supplier Collaboration**	Achieve the **80/20 rule**

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Management Illustrations

Data Quality process for Products: Get it Clean and Keep it Clean
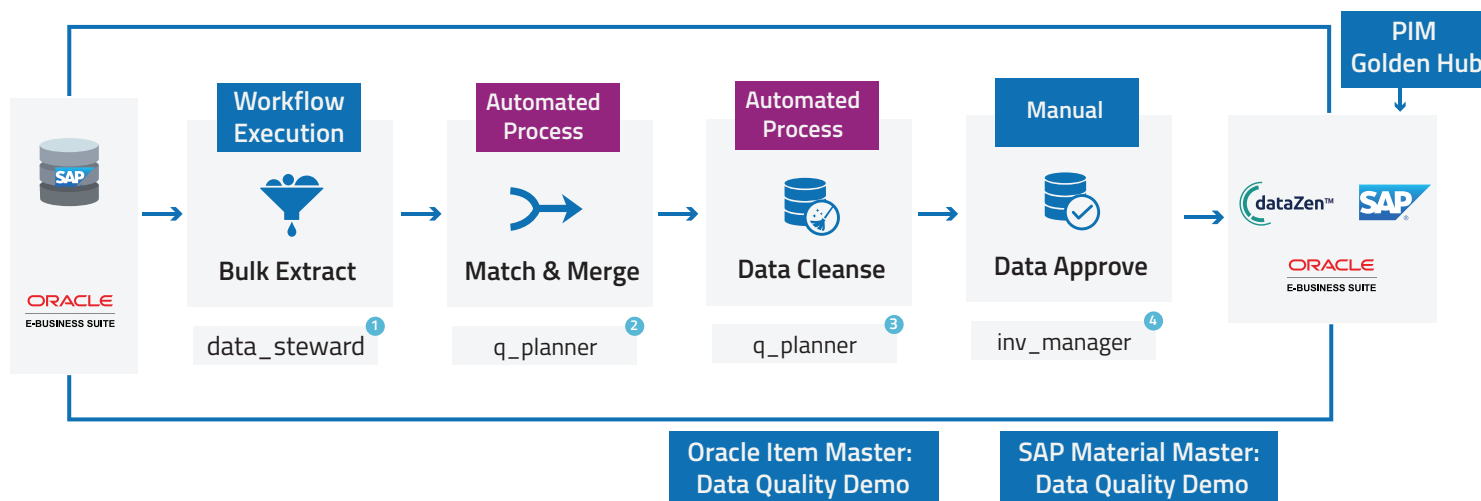
Problem1: Existing Customer data in SAP or Oracle or other enterprise applications are Bad. Need to cleanse and apply the changes back to enterprise Application.

Problem2: Migration of Legacy applications to the Modern Enterprise Applications. Part of this exercise would like to Consolidate, Cleanse and Standardize the Customer's and Partner's data and then migrate.

Problem3: After migration into the modern application, want a Single Source of truth using a clean Governance process for onboarding new prospects and customer accounts, and making changes to the complex customer data either small or bulk quantity easily. Enforce SLA for all activities and measure it. Want to keep the data always clean, setup active and passive governance policies to correct the problems with Human approval and sometimes automated as well.

ChainSys dataZen solves your data quality problems completely by applying advanced machine learning algorithms. Strong background data quality engine is the magic wand for your success. ChainSys has cleansed successfully data for major enterprises including: General Electric, Siemens, Expedia, Amazon, Canon, Agilent Technologies to name a few of the 500+ projects accomplished so far.

Our Goal is to create a "Clean Data Enterprise".

Screen Shots:

Match and Merge Review and Approve Workbench

Functional Dependency Profiling Results

Data Quality Workflow Configurations: It's really fun to work on this!!

Data Quality done in multiple simplified Bucketed steps to give you clean and complete data:

Data Governance process for Products:

Configure your Governance workflow with a simple drag and drop interface. Reduce the time for onboarding and improve the quality of data stewardship with achieving SLA, which is out of the box feature. A simple to complex workflow needs can be easily configured using the ChainSys Governance workflow engine. A clear reporting and notifications are provided to see the current status of each of your requests.
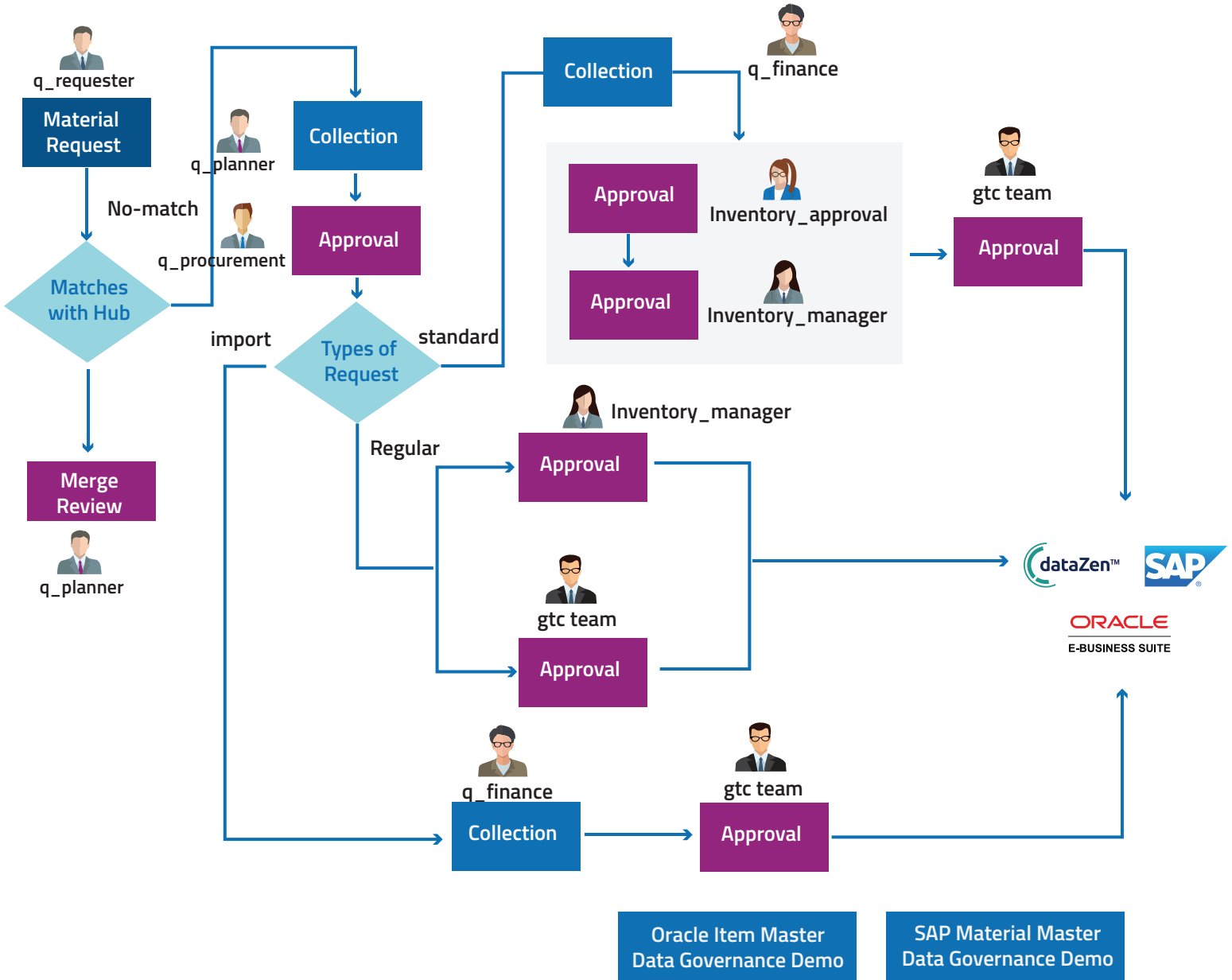
Screen Shots:

Notification screen for New, Modify Customer Requests, and Completed Requests.

Workflow Process Steps and Current Status:

Screen Configured using Standard Layout for Customer Master for Data Request / Stewards / Owners: Online Validations with Standard Rules and allows to Customize rules
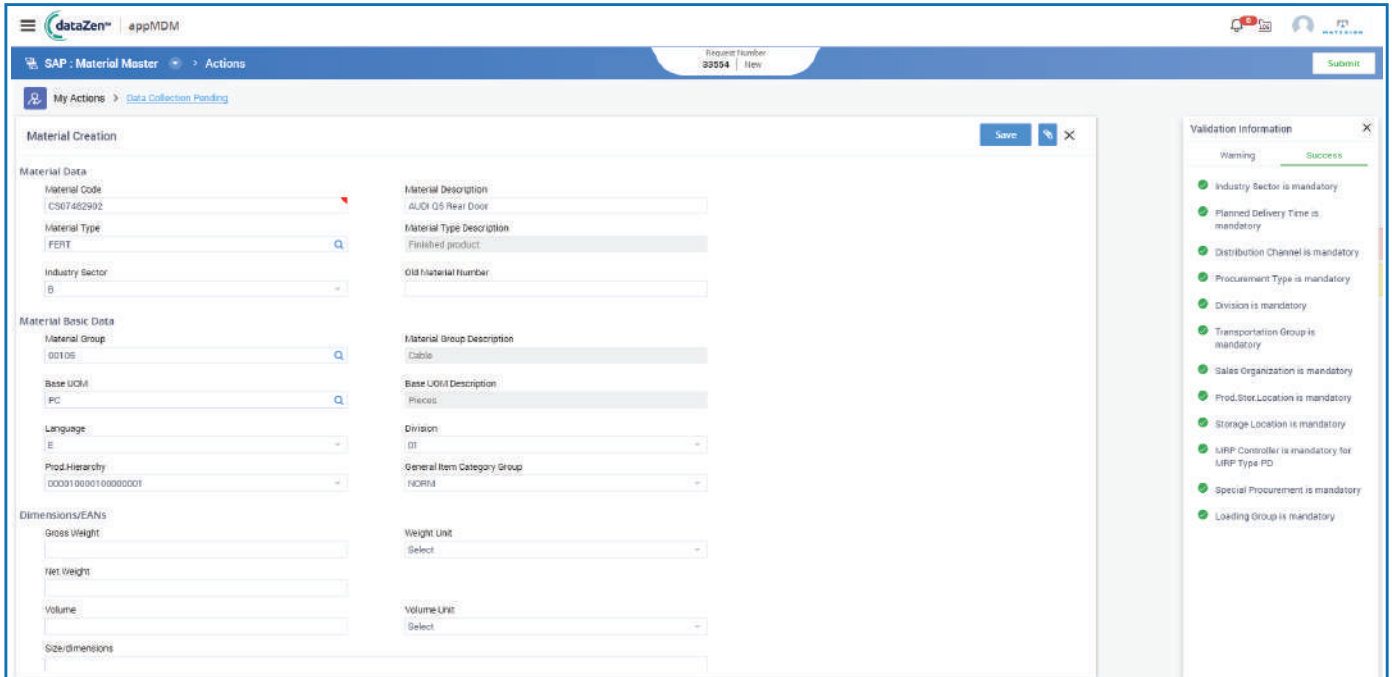
Data Governance Workflow Configurations: Its Finally Easy!!
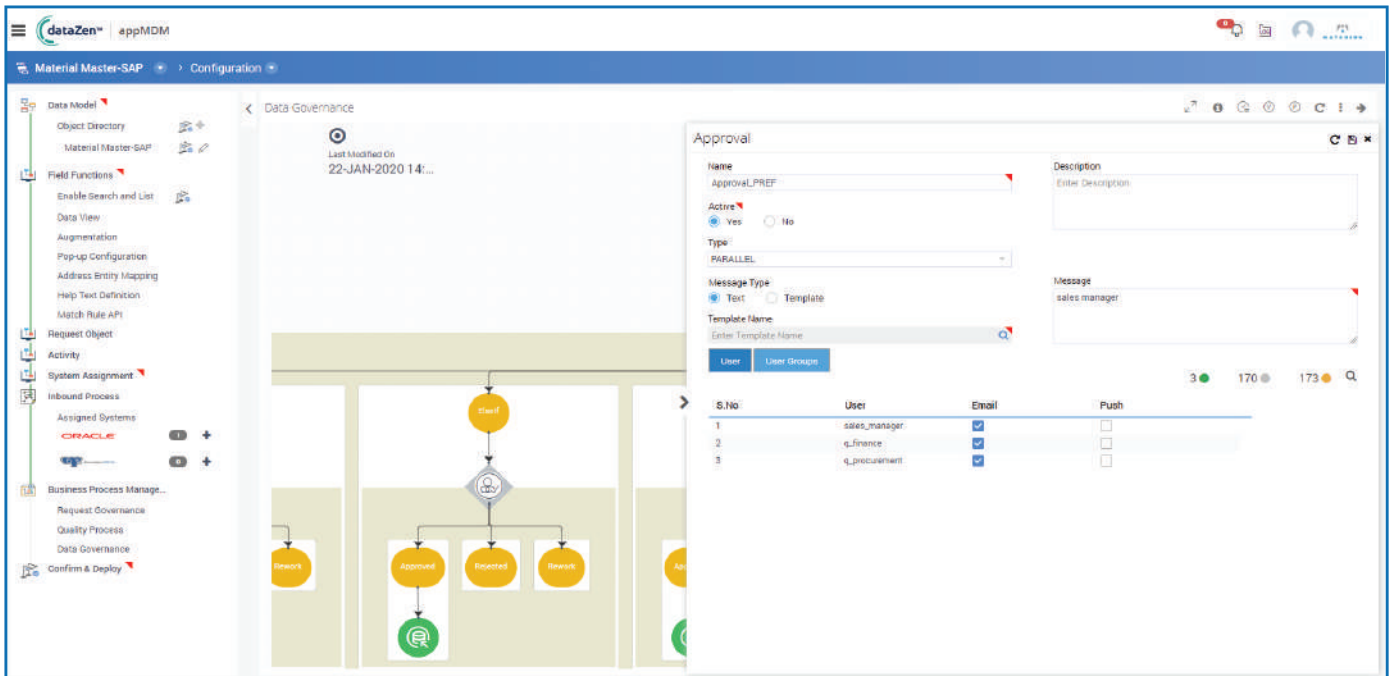
MDM Implementation Models:

dataZen support Registry, Consolidation, Co-existence and Centralized MDM models for implementations. Let's see which model applies when?

Registry
When you want to store only the unique columns from multiple systems for synchronization.

Consolidation
When you want to build an MDM model for Analytical purpose.

Co-Existence Model
When there is a need for Centralization plus De-centralization of data ownership and stewardship actions.

Centralized Model
When there is only need for centralization in data ownership and stewardship

Registry Model

Consolidation Model

Co-Existence Model

Centralized Model
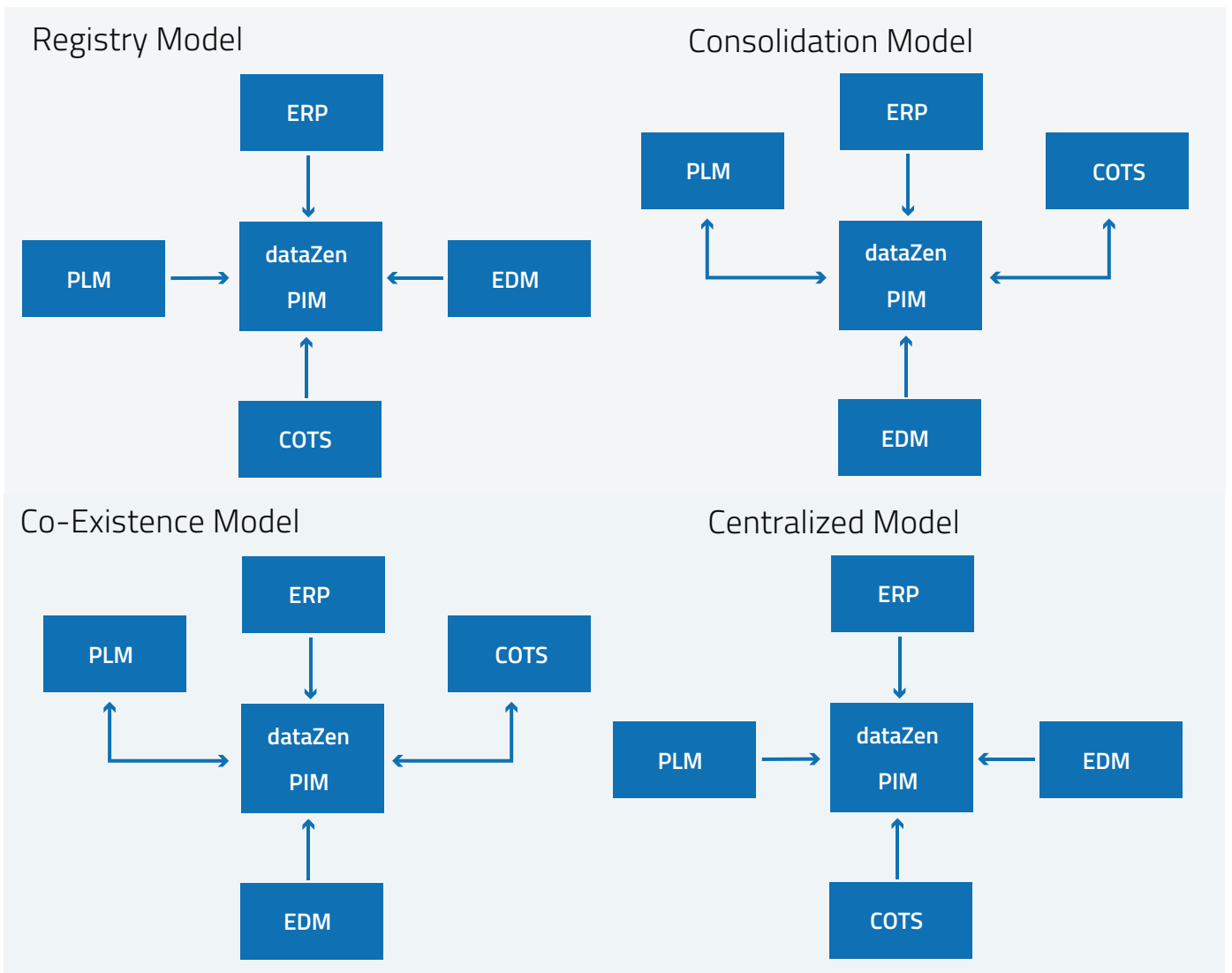
Roles within Product MDM

Its important to form a strong MDM team to create a strong Data driven organization. Here are some tips for the same. We will provide you more detailed recommendations during the implementation period.

Administrators	Business Users
Architect: Responsible for configuring the dataZen application to the requirements for Data Quality Rules, Governance Workflows and Integrations. Makes the changes in development, check-in the objects into the versioning tool, migrates the changes into the production instance of dataZen. Either IT or a Power User can take this role. **System Administrator**: Responsible for applying patches, shut-down, restart of the dataZen applications, backups, recovery etc. IT DBA's are generally given this role	**Data Requestors:** Responsible for requesting for new master products or modify existing products. **Data Stewards:** Responsible for collecting additional data required for completing the product attribution. Domain wise stewards would be great to have like Finance, Materials management, Sales, Manufacturing, Planning, Maintenance/MRO, Service, Self-service etc. **Data Owners:** Responsible for reviewing the actions performed by the requestors and stewards and approve or reject or send for rework against each request.

Customer Master Domain

Supplier Master Domain

Supported Endpoints (Partial)

Oracle Sales Cloud, Oracle Marketing Cloud, Oracle Engagement Cloud, Oracle CRM On Demand, SAP C/4HANA, SAP S/4HANA, SAP BW, SAP Concur, SAP SuccessFactors, Salesforce, Microsoft Dynamics 365, Workday, Infor Cloud, Procore, Planview Enterprise One	**Cloud Applications**
Oracle E-Business Suite, Oracle ERP Cloud, Oracle JD Edwards, Oracle PeopleSoft, SAP S/4HANA, SAP ECC, IBM Maximo, Workday, Microsoft Dynamics, Microsoft Dynamics GP, Microsoft Dynamics Nav, Microsoft Dynamics Ax, Smart ERP, Infor, BaaN, Mapics, BPICS	**Enterprise Applications**
Windchill PTC, Orale Agile PLM, Oracle PLM Cloud, Teamcenter, SAP PLM, SAP Hybris, SAP C/4HANA, Enovia, Proficy, Honeywell OptiVision, Salesforce Sales, Salesforce Marketing, Salesforce CPQ, Salesforce Service, Oracle Engagement Cloud, Oracle Sales Cloud, Oracle CPQ Cloud, Oracle Service Cloud, Oracle Marketing Cloud, Microsoft Dynamics CRM	**PLM, MES & CRM**
Oracle HCM Cloud, SAP SuccessFactors, Workday, ICON, SAP APO and IBP, Oracle Taleo, Oracle Demantra, Oracle ASCP, Steelwedge	**HCM & Supply Chain Planning**
Oracle Primavera, Oracle Unifier, SAP PM, Procore, Ecosys, Oracle EAM Cloud, Oracle Maintenance Cloud, JD Edwards EAM, IBM Maximo	**Project Management & EAM**
OneDrive, Box, SharePoint, File Transfer Protocol (FTP), Oracle Webcenter, Amazon S3	**Enterprise Storage Systems**
HIVE, Apache Impala, Apache Hbase, Snowflake, mongoDB, Elasticsearch, SAP HANA, Hadoop, Teradata, Oracle Database, Redshift, BigQuery	**Big Data**
mangoDB, Solr, CouchDB, Elasticsearch	**No SQL Databases**
PostgreSQL, Oracle Database, SAP HANA, SYBASE, DB2, SQL Server, MySQL, memsql	**Databases**
IBM MQ, Active MQ	**Message Broker**
Java, .Net, Oracle PaaS, Force.com, IBM, ChainSys Platform	**Development Platform**

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End to End Data Management needs

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Data Reconciliation
Data Integaration

dataZen™
Data Quality Management
Data Governance
Analytical MDM

dataZense™
Data Analytics
Data Catalog
Data Security & Compliance

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