



Mastering Data Migration to S/4HANA

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

Priyar Sundaramoorthy

Solution Architect – SAP Practice

March 8, 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

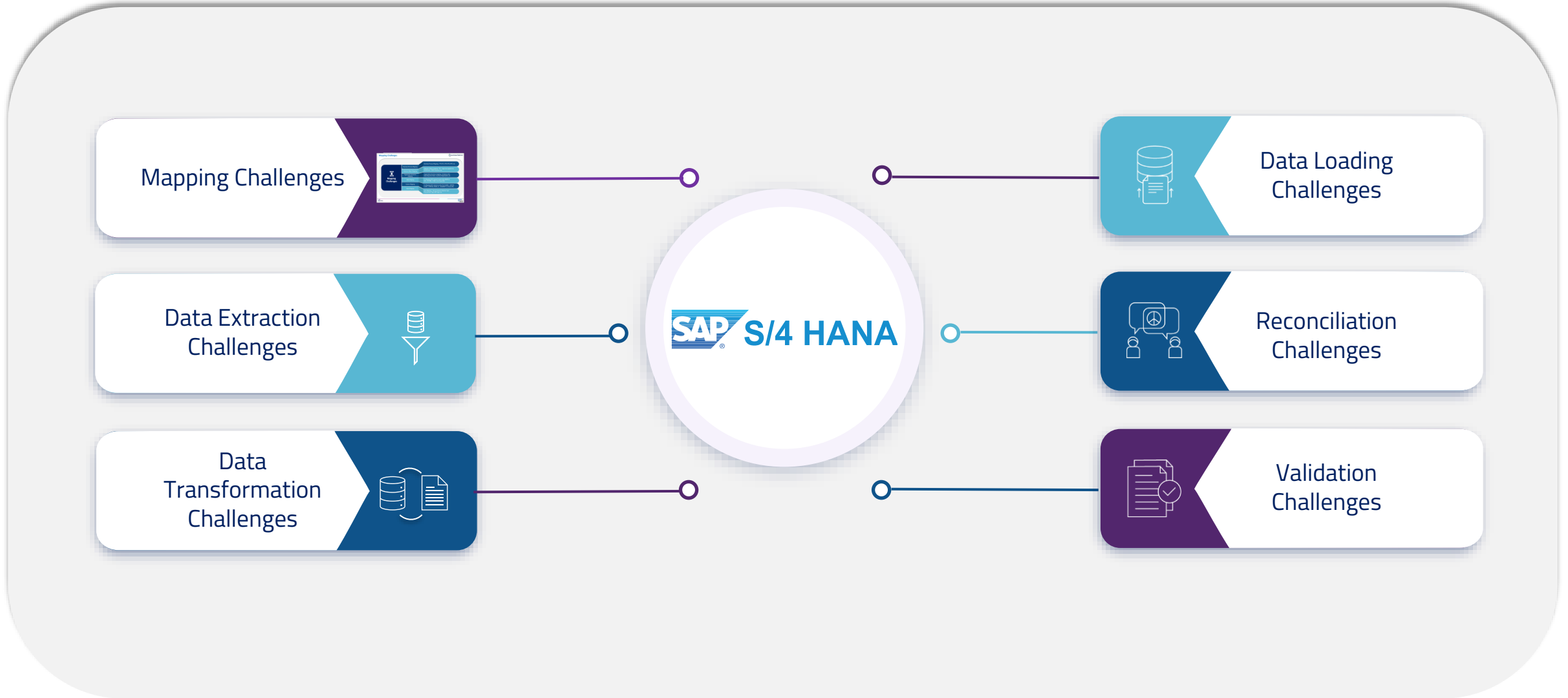
Are you ready for S/4 HANA Data migration?

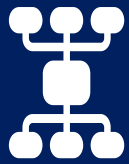
- Identifying and understanding the source applications
- Identifying the business process and objects
- Understanding the data volume
- Understanding the data quality
- Understanding the customizations

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

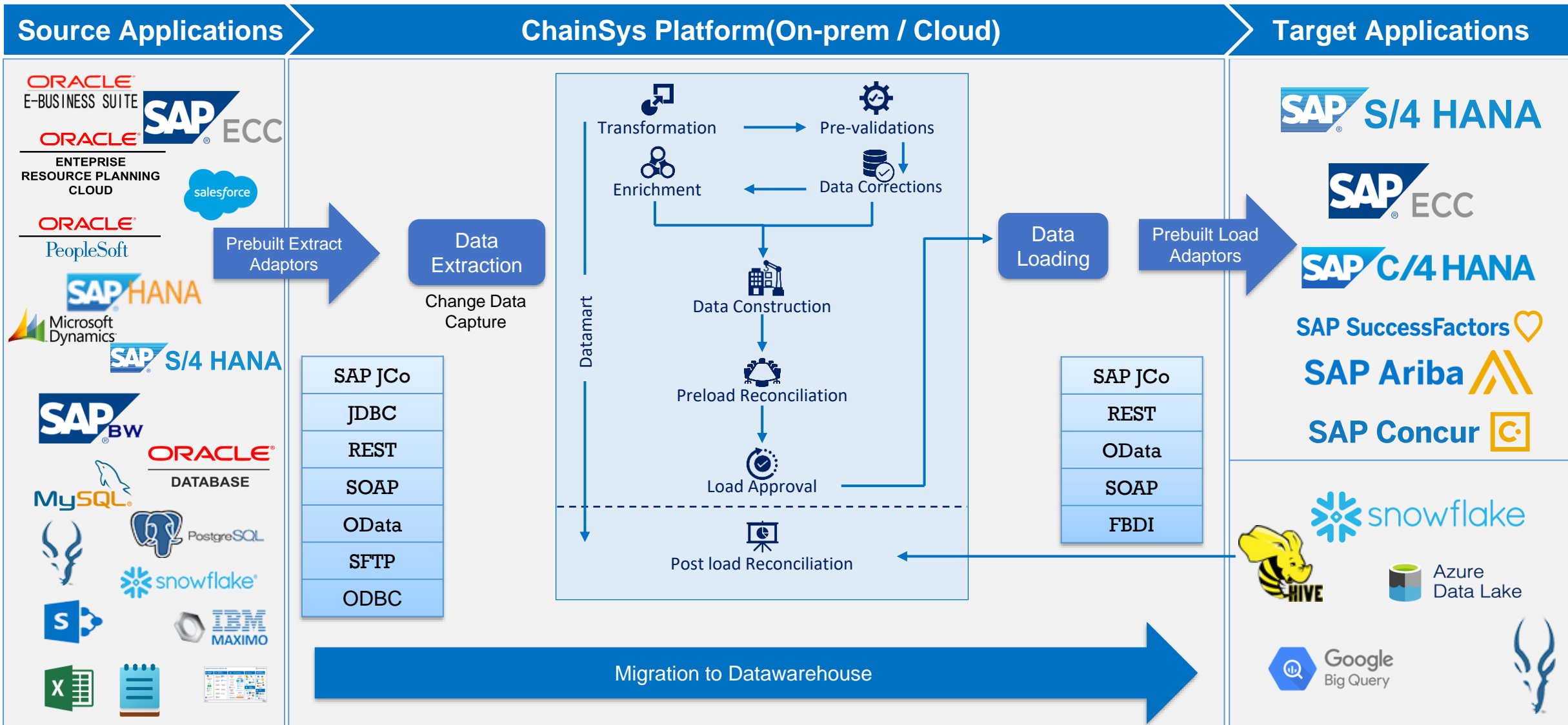
Data Mapping - Unit of measure, Material Type, Procurement Type, MRP type, etc.



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

NoSQL Databases

Enterprise Storage System

Others

Data Migration Demo Scenario

Data Acquisition



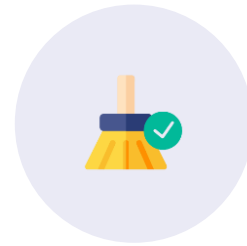
- Prebuilt Extract adaptors
- CDC Enabled
- Oracle E-Business Suite

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



priyar.sundaramoorthy@chainsys.com | webdemorequest@chainsys.com

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

www.chainsys.com