



Mastering Data Migration to S/4HANA

Unpacking challenges and lessons from SAP ECC
and Non-SAP Transitions

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March 15, 2024

Agenda

1 S/4 HANA Digital Transformation - Introduction

2 Case Studies

3 Challenges in S/4 HANA Data migration

4 Our data management expertise

5 Questions



S/4 HANA Digital Transformation - Introduction

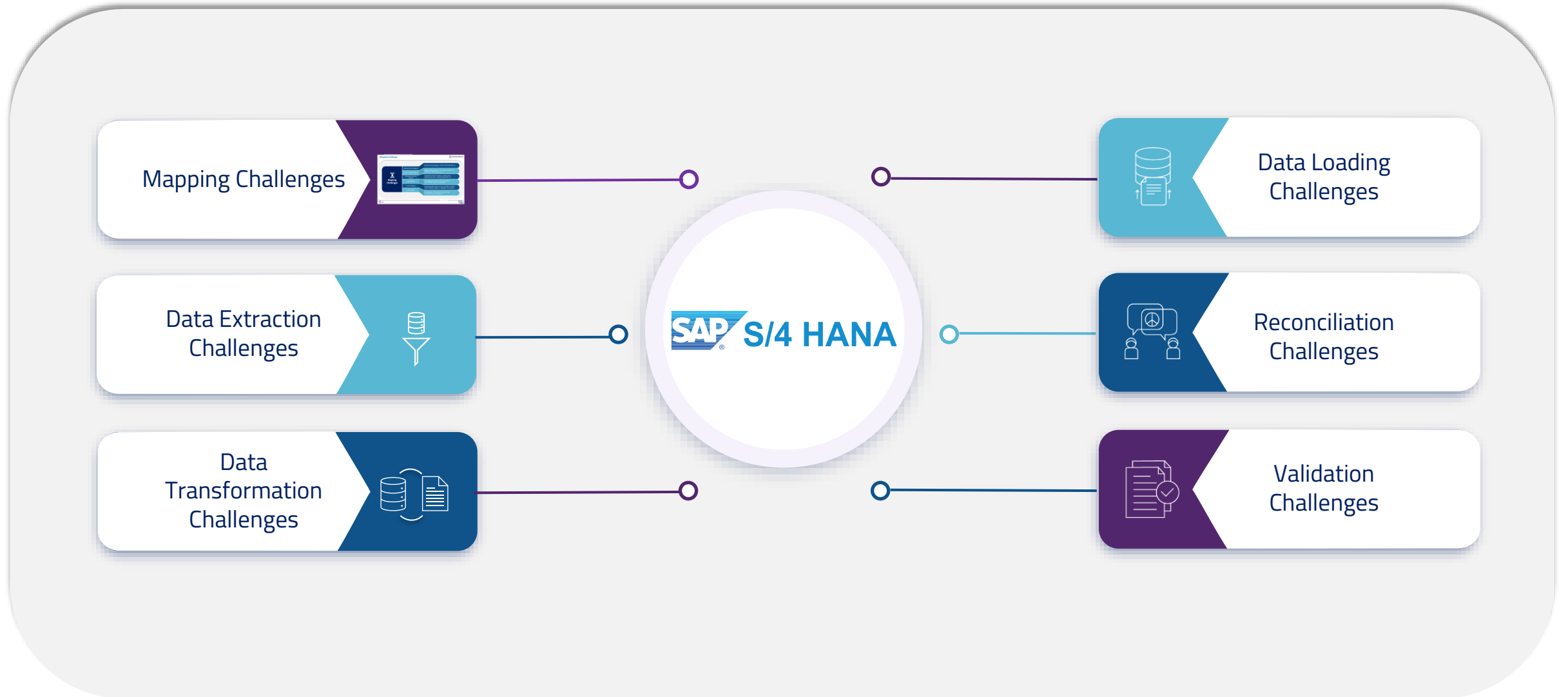
Are you ready for S/4 HANA Data migration?

- Identifying and understanding the source applications
- Identifying the business process and objects
- Understanding the data volume
- Understanding the data quality
- Understanding the customizations

What are the key factors to be considered before moving to S/4 HANA?

- SAP S/4 HANA Cloud (Private/public) vs on-premise
- Implementation strategy (Greenfield, Brownfield, Hybrid)
- Business process optimization
- Maintaining clean data
- Moving customizations

<p>Endpoints and the Customer industry</p>	<p>One of the leading food production companies headquartered in the United Arab Emirates</p>	<p>A US-based company specializing in precision diagnostics for cancer on a global scale</p>	<p>One of the top automobile manufacturers headquartered in India</p>	<p>One of the leading automobile manufacturers with its headquarters in Japan</p>
<p>Source Applications</p>	<p>ORACLE E-BUSINESS SUITE</p> <p></p>	<p>ORACLE E-BUSINESS SUITE</p>	<p>SAP ECC MAPICS, BPCS, AS 400</p> <p>ORACLE JD EDWARDS</p>	<p>SAP ECC Quality Information System(QIS)</p>
<p>ChainSys Smart data platform Components</p>	<p> </p>	<p> </p>	<p> </p>	<p> </p>
<p>Target applications</p>	<p>SAP S/4 HANA</p>	<p>SAP S/4 HANA</p>	<p>SAP S/4 HANA</p>	<p>SAP S/4 HANA</p>





Mapping Challenges

Business Process Mapping

Business Process Mapping - PTP,OTC, RTR, MTS, MTO, etc.

Business Object Mapping

Migration Object mapping - PIR – Approved supplier list, WorkCentre - BOM resources, etc.

Organization Structure Mapping

Organization structure mapping - Company code- Operating Unit, Plant- Inventory Organization, etc.

Table Mapping

Ex: Mapping SAP material master table MARA to MTL_SYSTEM_ITEMS_B in Oracle EBS

Column Mapping









Ex: Mapping SAP material number from MARA – MATNR to MTL_SYSTEM_ITEMS_B – SEGMENT1 in Oracle EBS

Value Mapping

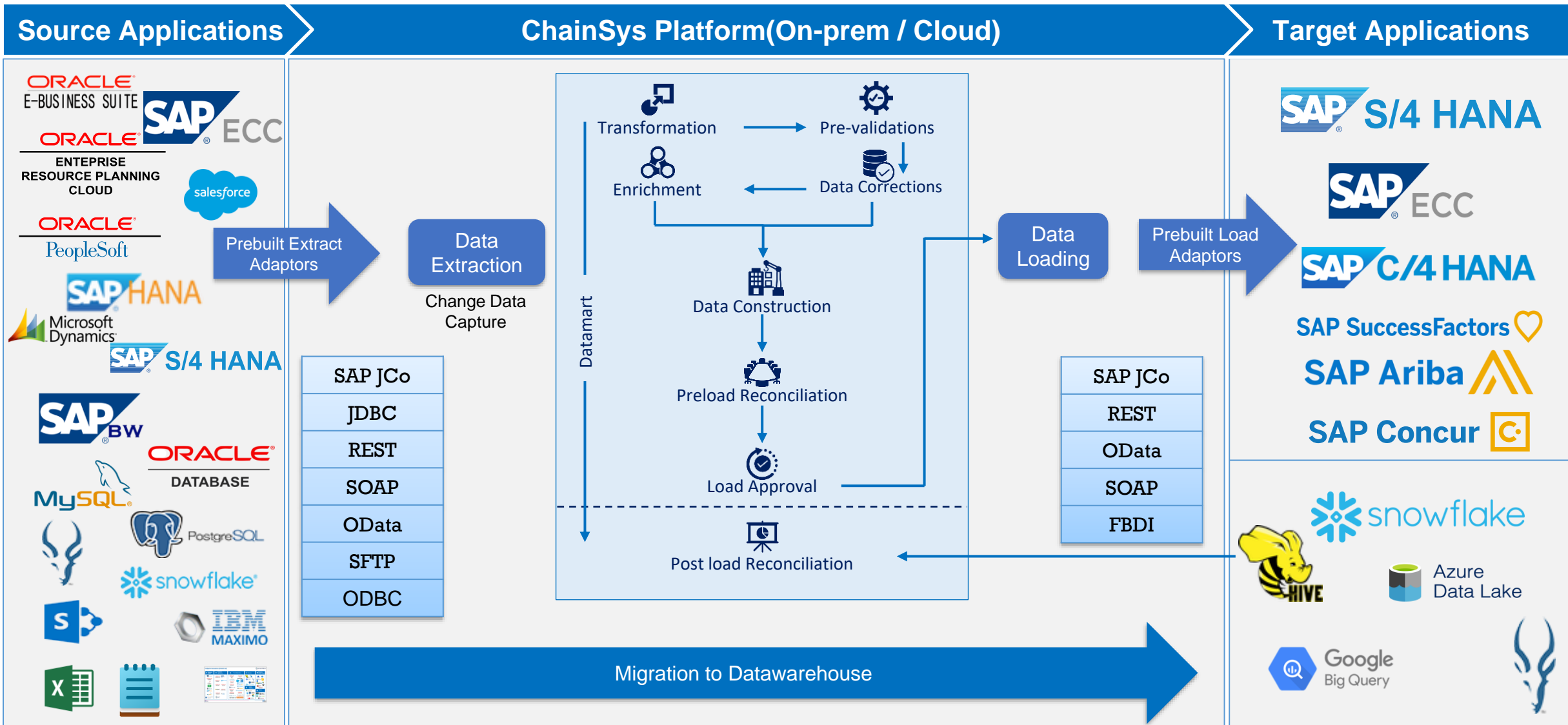
Data Mapping - Unit of measure, Material Type, Procurement Type, MRP type, etc.



How we helped our Customers to save Time and Cost

Data Assessment & Profiling	Extract	Cleanse, Match & Merge	Pre-validate	Map & Transform	Pre-Load Reconciliation	Post-Load Reconciliation
 <ul style="list-style-type: none"> ▪ Potential data quality issues ▪ Data structure and interrelationships ▪ Potential duplicates 	 <ul style="list-style-type: none"> ▪ Prebuilt extract adaptors ▪ Structured or unstructured data ▪ Schedulable 	 <ul style="list-style-type: none"> ▪ Eliminate duplicates ▪ Identify close matches ▪ Correct data errors for incomplete, obsolete data 	 <ul style="list-style-type: none"> ▪ Data/application validations ▪ Business/Custom Validations ▪ Online/offline error corrections ▪ Bulk error corrections 	 <ul style="list-style-type: none"> ▪ Physical Mapping ▪ Logical Mapping ▪ Cross 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"> ▪ Compare transformed data with Target data ▪ Post-load recon dashboards ▪ Discrepancies are highlighted
Percentage of Time Saved using the ChainSys Smart Data Platform 						
20-25%	25-30%	30-35%	30-35%	30-35%	30-35%	30-35%

Data Migration/Integration Approach



Smart Data Management – Applications and Components

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
- 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



Endpoint Connectors (Partial List)

Databases - RDBMS	Enterprise Applications	Cloud Applications	Big Data	Enterprise Storage System
PostgreSQL ORACLE DATABASE Microsoft SQL Server DB2 SYBASE SAP HANA MySQL Amazon Aurora PostgreSQL	ORACLE E-BUSINESS SUITE SAP ECC ORACLE JD EDWARDS SAP S/4HANA ORACLE PEOPLESOFT ORACLE AGILE PLM Microsoft Dynamics ORACLE PRIMAVERA UNIFIER ORACLE PRIMAVERA P6 IBM MAXIMO eChain™	ORACLE Oracle ERP Cloud ORACLE NETSUITE workday PROCORE salesforce CONCUR ORACLE CPQ CLOUD SAP S/4HANA ORACLE SALES CLOUD SAP Ariba SAP C/4 HANA Microsoft Dynamics 365 SAP Business ByDesign SAP SuccessFactors ORACLE MARKETING CLOUD ORACLE SERVICE CLOUD ORACLE CRM ON DEMAND Google APIs dun & bradstreet servicenow ENOVIA	HIVE Dedicated SQL Pools Google Big Query amazon REDSHIFT snowflake NoSQL Databases mongoDB amazon DynamoDB Solr Apache CouchDB relax	OneDrive Azure Data Lake box hadoop HDFS Google Drive amazon S3 ORACLE WEBCENTER FTP Others IBM MQ APACHE kafka OPENTSDDB APACHE ACTIVEMQ

Data Migration Demo Scenario

Data Acquisition



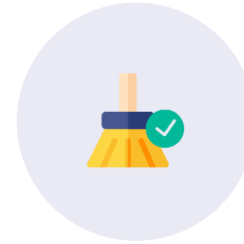
- Prebuilt Extract adaptors
- CDC Enabled
- Oracle E-Business Suite

Data Transformations



- Transformations
- Cross References
- Look-ups, defaults

Data Transformations



- Pre-Validations
- Business validations
- Data Corrections

Preload Reconciliation



- Review the Data
- Compare Source data with transformed data

Data Transformations



- Data load Approval
- Single, Parallel, Hierarchical

Data Loading



- Loading and Integration using prebuilt load adaptors

Approval



- Reconciliation Reports
- Compare transformed data with Target data



Questions ?

Thank you!!

For a personalized demo, contact us at



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Please visit our website for Demos, White papers and Case Studies

www.chainsys.com