ChainSys

dataZap™

Data Zap For
Data & Setup
Migration

Why DataZap for Migrations?

- 2000+ pre-configured Templates
- Migrates Setups, Transactions, Code & History
- Supports any Cloud or On-prem application
- Robust data quality management
- Data mappings upto 80% complete
- Data transformations pre-loaded
- Pre-validate data and correct errors
- Archive or Purge data
- Scalable to High Volumes
- Flexible 'Pay to use' pricing model

Key Features

Reduce project timelines and costs by upto 50%

Predictable cutover in hours, not days

4-12 week deployment

80% Jumpstart Mapping

Reconciliation upto a 6-sigma confidence level

Migrate upto 1 billion records

30% reduction in comparative cost of ownership

Zero coding

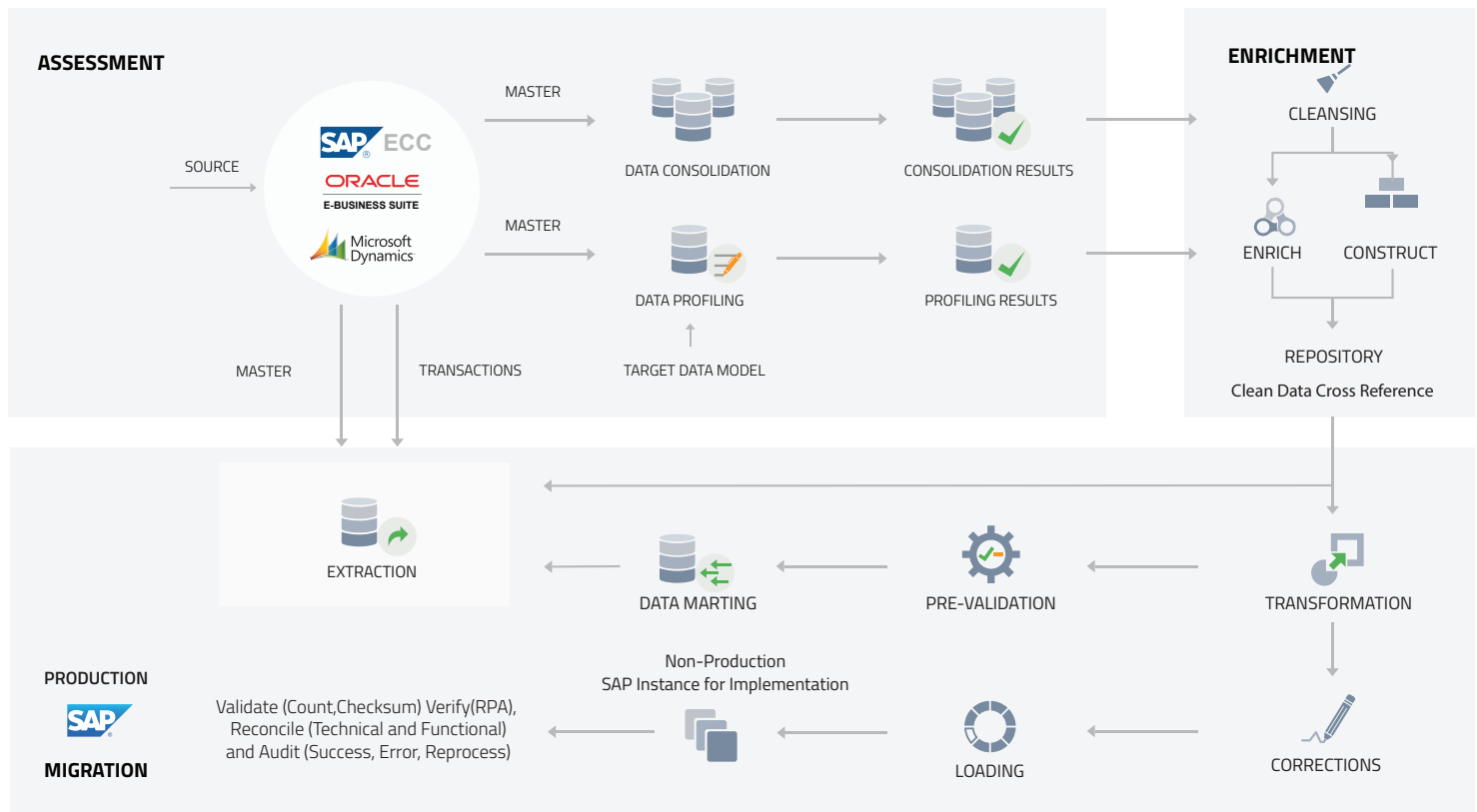Increased data quality

Secured data flow

Data hub for analytics

Migration Overview

Today's global economy requires business to be more capable, agile, and cost-conscious. Whether the needs for migration arise out of a recent acquisition, or to clean data to drive effective decision making, or from consolidations to standardize data across the enterprise, the methodologies and products deployed play a definitive role in the success (or failure) of a migration..

While the importance of data migration & quality of associated data are initially overlooked, their necessity and criticality become apparent at the later stages of an upgrade, migration, conversion or re-implementation.

Today's ROI demanding environment demands a robust, back-end based solution that is reliable, user-friendly, and one that is capable of delivering clean information to the right place at the right time.

Overview of a typical data/setup migration using dataZap

Supported Endpoints

Oracle eBS® 11i & R12

Oracle Cloud Applications

SAP® R/3, ECC6 & S/4HANA

Salesforce® (SFDC)

Workday

JDEdwards®

Peoplesoft®

Siebel®

Microsoft Dynamics®

PROCORE®

Any ERP

XLS, CSV, XML Data Sheets

dataZap™

Connection methods

Web Services/APIs/BAPIs

XML/SOAP

REST, JSON

OData

Webhooks

IoT (Machine data)

Database Level

File systems

dataZap Overview –

dataZap™ is a Cloud-based migration Platform that enables a configurable approach to data, setups & code migration, using **2000+ pre-configured templates, a no-programming approach, a built-in Data quality engine, and robust data reconciliation reporting.**

Here are some of dataZap's® top features:

- 2000+ pre-configured templates for transactions, Setups & Code migrations (Templates jumpstart extractions, mappings, transformations & loads)

- Supports 200+ Cloud & on-premise applications & ERPs

- Data Quality management features include profiling, pre-validation, consolidation, standardization & enrichment

- Reconcile data to a 6-sigma confidence level (pre-load and post-load reconciliations)

- Reduce cutover to a few hours using 'Change data capture' engines

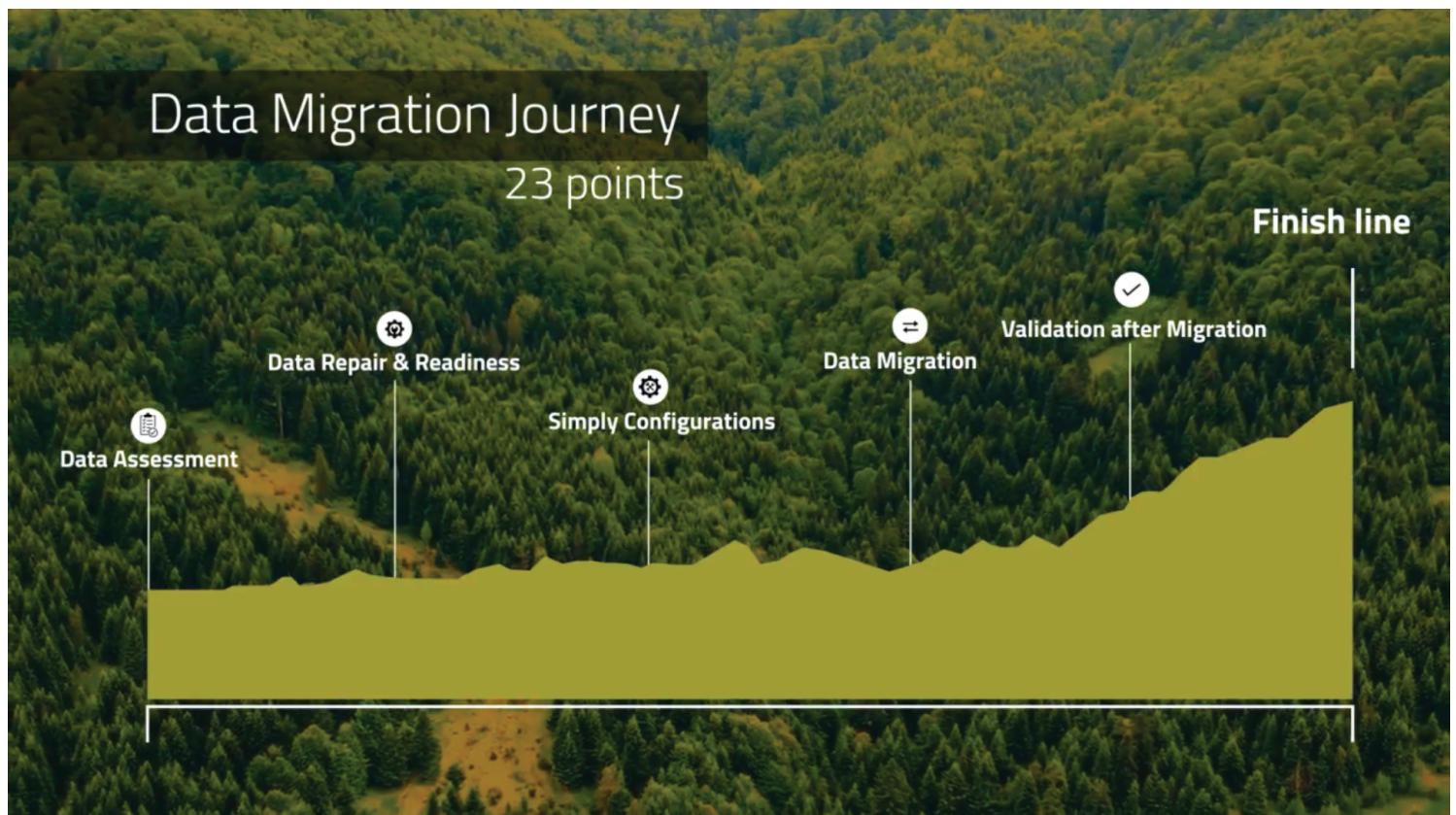- Fully cloud-based platform that enables plug & play usage

- Repeatable process using a designated "Gold Instance"

- Control of privileges at the organization/object/attribute level ensures data integrity

- Simplified front-end screens and a human-centric design

- Data encryption, data masking & industry standard security practices to **keep data safe in rest and in motion**

- **Scalable** upto 1 billion records.

Milestones for a successful migration journey

We asked ourselves what the closest sport analogy for a migration might be. The answer- a bike race. A la Tour de France, we'd say. The Tour de France, spread over 23 days, is the ultimate test of a biker's resilience, patience & skill. A migration is a long journey, and is often a race against time. We came up with 23 checkpoints which will help you get over the hills, speed across valleys and earn your yellow jersey!

Data Migration Journey
23 points

Finish line

Data Repair & Readiness

Simply Configurations

Data Migration

Validation after Migration

Data Assessment

edit 'simply configurations' to 'Simple configurations' above. A migration journey should ideally consist of 23 checkpoints, spread across 5 major kill points.

Data Assessment

The first milestone for a successful migration is assessing your data environment. An understanding of how much data there is, where the data is located, the quality of data, and an outlook for its future state are critical. Data Assessment should include the 4 checkpoints below:

- Data profiling
- Data archival profiling
- Data quality profiling
- Functional dependency checks

Data Repair & Readiness

Once you've gained an understanding of the current & future state of your data & setups, you begin with performing repairs to get it migration ready. Make sure you hit the 6 data quality stops on the road to getting your data ready:

- Data Validation
- Data consolidation + Match & merge
- Data standardization
- Data enrichment
- Data cleansing
- Data governance

Data Migration

Profiled & cleaned, data is ready to make its move to the target. 5 checkpoints over the course of a migration are advised to ensure the data safely gets to where it belongs. They are:

- Data extraction
- Pre-validation
- Data enrichment
- Pre-load reconciliation
- Business review & approval
- Data loading

Validation

The data is now safe, but the migration is far from over. Validate your migration with by performing:

- Post-load reconciliation
- Automated testing & Sanity checks

Simply Configure

A biker can almost never win even a leg of the tour de france without the help of his team. Here are the tools you ought to have to ensure your migrations are ably assisted:

- Pre-configured extraction adapter
- Pre-configured load adapter
- Business validation & Transformation rules
- 'Data flow' - building block of a dataZap migration
- 'Migration flow' - a collection of 'data flows' running in parallel
- Reconciliations

Get to the Finish

You get your 'yellow jersey' when you can say you have

- Clean & complete data migrated
- Reduced cutover timelines
- Delivered in a fraction of time & cost

Key Differentiator – dataZap® Data Flow & Process Flow

Data flow - The building block of a dataZap Integration

A 'data flow', in simple terms, is a container that holds extraction, transformation, mapping, pre-validation, & loading information for a data element. For example, an Item/Material 'data flow' will have all the relevant information needed to move it from source to target, with referential integrity. 'Data flows' provide an 80% jumpstart to migrations.

Components like 'Extracts', 'Loaders', and 'Transformations' can be added to a 'data flow' using simple drag and drop functions. Transformations and Validations can be published as 'TAPIs' (Transformation APIs), 'VAPIs' (Validation APIs), or SOAP/REST services, which can be consumed by any third-party application or tool.

Migration flow - A collection of 'data flows'

Organizations are able to manage complex migrations by creating a chain of 'data flows', known as a 'Migration flow'. 'Migration flows' enable scalability, high performance, and intelligent sequencing of data and setup elements during projects. 'Migration flows' are created using drag & drop functions, and can be configured to add conditions, rules, constructs and more.

Supported Endpoints - A partial list

Databases RDBMS	SAP HANA	ORACLE DATABASE	PostgreSQL	Microsoft SQL Server · SYBASE
Enterprises Applications	ORACLE E-BUSINESS SUITE · ORACLE JD EDWARDS · ORACLE PEOPLESOFT · ORACLE AGILE PLM · ORACLE PRIMAVERA UNIFER			
	SAP ECC · SAP S/4 HANA · Microsoft Dynamics · IBM maximo			
Cloud Applications	ORACLE ERP CLOUD · ORACLE CPQ CLOUD · ORACLE SALES CLOUD · ORACLE MARKETING CLOUD · ORACLE CRM ON DEMAND			
	SAP C/4HANA · SAP SuccessFactors · salesforce · workday · Microsoft Dynamics 365			
Big Data Lake	HIVE · snowflake · APACHE HBASE			
No SQL Database	mongoDB · elasticsearch · Solr · CouchDB			
Enterprises Storage Systems	OneDrive · box · S · FTP · ORACLE WEBCENTER			
Message Broker	IBM MQ · Apache ACTIVE MQ			

dataZap's template library has over 2000 templates, with relevant extraction, transformation, loading information, that provides an 80% jumpstart to migrations.

About Chainsys

A Data Management innovator since 1998, best known for its Smart Data Suite of Data Management Tools, Chain-Sys is a leader in the data migration, integration & MDM areas. Chain-sys has successfully deployed its Smart Data Suite in several Fortune 500 companies worldwide, and continues to grow and innovate rapidly. Headquartered in Lansing, MI, and spread across 5 continents, Chain-Sys prides itself on its **Product, Process & People** which constantly push the envelope on innovation & creativity.

**For Case studies, references or a FREE Proof of Concept Demonstration,
Visit us at chainsys.com/datazap**

For More Information, Visit:
http://www.chainsys.com/datazap

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One Platform for your

End to End Data Management needs

Smart Data Platform™

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Data Migration
Data Reconciliation
Data Integaration

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Data Quality Management
Data Governance
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