

Lessons learned from non-SAP ERP applications to SAP S/4 HANA Data Migrations

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Agenda



Key Outcomes and Objectives



Digital Transformation – S/4 HANA



Customer Case Studies



non-SAP Applications to SAP – Migration Challenges



Data Migration Architecture



About Chainsys Corporation



Questions and Answers

Key Outcomes and Objectives



1

Need for SAP S/4 HANA -
Digital Transformation

2

Understanding non-SAP to SAP
Data Migration Use cases

3

Understanding the Data
Migration Challenges

4

Understanding Data Migration
Architecture for non-SAP applications

Why we need to move to SAP S/4 HANA



SAP will discontinue the mainstream maintenance after 2027 for SAP Business Suite 7

SAP S/4 HANA platform's technical innovations including embedded analytics

Realtime Supply Chain and Predictive MRP

Consolidating all existing ERP and other enterprise applications

Case Study 1 – Acquisition – Oracle EBS to SAP

Industrial Manufacturing company
(Transformers, generators, gas turbines,
steam turbines and compressors)

acquired

A leading supplier of Oil and Gas,
process, power and other industries
related to energy infrastructure.

55+ Migration objects :

- Finance and controlling
- Materials Management
- Production Planning
- Plant Maintenance
- Quality Management
- Sales & Distribution
- Project Systems

Case Study 2 – Divestiture – JD Edwards to SAP

A leading pharmaceutical company
(Scientific instrumentation, reagents and
consumables, and software services)

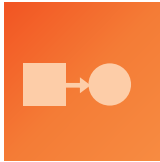
divested


Cancer diagnostics company


46+ Migration objects :

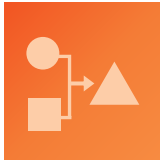
- Finance and controlling
- Materials Management
- Production Planning
- Plant Maintenance
- Quality Management
- Sales & Distribution
- Project Systems

Non-SAP to SAP Migrations

 Transforming Square peg into Round

 Transforming Round hole to Square

 Transforming Both to a Hexagon

 Transforming both to a polygon with more sides

**Pre-built
Adaptors**



Common Data Migration Challenges

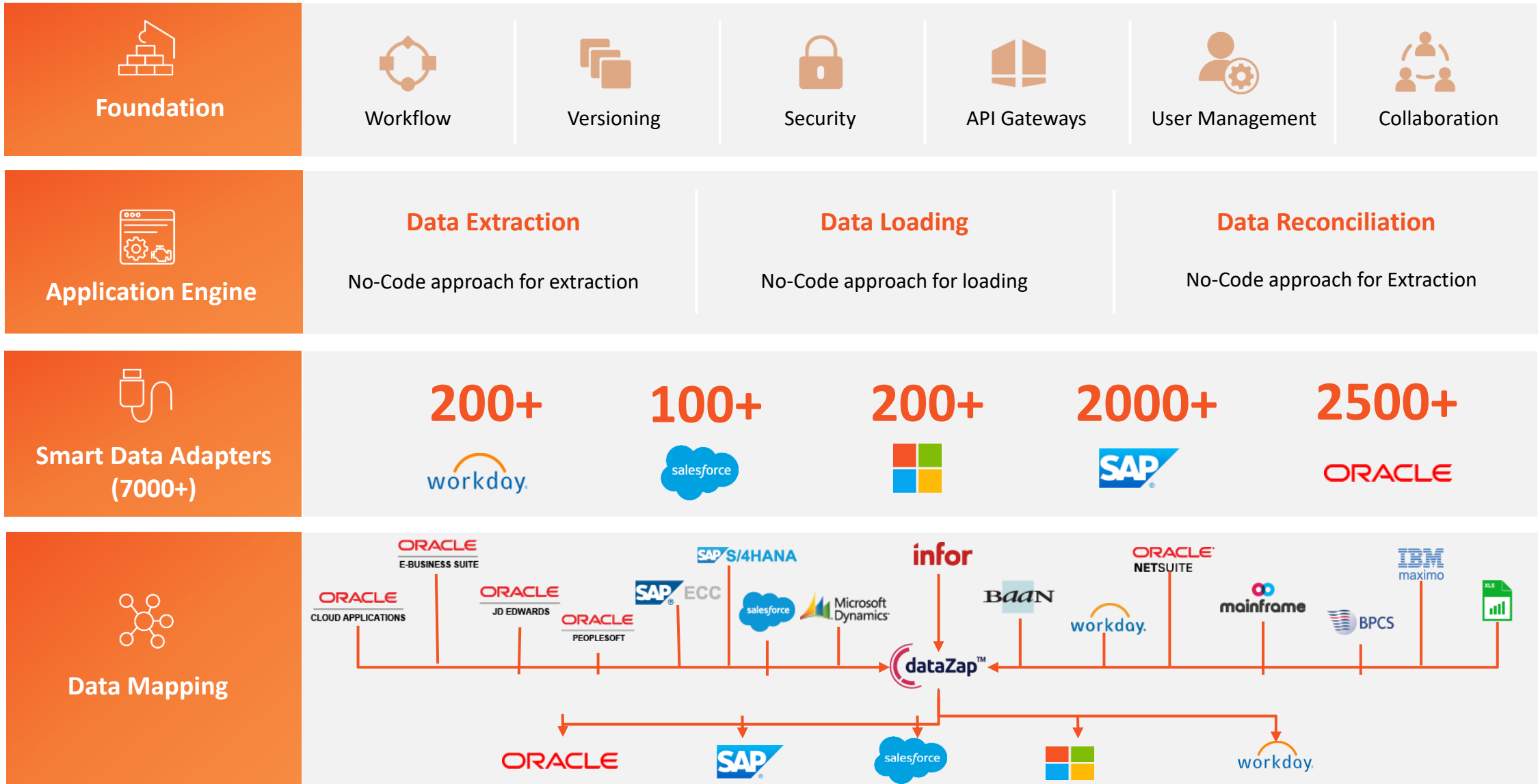


Mapping Challenges	Extraction Challenges	Transformation Challenges	Loading Challenges	Validation Challenges
<ul style="list-style-type: none">▪ Business Process Mapping▪ Migration Object mapping▪ Physical and Logical mapping▪ Cross-reference Data Mapping	<ul style="list-style-type: none">▪ Huge data Volume▪ Long text▪ Attachments	<ul style="list-style-type: none">▪ Posting Documents - Line-item limitations▪ Length Constraints▪ Unit of measure	<ul style="list-style-type: none">▪ Huge Data Volume▪ Cut-over window▪ Delta load	<ul style="list-style-type: none">▪ Data Reconciliation Pre and Post data loading▪ Reconciliation Reports▪ Integration Testing

How we helped our Customers to save Time and Cost

Data Assessment & Profiling	Cleanse, Match & Merge	Extract	Stage & Pre-validate	Map & Transform	Pre-Load Reconciliation	Post-Load Reconciliation
<ul style="list-style-type: none"> Assess data's current state Identify corrupt data Out-of-the-box profiling of source systems 	<ul style="list-style-type: none"> Eliminate duplicates Identify close matches Correct data errors for incomplete, obsolete data 	<ul style="list-style-type: none"> Automated extracts Structured or unstructured data Add extract filters 	<ul style="list-style-type: none"> Business Validations Iterative cleansing Bulk error corrections Data Validations Application Validations 	<ul style="list-style-type: none"> Physical Mapping Logical Mapping Covers custom tables & fields X-Reference capability 	<ul style="list-style-type: none"> Compare Source data with transformed data in dataZap 'Data Mart' Spot discrepancies early 	<ul style="list-style-type: none"> Load in Parallel or Serial Clustering & Load balance Multiple JVM Process multiple threads Post-load recon dashboards Easily compare source-target mismatches
% of Time Saved using the ChainSys Smart Data Platform						
20%	30%	25%	25%	15%	30%	35%

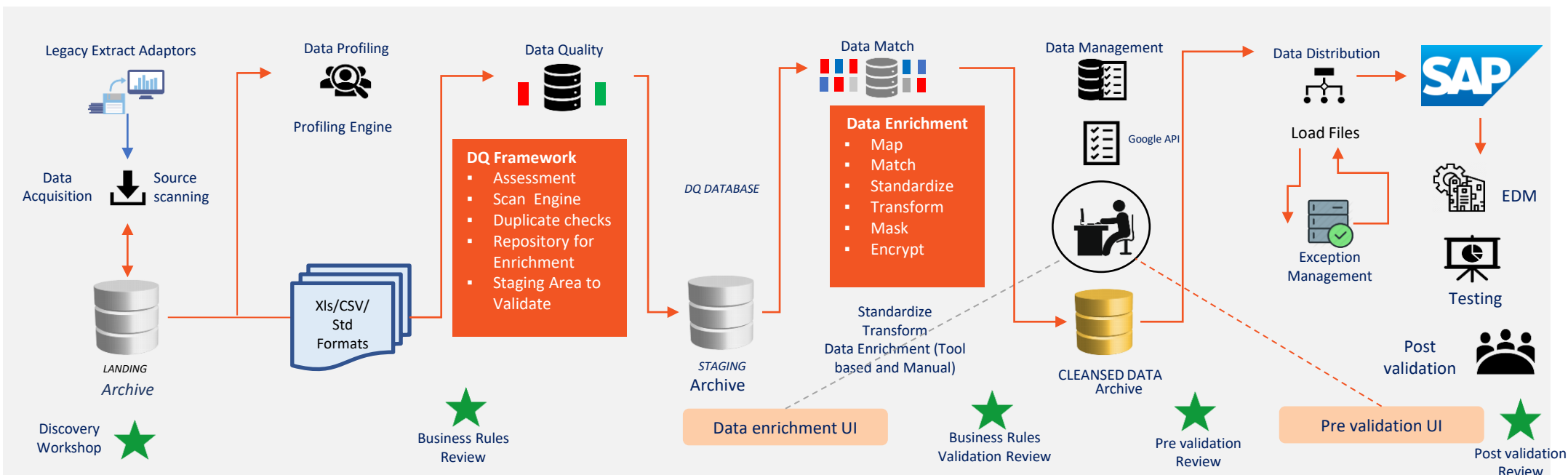
No-Code Product Offerings at Four Levels



Enterprise Data Migration Approach



- Source Applications
 - Oracle Cloud
 - Oracle EBS
 - Peoplesoft
 - SAP
 - JD Edwards
- CSV/Excel & Standard Flat files
- Other Systems



Smart Values

- No coding Platform. Easily Configure.
- Single platform for Setup/Data Migration, Governance, Enrichment & Archiving
- Pre-load and post-load validation via UI
- Reconciliation Dash-Boards & Reports**
- Reduced cutover time
- Save 30-40% of time and cost

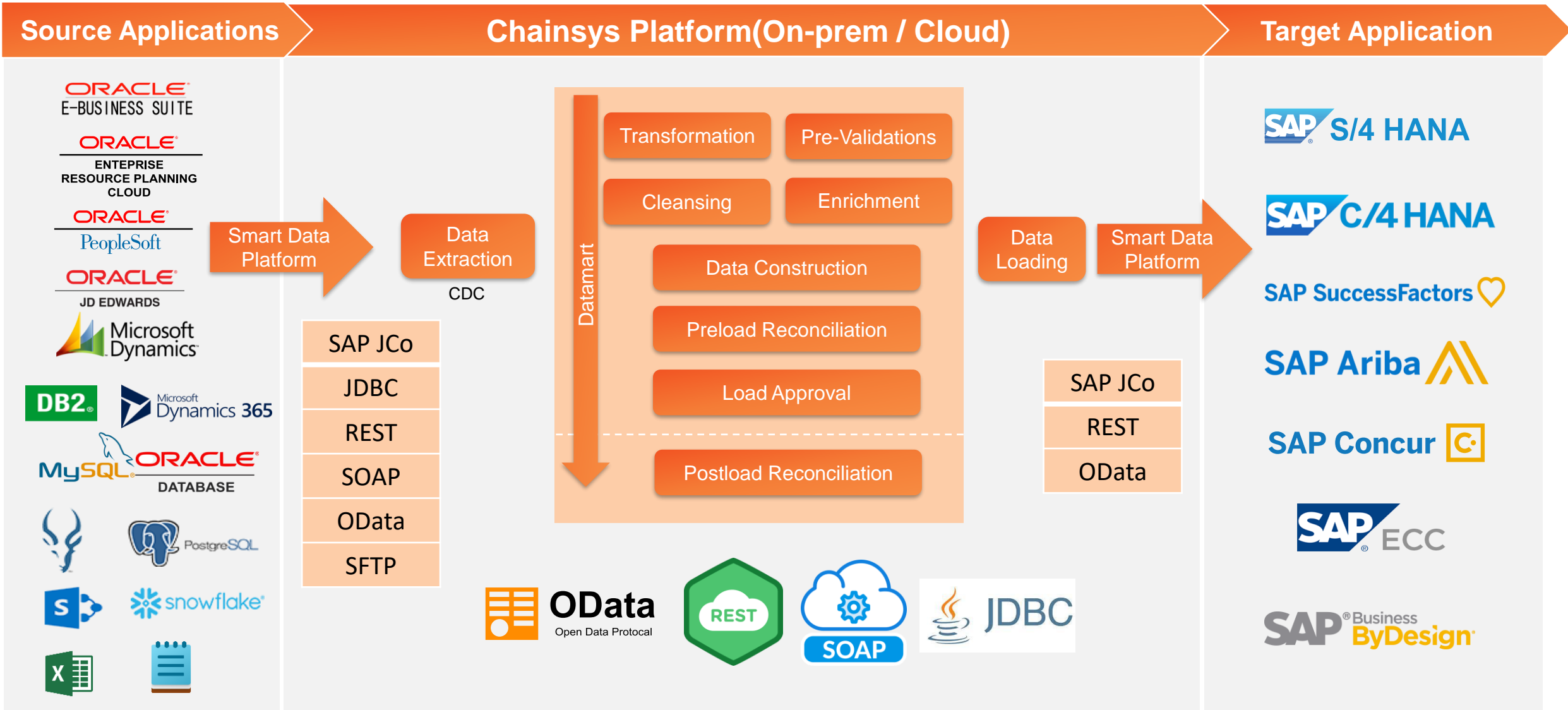
Smart Features

- GDPR, Sox Audit and Compliant.
- Oracle and SAP Certified Platform.**
- Role Based Access for Data Security
- Both On-Premise and On-Cloud
- Collaborative Platform
- Autonomous Cut Over
- Robust data quality algorithms**

Business Reconciliation Dash-Boards & Reports

Smart Features

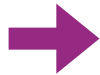
Migration Architecture



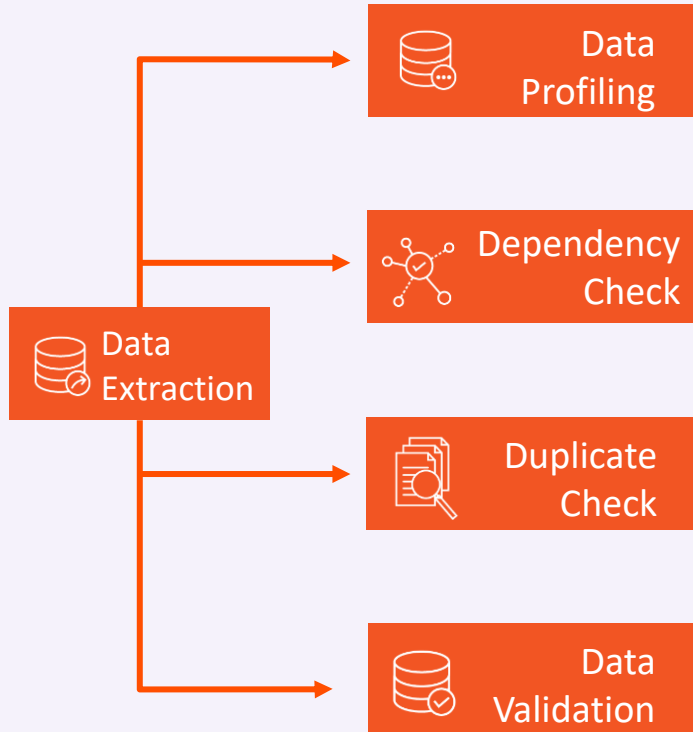
Chainsys Platform - Endpoint Connectors

Databases - RDBMS	Enterprise Applications	Cloud Applications	Big Data Lake	Enterprise Storage System		
PostgreSQL ORACLE DATABASE Microsoft SQL Server DB2 SYBASE SAP HANA MySQL Amazon Aurora	ORACLE E-BUSINESS SUITE SAP ECC ORACLE JD EDWARDS SAP S/4HANA ORACLE PEOPLE SOFT ORACLE AGILE PLM Microsoft Dynamics ORACLE PRIMAVERA UNIFIER ORACLE PRIMAVERA P6 IBM MAXIMO e-chain	ORACLE Oracle ERP Cloud ORACLE NetSuite workday. PROCORE salesforce CONCUR ORACLE CPQ Cloud SAP Ariba ORACLE SALES CLOUD SAP C/4 HANA SAP Business ByDesign SAP SuccessFactors Microsoft Dynamics 365 ORACLE MARKETING CLOUD SAP SuccessFactors ORACLE CRM ON DEMAND ORACLE SERVICE CLOUD dun & bradstreet Planview Enterprise One servicenow	HIVE Google Big Query Azure Data Lake APACHE HBASE <th data-bbox="1640 743 2066 875">NoSQL Databases</th> mongoDB Solr Apache CouchDB relax	NoSQL Databases	OneDrive OneDrive box Google Drive Amazon S3 FTP ORACLE WEBCENTER <th data-bbox="2091 868 2494 996">Message Broker</th> IBM MQ Apache ACTIVEMQ	Message Broker

Application End Points



ChainSys Platform



Data Profiling

- Identifies the source data structure and interrelationships
- Determines the Consistency and Completeness of the source data
- Identifies Potential data Quality Issues

Functional Dependency Check

- Identifies all the Open transactions and available valid downstream objects.

Duplicate Check

- Identifies the Intended and Unintended duplicate records for a given criteria(A group columns) based on Accurate and Approximate rule sets using automated match algorithms

Data Validation

- Validates the source data against a target environment or standard business rules

About ChainSys



Global Headquarters
in Lansing, MI
Est: 1998

900+ Professionals
Worldwide

Hub & Spoke
Architecture

50+ Support
Engagements

Manage Your Data



350+ Customers
Worldwide

PLACE



PEOPLE



PROCESS



PROJECTS



PRODUCTS



PARTNERSHIP



APAC headquarters
in Chennai, India
Est: 2001

400+ Data Experts
Worldwide

Data Management
Accelerators with
7000+ Templates

500+ Data
Management
Projects Worldwide

Manage Your Business



Referral
Customers

Partnership & Certifications



Technology



Foundation

Security

Authentication /
Authorization /
Crypto

User Management

User / Groups
Roles /
Responsibility
Access Manager

Base Component

Workflow
Versioning
Notification
Logging
Scheduler
Object Manager

Gateway Component

API Gateway

Smart Data Platform

dataZap

Data Migration
Data Reconciliation
Data Integration

- Data Migration
- Setup Migration
- Test data Prep
- Big Data Ingestion
- Data Archival
- Data Reconciliation
- Data Integration
- Mass Data Loading

dataZen

Data Quality Management
Data Governance
Analytical MDM

- Data Quality Management
- Master Data Governance
- Analytical MDM (Customer 360, Supplier 360, Product 360)

dataZense

Data Analytics
Data Catalog
Data Security & Compliance

- Data Masking
- Data Compliance (PII, GDPR, CCPA, OIIO)
- Data Cataloging
- Data Analytics
- Data Visualization

Smart Business Platform

Smart BOTS™

Smart BOTS is a BPA (Business process automation) and QA automation tool for any application.

- Used for Autonomous Regression Testing
- Used for Load and Performance Testing

Smart App Builder™

SmartChainSys PaaS makes Application Development Simplified and Affordable.
Low / No Code Automation Platform for creating any application.

- Rapid Application Development (RAD) Framework
- Visual Development Approach
- Drag and Drop Design Tools
- Functional Components into Visual Workflow
- appAUGMENTER



- **50+ endpoint Applications supported**
- **Ready to use mappings available to seamlessly map data between various Applications**
- **Pre-configured extraction & load adaptors available**
- Flexible connection methods supported
- No coding required
- Built-in transformation capability
- **Ready to use pre-validations**
- Single sign on capability
- Access control and User Management
- Business User Friendly
- ChainSys lineage of 23+ years of Product Innovation
- 24x7 Support via ChainSys Support Portal

Questions?

For questions after this session, contact us at priyar.s@chainsys.com and webdemorequest@chainsys.com

Please visit our website for more details
<https://www.chainsys.com/>

Thank you.

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Appendix

Whitepapers, Case Studies & Demos - dataZap

Whitepapers

[Technical Architecture](#)

[Frequently Asked Questions](#)

[List of Oracle Cloud Data Adapters](#)

[List of Oracle Cloud Setup Adapters](#)

[List of Oracle eBS Data Adapters](#)

[List of Oracle eBS Setup Adapters](#)

[List of SAP ECC Adapters](#)

[List of SAP S/4HANA Adapters](#)

Case Studies

[World's largest e-commerce website automates Setup migration w dataZap](#)

[How an Engineering Leader Created a cutting-edge CRM Experience](#)

[Enterprise Data Management for 40+ applications](#)

Demonstrations

[Oracle Data & Setup Migration demonstrations](#)

[Data Integration Demos](#)

[SAP Data Migration Demos](#)

[Mass Data Loading Demos](#)

[Data Reconciliation Demos](#)

The Enterprise Data Management Context Diagram

