



# Get to SAP S/4HANA Faster with Data Archiving Acceleration

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**SAP**insider  
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## In This Session

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Understand how to efficiently manage the data and documents that reside in existing enterprise systems to reduce the cost and complexity of transitioning to SAP S/4HANA.

Attend this session to learn how to

- Use archiving to shrink the size of the SAP database before transitioning to SAP S/4HANA
- Minimize the total number of data and documents moving to the new system
- Accelerate the transition to SAP S/4HANA



# AGENDA

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- SAP Best Practices for Moving to SAP S/4HANA
- Data Volume Management Strategies
- Case Study: Greenfield Approach
- Case Study: Brownfield Approach
- Wrap Up



# Best Practices for Moving to SAP S/4HANA

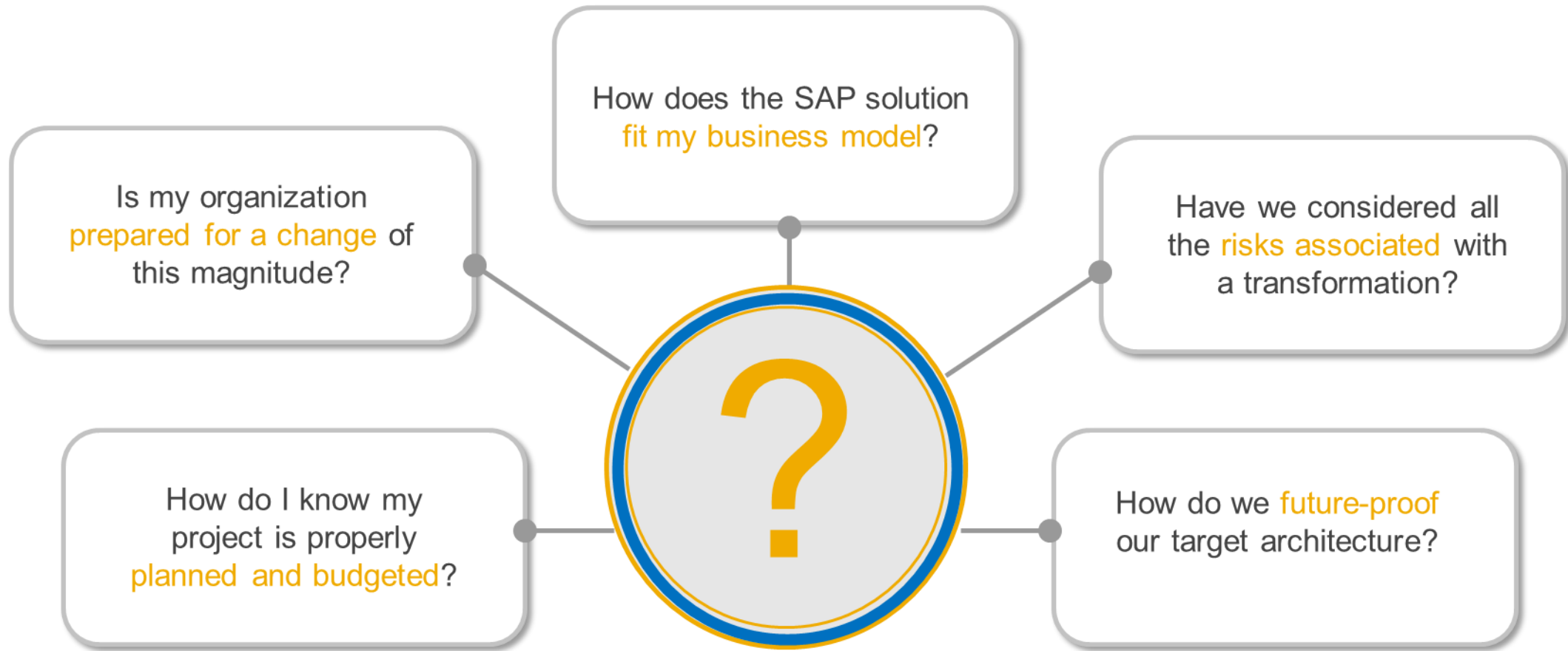
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- Common concerns and complications when beginning transformation
- Typical Pre-Program Checklist
- Typical SAP S/4HANA Transition Plan



# Common Concerns and Complications When Beginning Transformation

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# Typical Pre-Program Checklist



## Data Acceleration

Deduplicate, clean-up, archive data that will not be loaded into the new systems. Start master data transformation **NOW**



## Enterprise Structure Definition

Define Enterprise Organizational Structure of Chart of Accounts



## Value Realization Plan

Develop business case and metrics model to guide design decisions and measure value capture



## Interface Acceleration

Refactor and simplify interfaces, leverage prebuilt APIs in SAP BTP



## Industry Content Fit/Gap

Perform fit/gap analysis of Industry Best Practice content to confirm degree of design acceleration

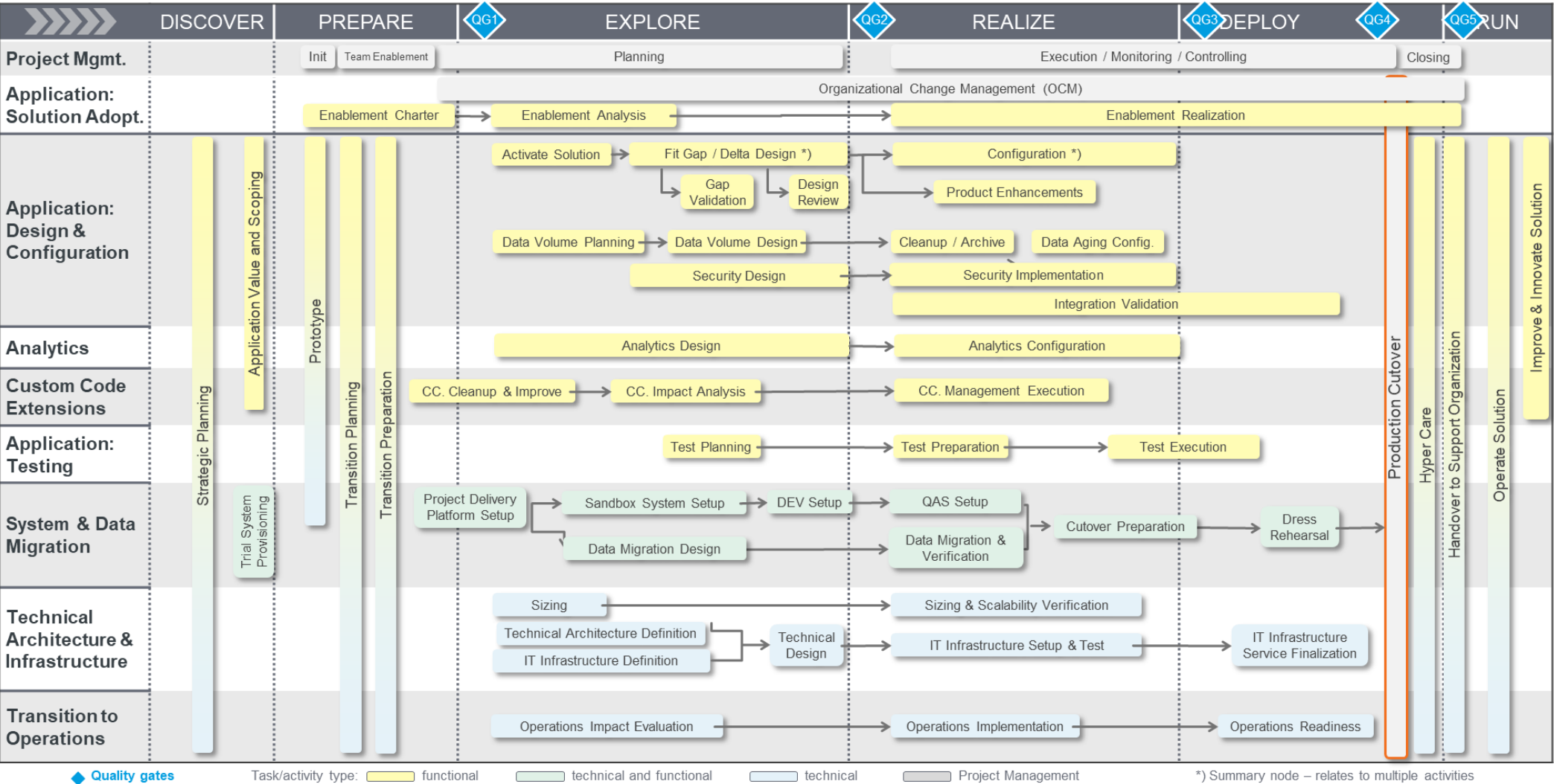


## Program Management

Develop high-level plan to launch discover and design phase activities including project infrastructure



# Typical SAP S/4HANA Transition Plan



# Data Volume Management Strategies for SAP S/4HANA

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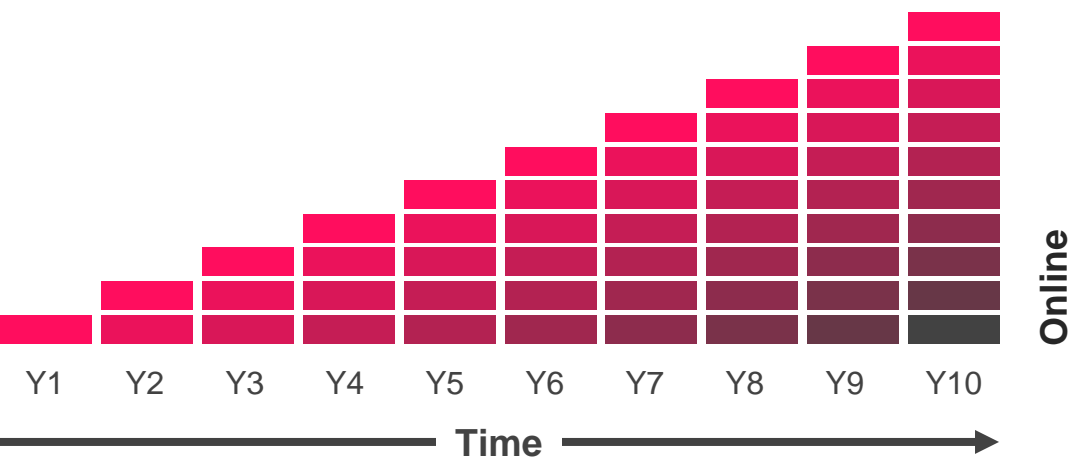
No matter which path you take to SAP S/4HANA use SAP Data Archiving to manage the data volume moving into the new system.



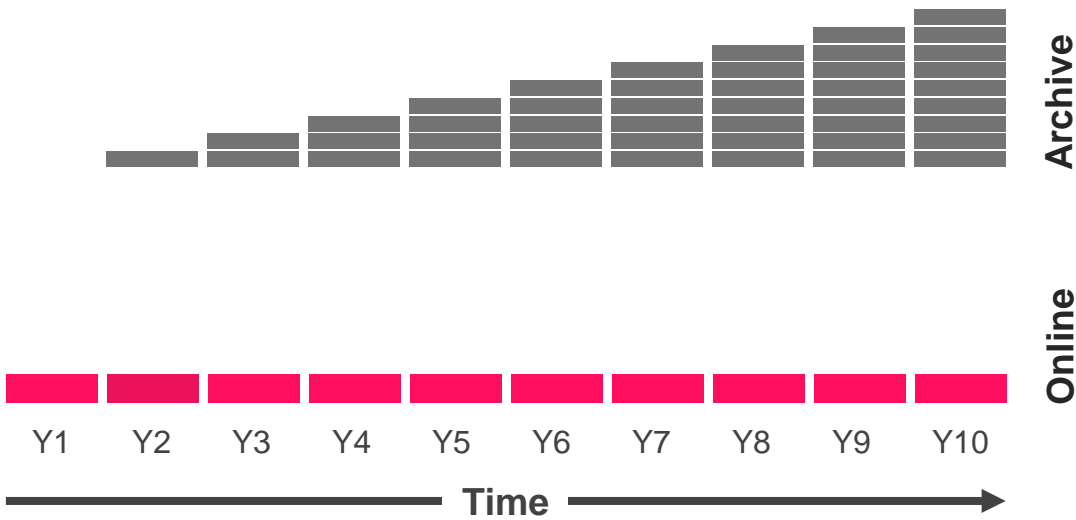


# SAP Data Archiving – First Step on the Path to SAP S/4HANA

Without Archiving



With Archiving

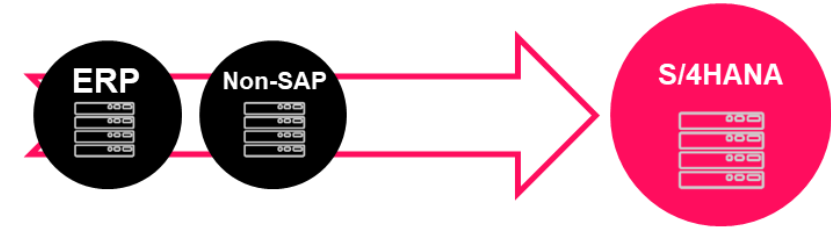


**Slim That Database Down to Size!**

# Transition Paths to SAP S/4HANA

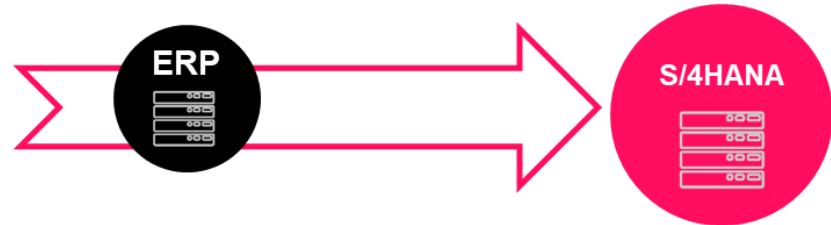
## Greenfield:

Install a new S/4HANA system



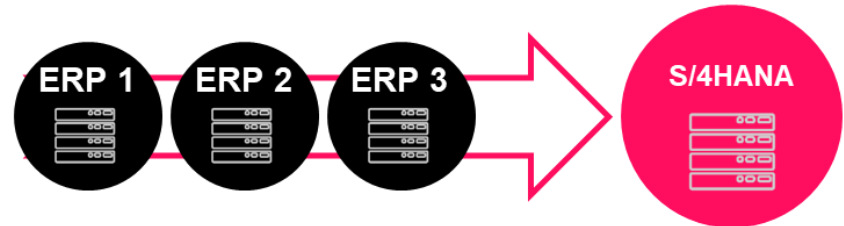
## Brownfield:

Migrate the existing system



## Consolidation:

Transform multiple SAP or non-SAP ERPs into a new S/4HANA system



# Case Study: Greenfield Approach

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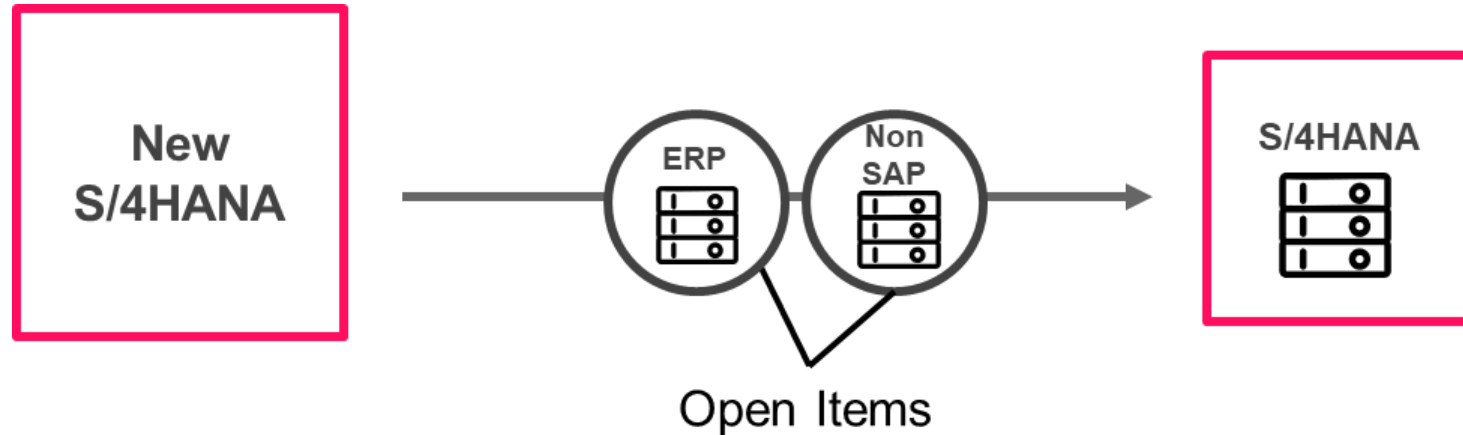
New SAP S/4HANA plus system  
decommissioning of the legacy ECC  
environment





# Greenfield Approach - A Brand-new SAP S/4HANA Installation

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How to deal with closed business transactions  
Retention of mature data for audits



1. Continue using the exiting environment as “read only” system
2. System decommissioning – keep data in “SAP format”
3. System decommissioning – keep data in an open format (SAP independent)

# Decide on Suitable Procedures for the Data you Need to Keep

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## Run the existing legacy ERP system as information system

- Easy access to necessary information, reporting and analysis tasks "as usual"
- Existing system must be kept up-to-date and maintained
- High operating costs for occasional data access; high risk exposure

## System decommissioning – retain data in "SAP" format

- SAP ILM Retention Warehouse
- Data access via SAP frontend (SAP ILM: SAP BW)
- Alternative/additional data and document access with third-party solution (consulting project)

## System decommissioning – retain data in an open format

- Solution on project-basis or add-on solution (Corestone)
- Open data format: flexible solution/management for long-term data storage
- SAP independent data and document access: flexible and economic approach

# Insurance Company Implements New SAP S/4HANA System



A leading multi-line insurer that serves its customers in global and local markets

## Challenges for the Transition to SAP S/4HANA

- SAP ECC system live since 2000
- 2 TB database with no previous data archiving / DVM
- Greenfield SAP S/4HANA implementation → Transfer only open items
- Legacy information required for reporting and audits

## Data/Document Transition Approach

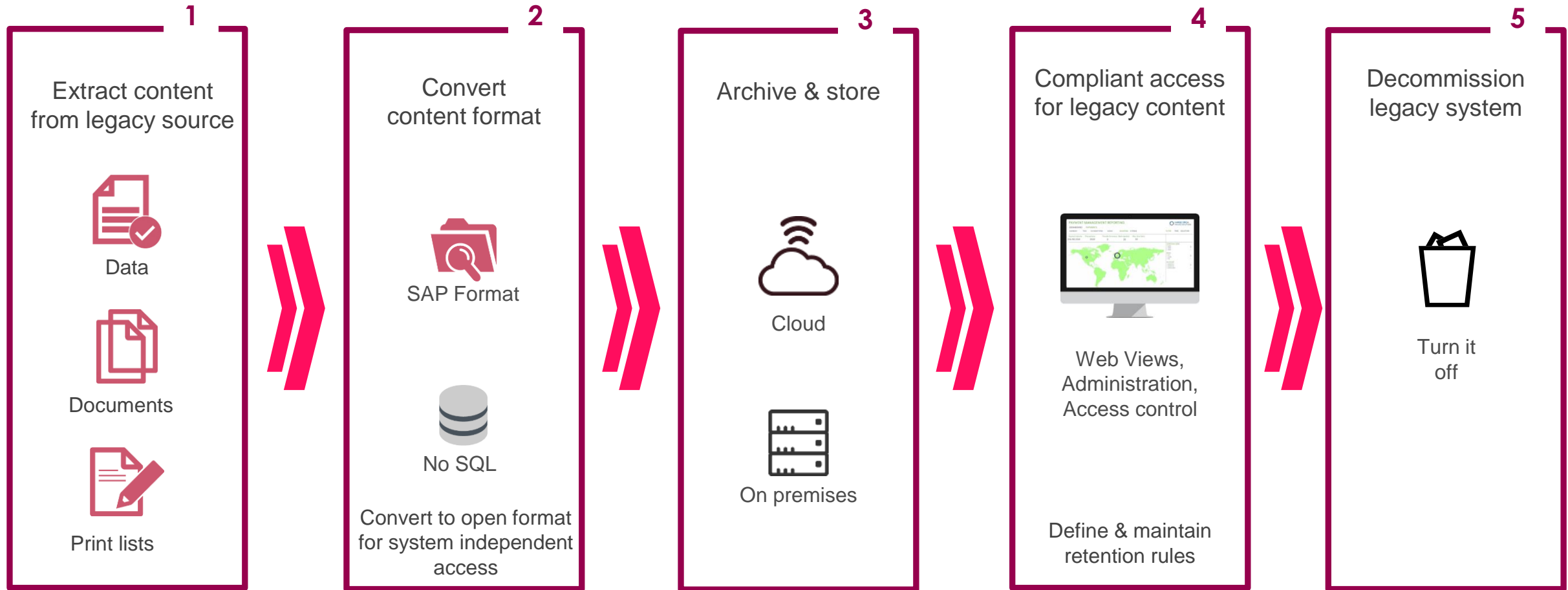
- Transfer open items to SAP S/4HANA
- SAP office documents → Archive
- All mature “legacy” data → Archive
- Store content in lean archive repository
- Access legacy data from SAP S/4HANA system

### Solutions and Services

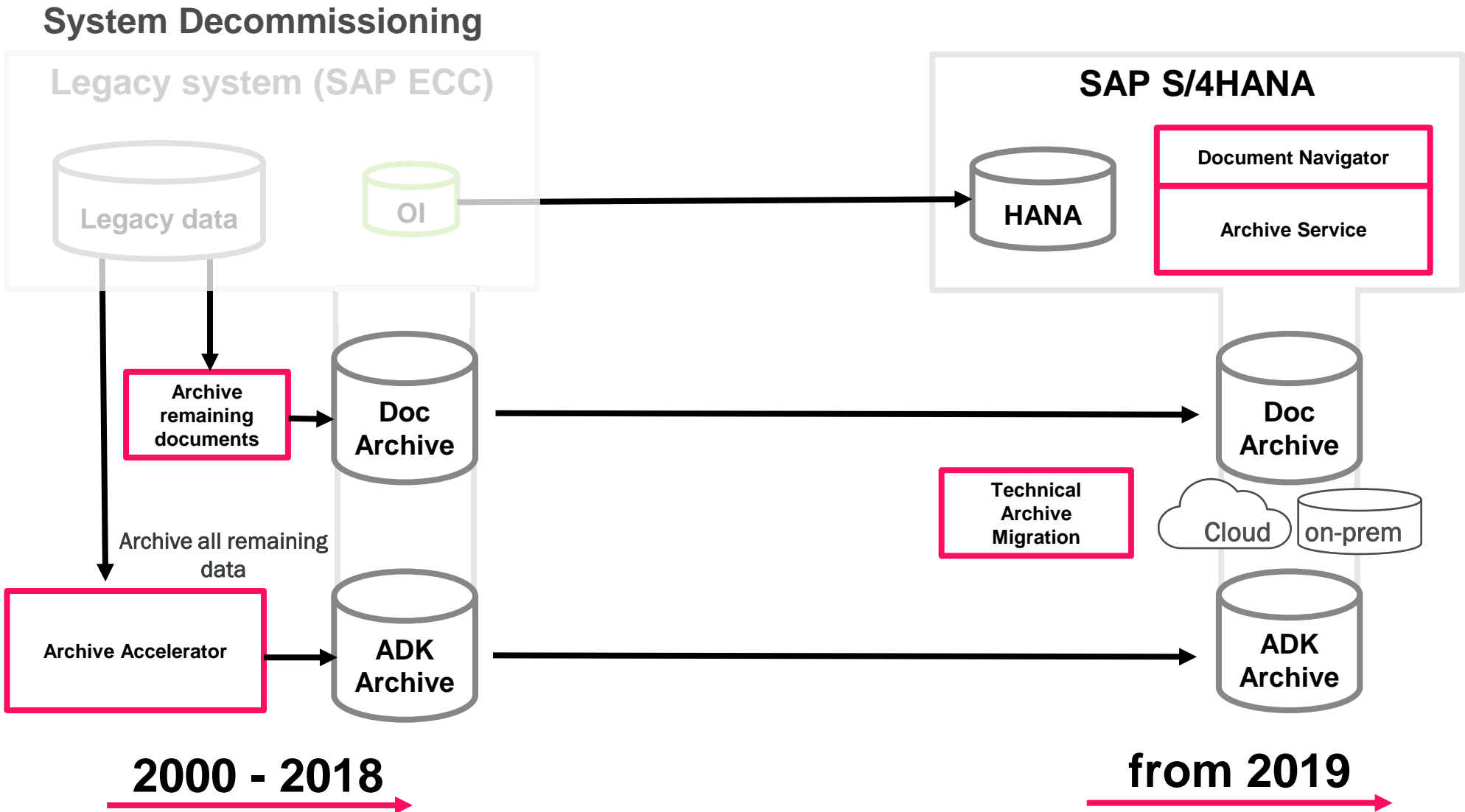
- Extract legacy data and documents
- Lean SAP ArchiveLink-compliant archive platform
- Flexible user access to legacy data



# From Legacy Source System to Final Storage & User Access



# Transfer Open Items and Decommission the Legacy System



## Case Study: Brownfield Approach

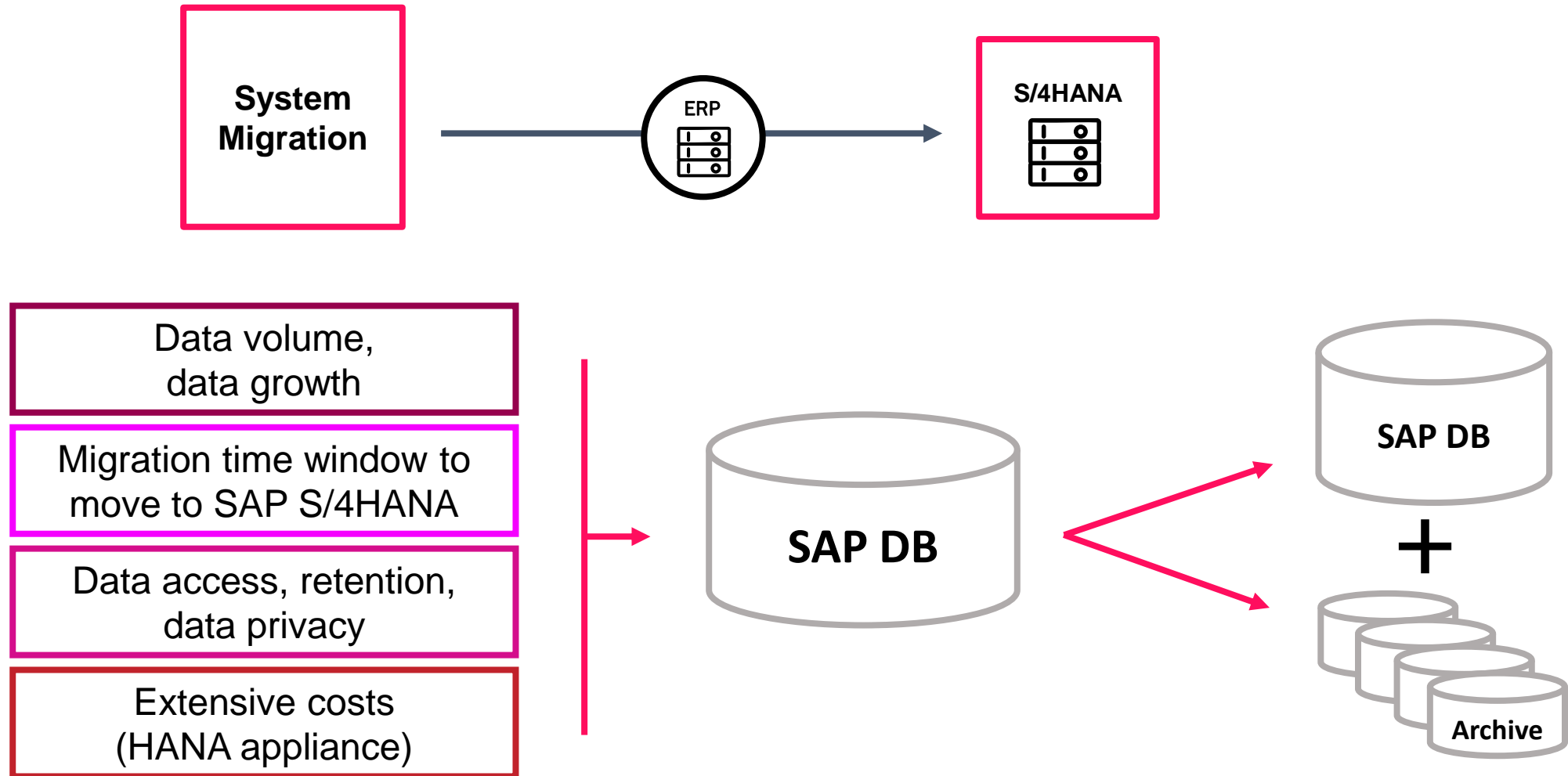
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Migrate the existing system to SAP S/4HANA and archive mature data prior to the database migration



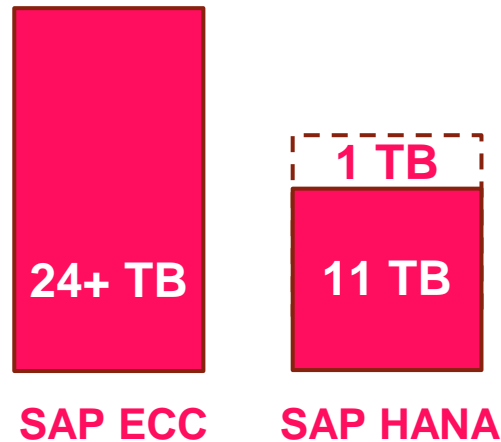


# Brownfield Approach: Migrate Your System Retaining Existing Data Structures



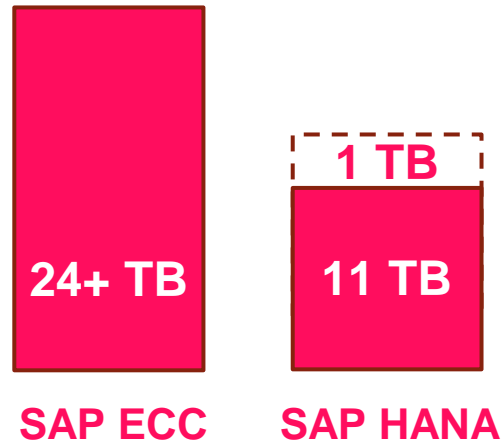
# Case Study: Dr Pepper Snapple Group Migrates from SAP ECC to HANA (SoH)

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- 24 TB into a 12 TB HANA appliance?
- Need sufficient head room for secure and fast HANA operation
- Option for additional (S/4) HANA instances on the same appliance

# Case Study: Dr Pepper Snapple Group Migrates from SAP ECC to HANA (SoH)

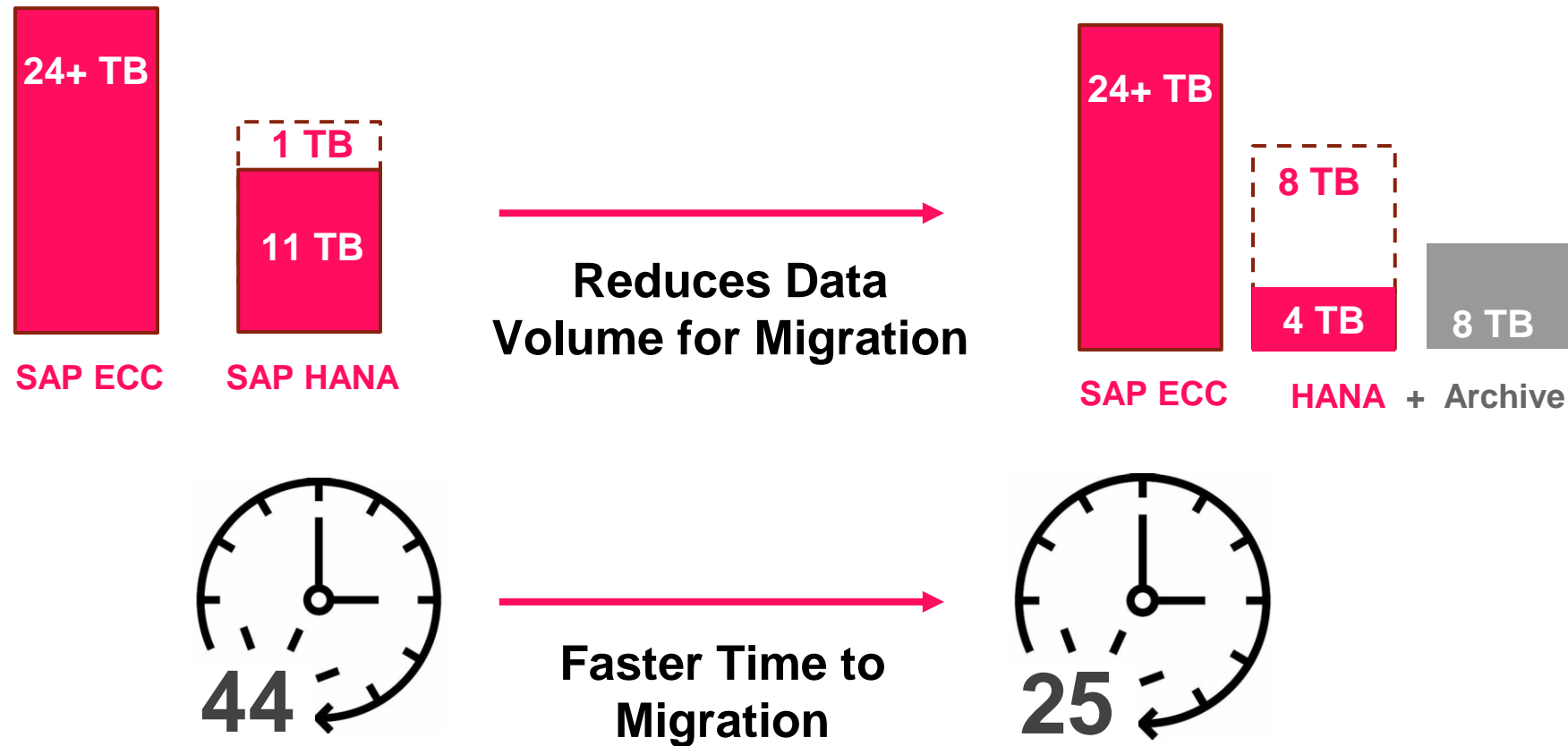


## Migration Time Window:

System shutdown	3 h	86 h
EHP upgrade	18 h	
Database migration	48 h	
Post migration jobs	12 h	
Validation	5 h	

- 24 TB into a 12 TB HANA appliance?
- Need sufficient head room for secure and fast HANA operation
- Option for additional (S/4) HANA instances on the same appliance
- Optimize the time window for the database-migration: Objective **→ < 72 h !**

# Dr Pepper Snapple Group: Successful Migration to SAP S/4HANA



**Data Archiving Accelerates Migration to SAP S/4HANA**

## Wrap up

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- ✓ Clearly **understand the information in your existing SAP system**. It is the foundation for an efficient transition
- ✓ **Separate the data** that is “fuel” from the “ballast”
- ✓ **Greenfield or Brownfield?** You need a sound data management strategy for your historic data and documents
- ✓ For new implementations: Carefully **consider the format** in which you will retain legacy data
- ✓ For migration scenarios: **Minimize data volume prior** to the migration saves resources and time



# Where to Find More Information

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- **Deployment Approaches to SAP S/4HANA Benchmark Report 2022:**  
<https://sapinsider.org/research-reports/deployment-approaches-to-sap-s4hana-benchmark-report-2022/>
- **Dr Pepper Snapple Group Reduces Data for Faster Move to SAP HANA**  
<https://www.serrala.com/customer-success/dr-pepper-snapple-group>
- **Fast Path to HANA Whitepaper**  
<https://www.serrala.com/whitepaper/whitepaper-fast-path-to-sap-s4hana>
- **ON Demand Webinar: Moving to SAP S/4HANA: Is Your Data Ready to Go?**  
<https://www.serrala.com/presentation/move-to-s4hana-is-your-data-ready-to-go>

## Key Points to Take Home

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- Start planning your move to S/4HANA now
- Use data archiving to shrink the size of the SAP database to reduce the total cost of ownership (TCO) and decrease system downtime
- Apply different data volume management strategies for greenfield and brownfield implementations
- Don't forget to decommission legacy systems to minimize risk and reduce IT cost and complexity.

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your session evaluation.

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