MDX DATA MIGRATION

## REDUCE THE COST OF DATA MIGRATION UP TO 50%

Reliable and accurate Master Data is critical to the successful implementation and operation of applications such as SAP, Microsoft Dynamics, Oracle E-Business Suite, PeopleSoft, JDE, and Hyperion. Poor quality Master Data impacts almost every aspect of company operations; a sobering thought when analysts put the failure rate for data migration projects at more than 80%.

Master Data Exchange (MDX) is a comprehensive, software-as-a-service data migration platform that reduces the time, cost and risk associated with producing high quality Master Data for ERP Applications.

MDX provides management and coordination of the data migration process. The platform combines an integrated set of components with a unique repository and a process management engine.

The MDX environment is pre-configured for many business applications and contains an extensive set of rules to cleanse and transform Master Data irrespective of format or source.

MDX combines proprietary tools and a unique data repository that is tightly integrated with a proven methodology to significantly reduce the time and cost required to produce and maintain high-quality Master Data.
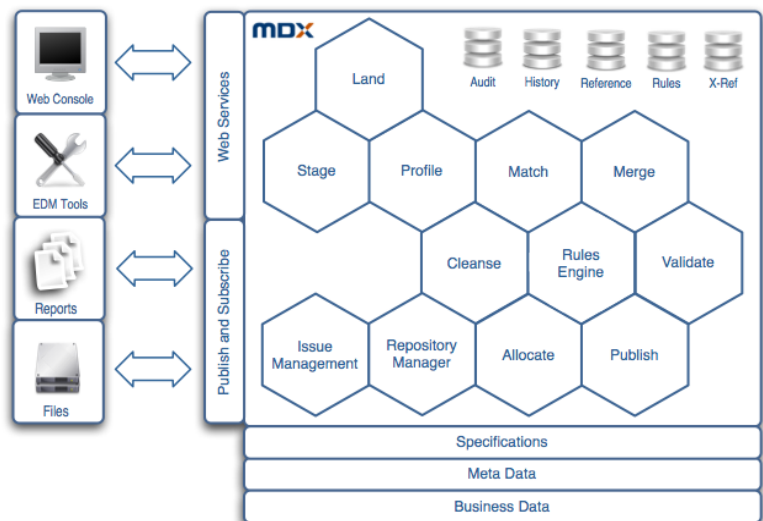
WHY USE MASTER DATA EXCHANGE?

Quality is a factor of time not technology. Master Data Exchange provides an efficient process to collaborate with business users to reduce the time required to validate data, provide input and request specification changes.

Trust comes from visibility. With Master Data Exchange services, every change to business data or specification is tracked and completely auditable.

Control of specifications, metadata and business data is managed by MDX in a version controlled repository. Impact analysis is automated and integrated with an Issue Management system.

Cost is reduced by up to 50%. MDX is provided as a service with no capital costs for hardware or software. MDX will shorten project time and optimize the use of business resources which further reduces project costs.

Proven Track Record with companies large and small; from multi-year, global implementations to small, mid-market upgrades.

Time to Value is reduced through the pre-configured environment for ERP Applications. There is no software or hardware to purchase or implement. MDX can be deployed for a new project within 24 hours.

With MDX's model (SaaS), proven methodology and flexibility makes it the precise tool for any data project no matter how small or large. Data projects including migrations, validations and governance (passive and active) MDX can be integrated very quickly at a minimal cost. Below is a list of processes that are used in conjunction with each other for any data project.

Data Profiling
MDX data profiling uses predefined queries to analyze source data stores to "discover" integration rules, including the creation of standardization tables, input to survivorship rules, identification of high value match fields and data cleansing requirements. Data profiling provides metrics that help quantify and qualify the time and resource required from both IT and the business users to integrate the data stores.

Source Data Landing
MDX can accept data from a variety of sources. Typically, files are landed via an FTP site where the MDX data acquisition facility automatically detects the file and processes it. MDX is configured to know which sources to expect and how often. Following the initial data load (IDL) of a source, MDX uses delta detection to process only those records that are either new or modified. Changes to source data are stored in the MDX source history tables for audit purposes.

Grouping
MDX loads any existing grouping information from the client to create baseline hierarchies. MDX uses the baseline hierarchies to derive grouping rules which are used to place ungrouped records. Records grouped by rules are presented to data stewards for validation via the web console or extract reports.

Data Standardization

After source data has been landed, it is standardized and cleansed using an extensive library of functions native to MDX. Cleansing functions include the standardization of domain values, parsing overloaded fields into discreet attributes and removing "noise". Data may also be passed through external cleansing engines (such as Trillium) to leverage existing cleansing logic. MDX stores the pre- and post-cleanse data for audit purposes. MDX uses the local Postal System's address standardization to ready the data for matching. AddressDoctor is used to validate and cleanse address information from more than 200 countries

Matching

Following standardization and cleansing, data is "tokenized" for matching. Tokenizing data increases matching accuracy by allowing for phonetic (soundex) and "fuzzy" matching patterns. Each record to be processed is matched against a master record (including the original source records that make up the master record). Multiple attributes may be used as criteria for matching. Matching is based on a set of sequenced rules. Suspect matches are presented to data stewards in a web console to manually adjudicate.

Merging and Survivorship

MDX will automatically consolidate records that have been matched using survivorship rules. Records that have conflicting attributes that cannot be resolved by survivorship rules are presented to data stewards in a web console. The data steward may specify which attributes are survived in the master record.

Master Data Model

The MDX master data model is completely extensible to cater for client specific data models. MDX leverages industry standard identifiers and data elements for matching and cross referencing where available. Mappings for common reference data, such as Dun and Bradstreet, are provided within the MDX model. In addition, MDX supports extended attributes for manually entered data.

Data Entry and Updates

MDX creates customized extracts for offline data validation and editing. MDX extracts are created as MS Excel files with embedded logic to control field validation, formatting and update privileges. Extracted files may be imported into MDX as source files and tracked through audit tables. Unwanted updated may be isolated and discarded as necessary using this process. Project management reports track outstanding updates by user and due date.

Product Audit Facility

MDX has a comprehensive auditing capability that tracks details of each processing step from landing through to consolidation, grouping and data edits. MDX provides a complete audit trail of pre- and post-cleansed data, triggered match rules, and data steward interventions. By tracking the lineage of consolidated records, erroneously merged records can be unmerged if necessary.

Query and Reporting

MDX provides comprehensive processing reports including:
Match / merge statistics
Exception reporting
File / record processing statistics
Data stewardship metrics

Data quality reporting identifies issues during integration of new sources and determination of matching rules. Interactive query capability provides lookup capability using "query by example" feature.

Data Publication

Master data may be published as a series of batch files or through a service-oriented architecture to support near real-time operations. Standard data extracts support integration of master data to internal customer systems including data warehouses, customer relationship management (CRM) and enterprise resource planning (ERP) systems. A cross-reference of source records is provided to identify duplicate records within and between source systems.