

# SAP Test Data Migration Server

## High-Quality Testing Requires High-Quality Test Data

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Customer



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# **SAP Test Data Migration Server (TDMS) 4.0**

## Overview

# Value Proposition And Benefits

SAP Test Data Migration Server (SAP TDMS) is a high-speed data extraction tool that transfers relevant business data from your SAP production system to your development, test, quality assurance, or training system.

## SAP TDMS Benefits:

- ❑ Reduced development / bug-fixing cycles
- ❑ Protection of sensitive data
- ❑ Reduced infrastructure expenses
- ❑ Increased efficiency
- ❑ Enable functional teams to extract and transfer data
- ❑ Migrate data across data centers
- ❑ Transition to SAP innovations

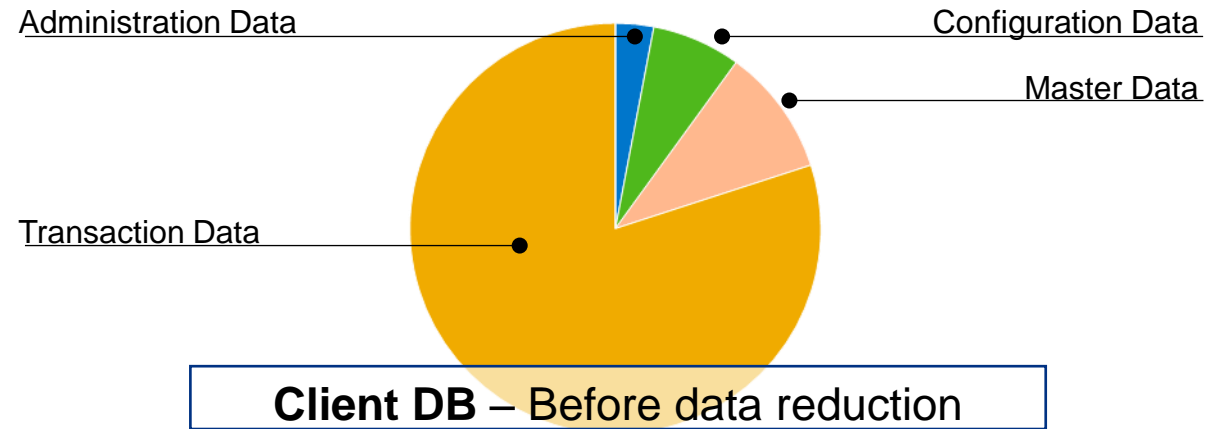
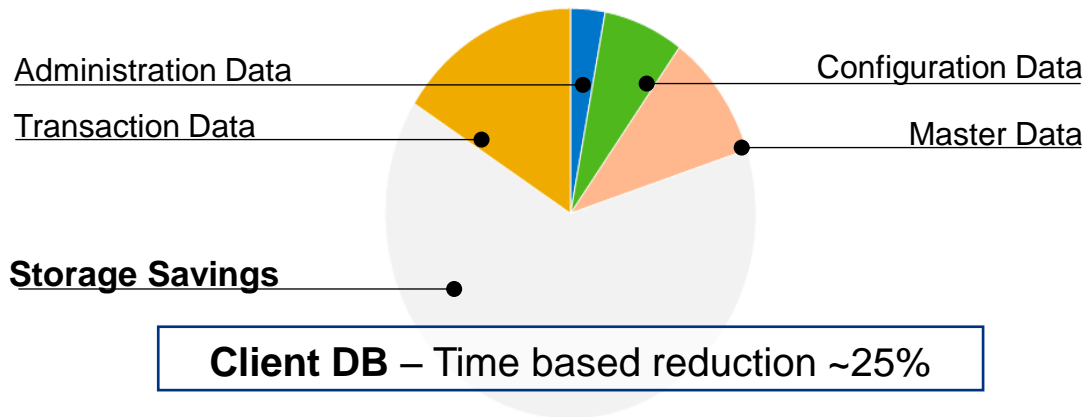


# SAP TDMS Reduced Migration

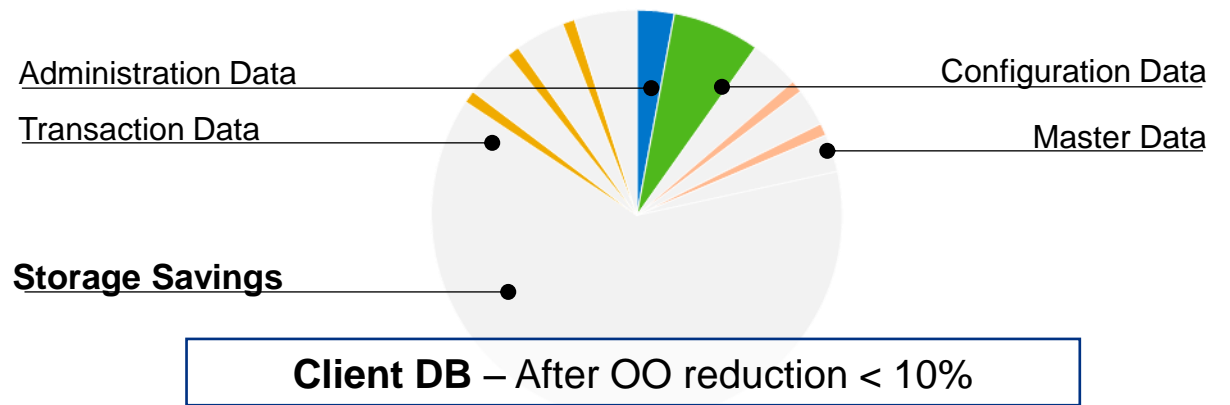
## Assumption

- 80-90% of the production data is stored in 10 – 20% of client-dependent tables

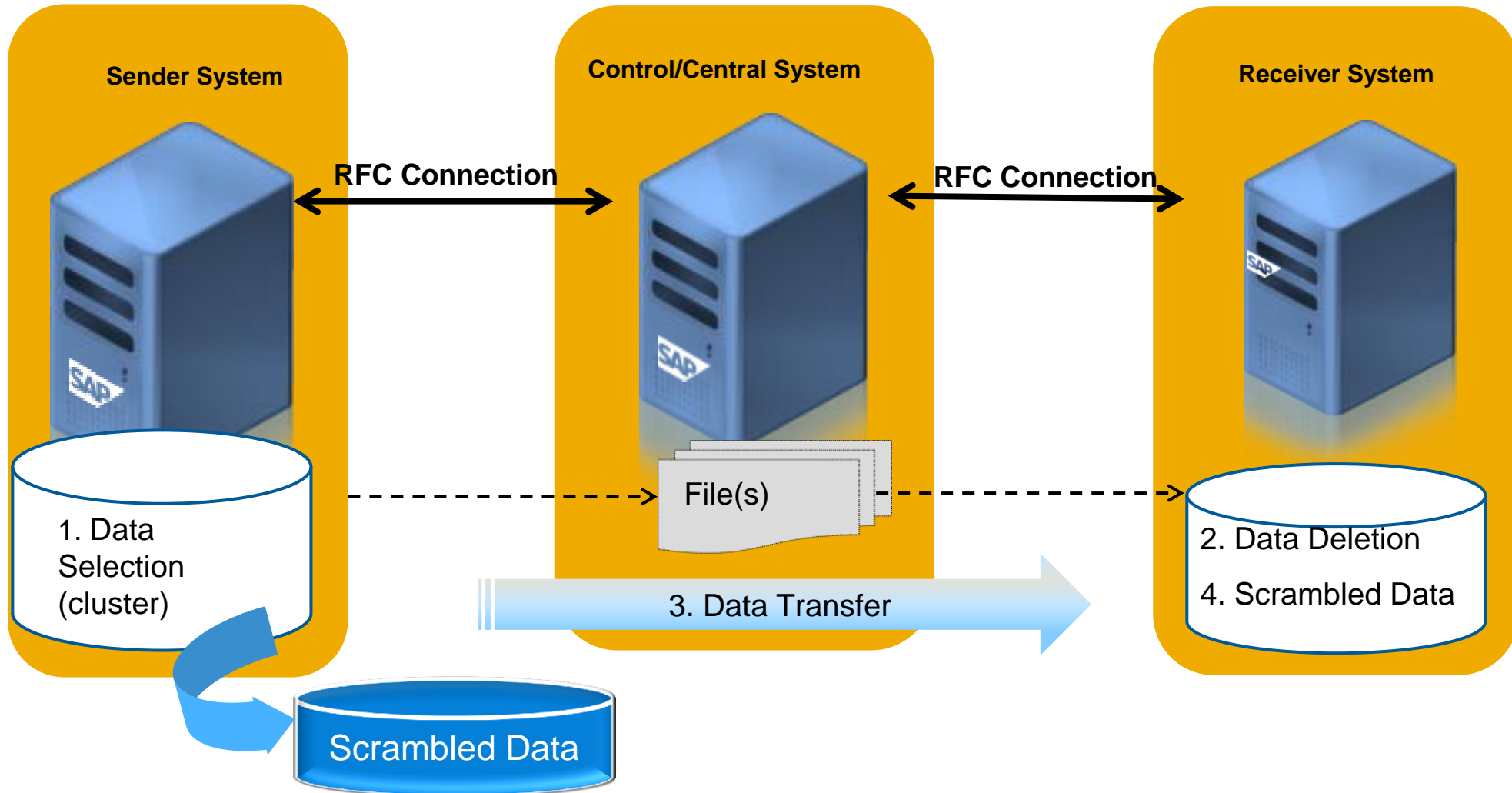
## Time Based Reduction



## Object Oriented Reduction



# High-level Architecture



# Main Features

Web-based Interface		Solution Manager Integration			Fiori App		
Shell Creation		Data Scrambling	Full Client Transfer		File-based Transfer		
ERP	HCM	BW	CRM	SCM	SRM	IS	GTS
<ul style="list-style-type: none"> <li>• Time-Based Reduction</li> <li>• Company Code and Time-Based Reduction</li> <li>• Transfer of Master Data and Customizing</li> <li>• Business Process Library</li> <li>• Stand-alone Scrambling</li> <li>• Data Scrambling content</li> <li>• Data import through Files</li> <li>• Full Transfer of Client-Specific Data</li> </ul>	<ul style="list-style-type: none"> <li>• E-Recruiting</li> <li>• Process and Forms</li> <li>• Transfer of PA Data</li> <li>• Transfer PA &amp; PD Data in one Step</li> <li>• Stand-alone Scrambling</li> <li>• Country-Specific Scrambling content</li> <li>• Payroll &amp; Time Comparison</li> <li>• Data import through Files</li> </ul>	<ul style="list-style-type: none"> <li>• Time-Based Data Reduction for Individual Info Areas</li> <li>• Data import through Files</li> <li>• PSA Data Eliminated</li> </ul>	<ul style="list-style-type: none"> <li>• Time-Based Reduction</li> <li>• Transfer of Master Data and Customizing</li> <li>• Full Transfer of Client-Specific Data</li> <li>• Data import through Files</li> </ul>	<ul style="list-style-type: none"> <li>• Time-based Reduction</li> <li>• SAP Live Cache reduced by Date and Planning Version</li> <li>• Demand Planning for BI</li> <li>• APO data reduced based on time</li> <li>• Full Transfer of Client-Specific Data</li> <li>• Data import through Files</li> </ul>	<ul style="list-style-type: none"> <li>• Time-based Reduction</li> <li>• Transfer of master data and Customizing</li> <li>• Consistent document flow</li> <li>• Full Transfer of Client-Specific Data</li> <li>• Data import through Files</li> </ul>	<ul style="list-style-type: none"> <li>• Object-Based reduction for SAP Banking</li> <li>• Object-Based reduction for SAP CRM for Utilities</li> <li>• Object-Based reduction for SAP Retail</li> <li>• Object-Based reduction for SAP Utilities</li> <li>• Time-Based Reduction for SAP Oil &amp; Gas (Downstream)</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced post-transfer processing activities</li> <li>• Seamless integration with other applications</li> <li>• Full Transfer of Client-Specific Data</li> </ul>



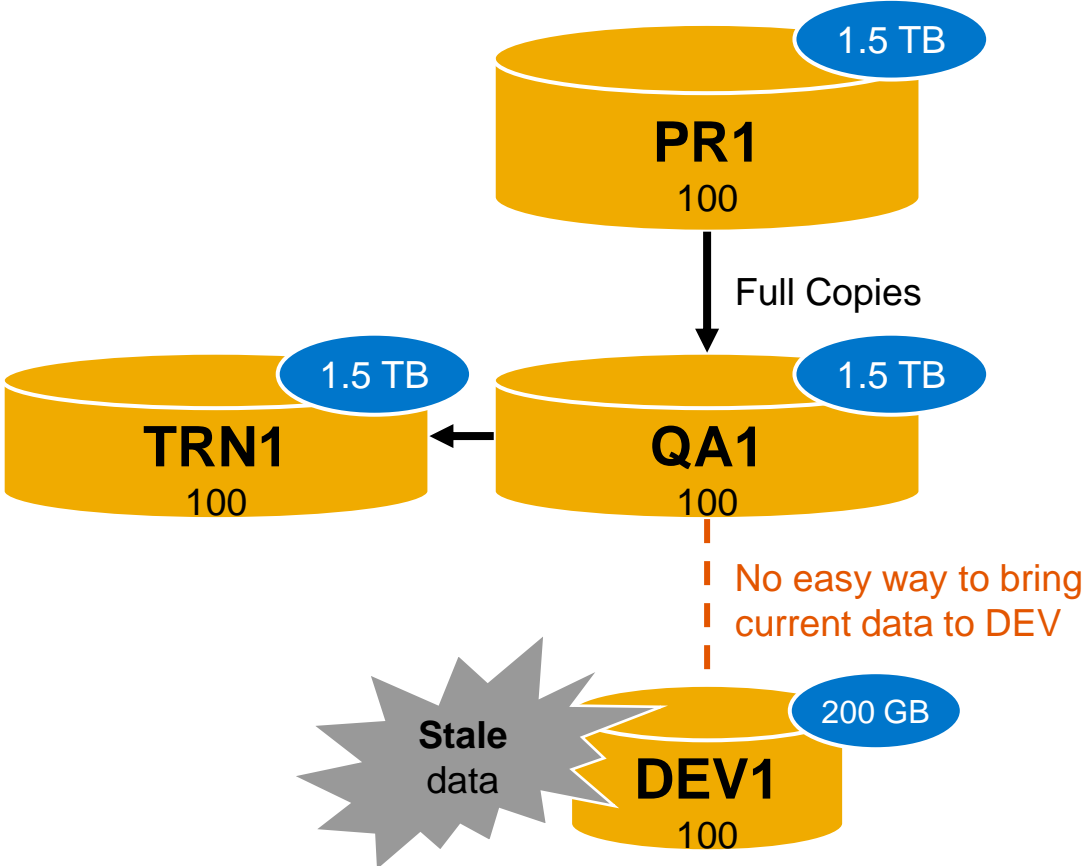
# **SAP Test Data Migration Server (TDMS) 4.0**

## **Use Cases**

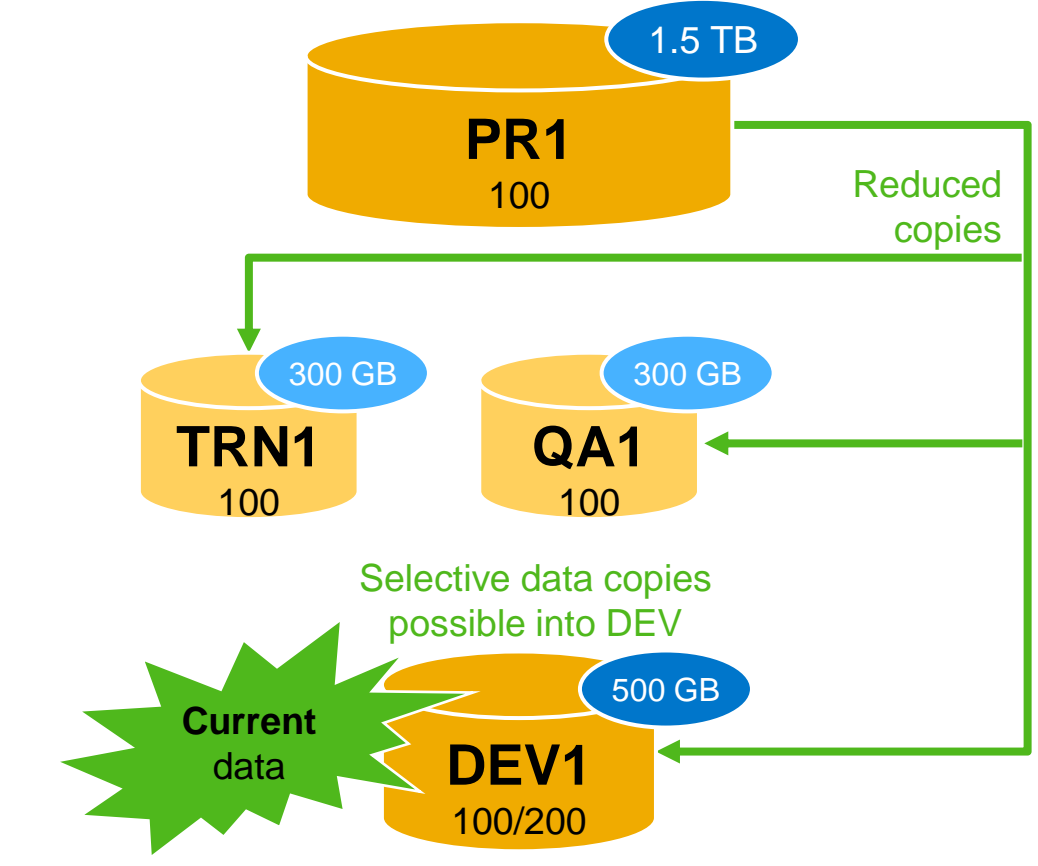


# Typical Use Case Example I : Refresh Of Data In Development Systems

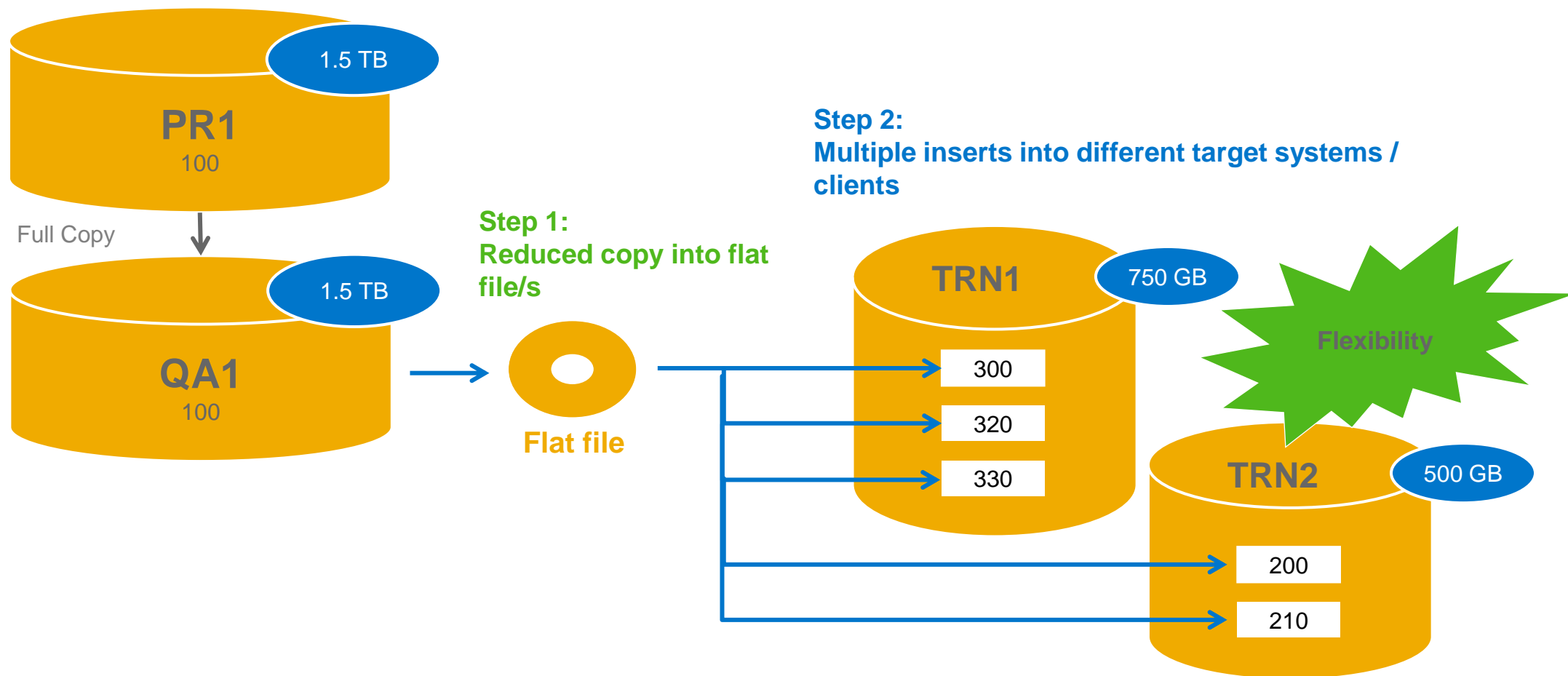
## Before SAP TDMS



## With SAP TDMS

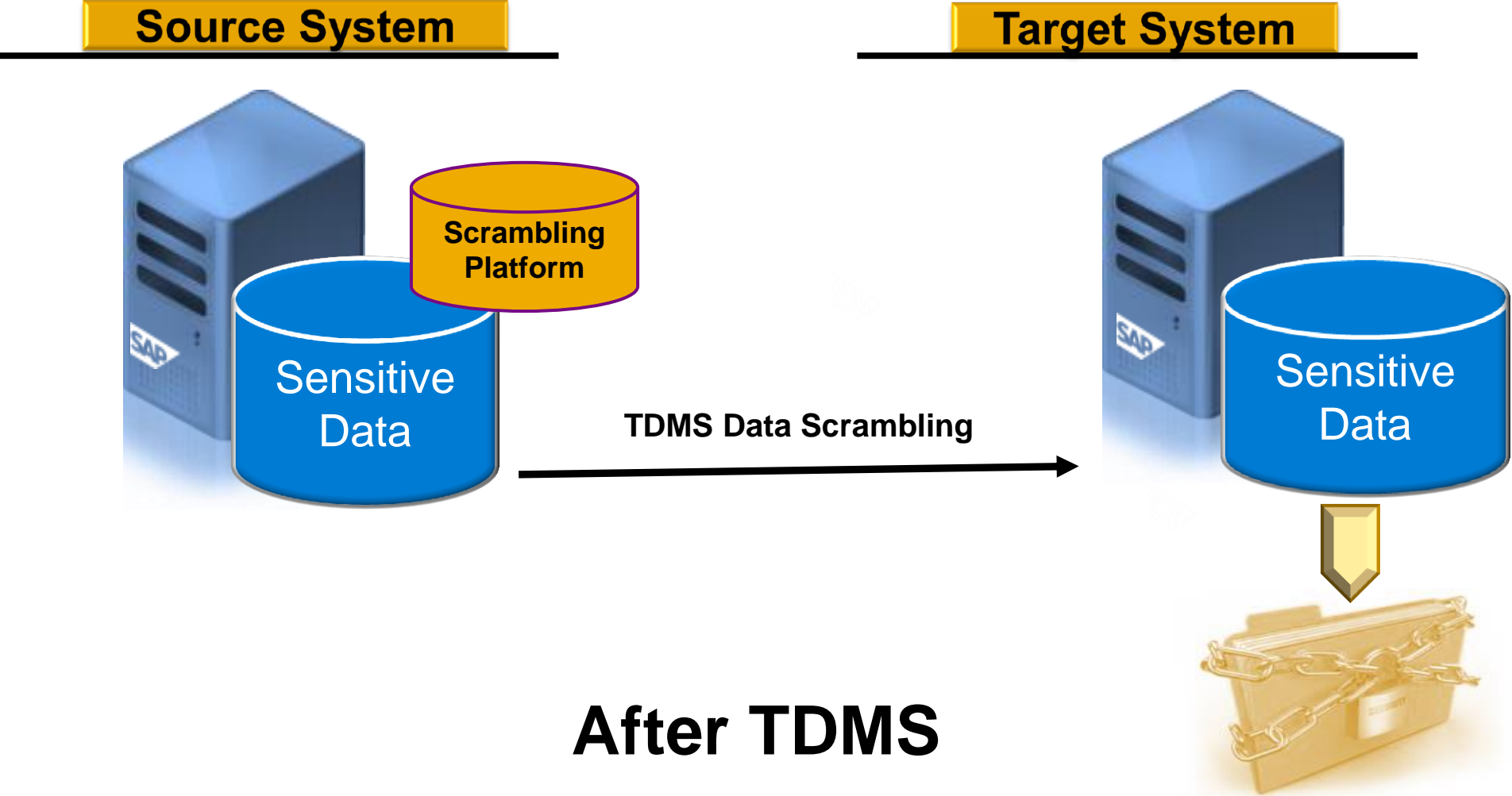


# Typical Use Case Example II : Build And Flexibly Refresh Training Systems



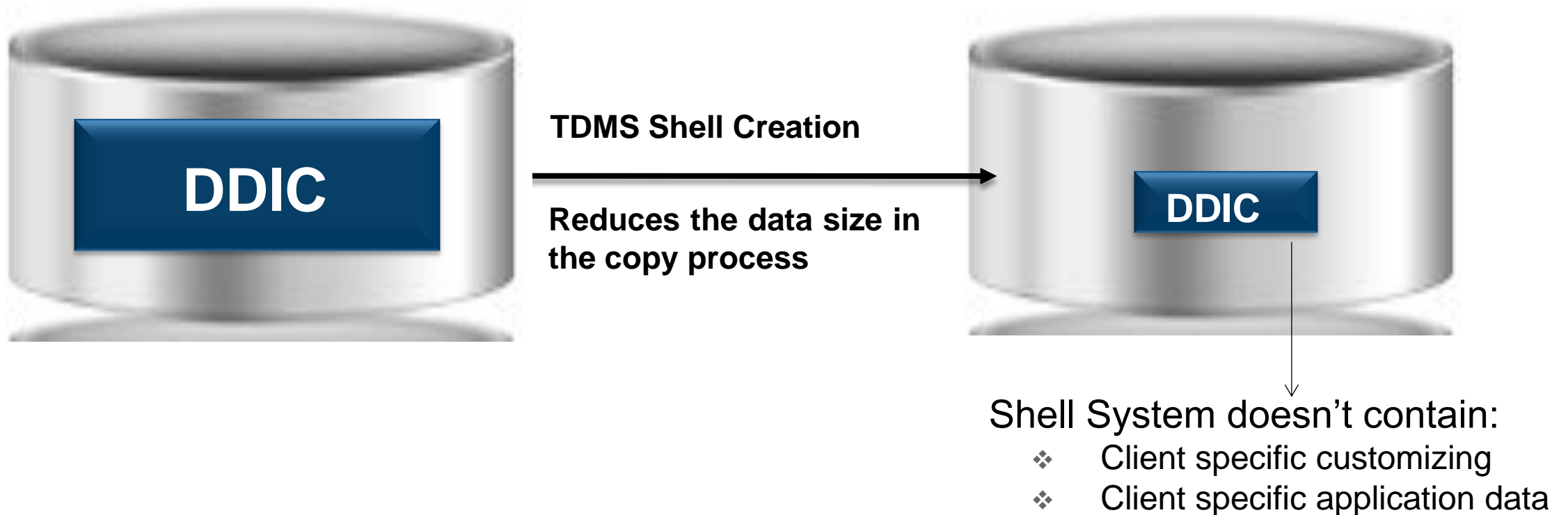
**Goal:** Provide a repeatable process to build and refresh training clients – as subsets, full copies, and with flat file option for easy ‘resetting’ capability.

# Typical Use Case Example III : Protect Sensitive Data

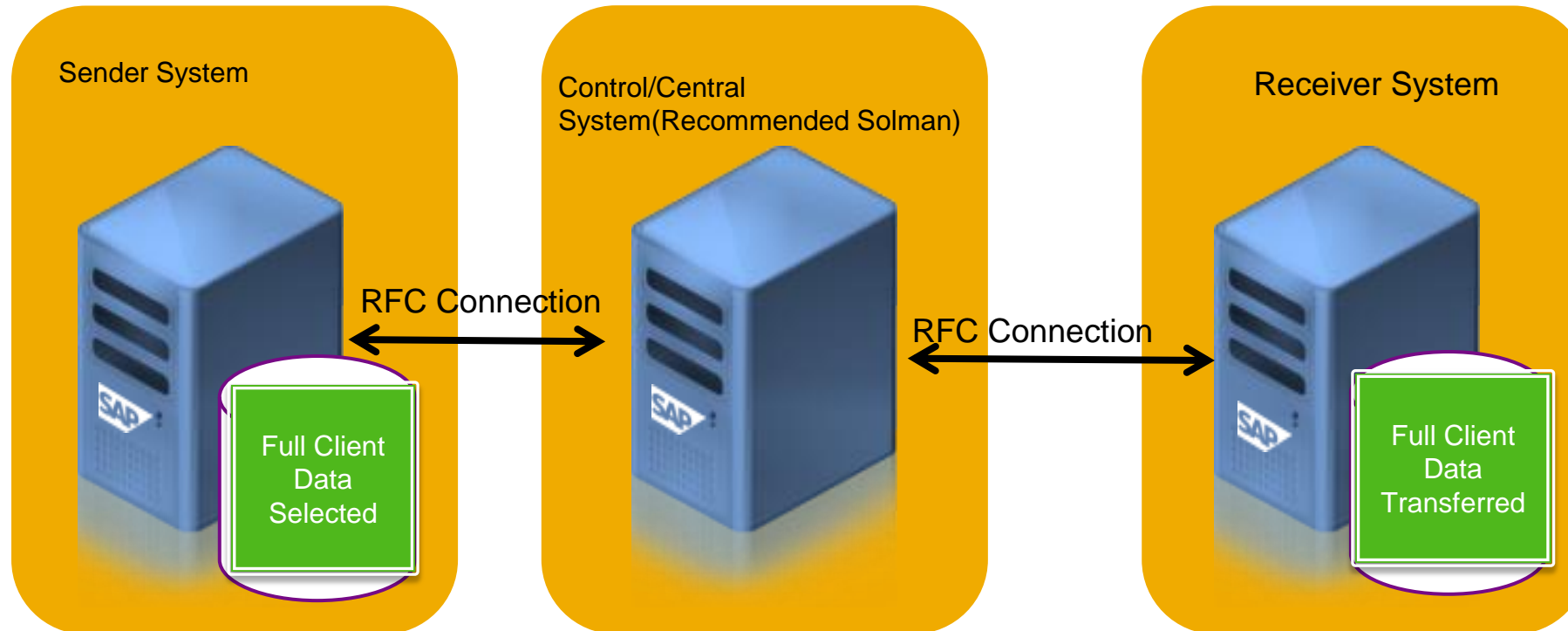


# Typical Use Case Example IV: Shell Creation

A **system shell** is an SAP system that only contains repository and cross client customizing.

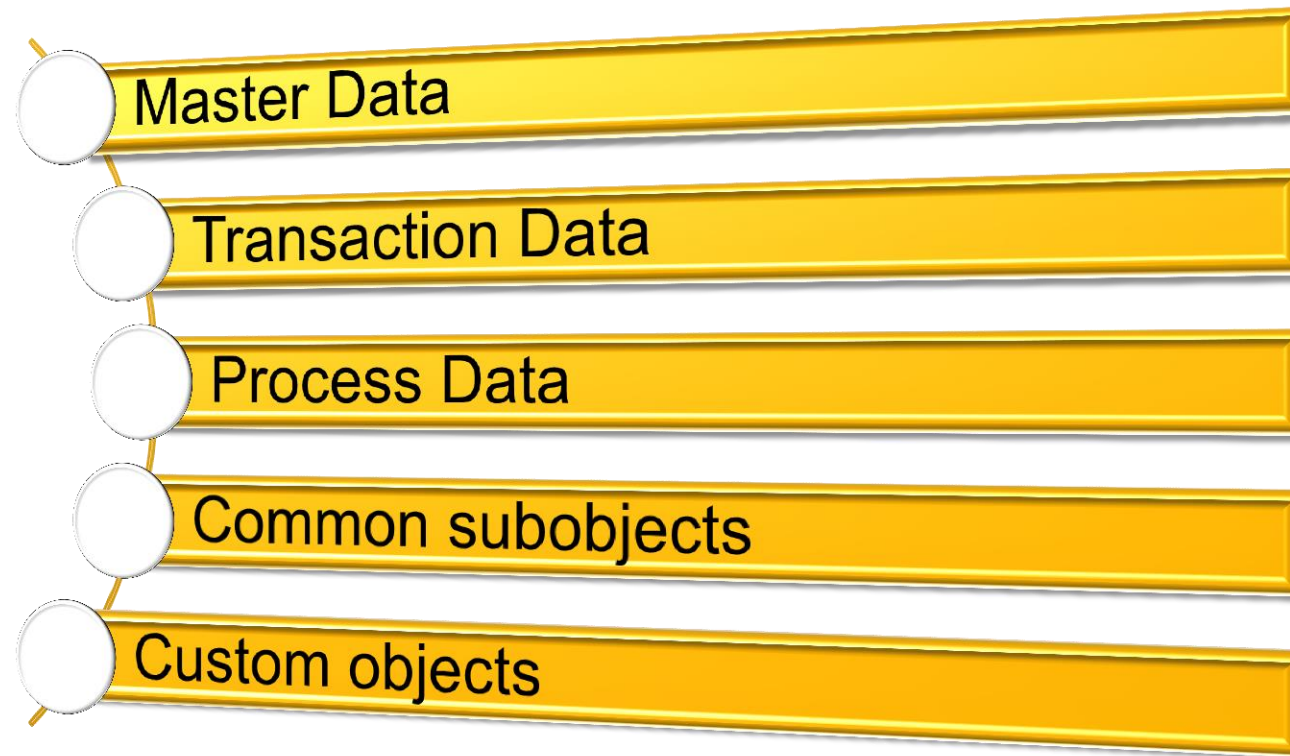


# Typical Use Case Example V: Full-Client Transfer



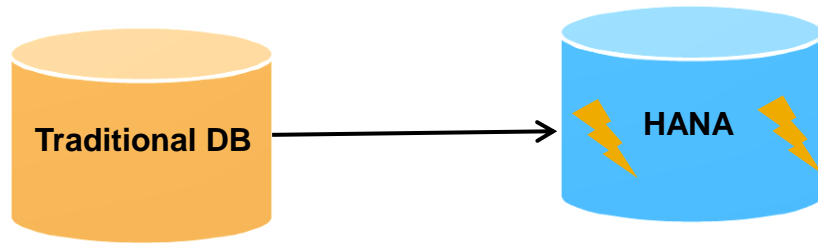
# SAP TDMS Business Process Library

The BPL object enables to select and transfer data relevant to its corresponding business processes. SAP delivered BPL Objects are available for SAP ERP and some objects for certain industry solutions. You can also transfer multiple tables belonging to a BPL object scenario in a single migration package.

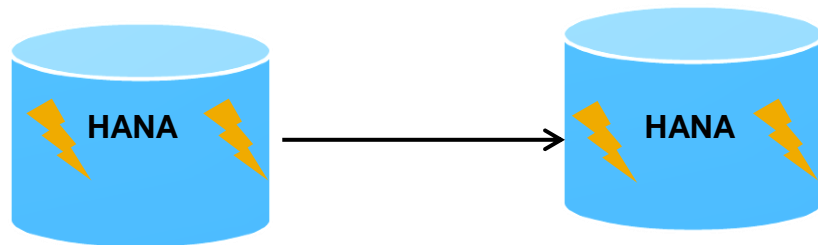


# Transition to SAP Business Suite powered by SAP HANA with SAP Test Data Migration Server 4.0

With SAP TDMS 4.0, you can move your business data or consolidate your landscape while transitioning to SAP Business Suite powered by HANA.



Build the HANA system with a reduced set of data based on the repository of SAP system running on a traditional DB.



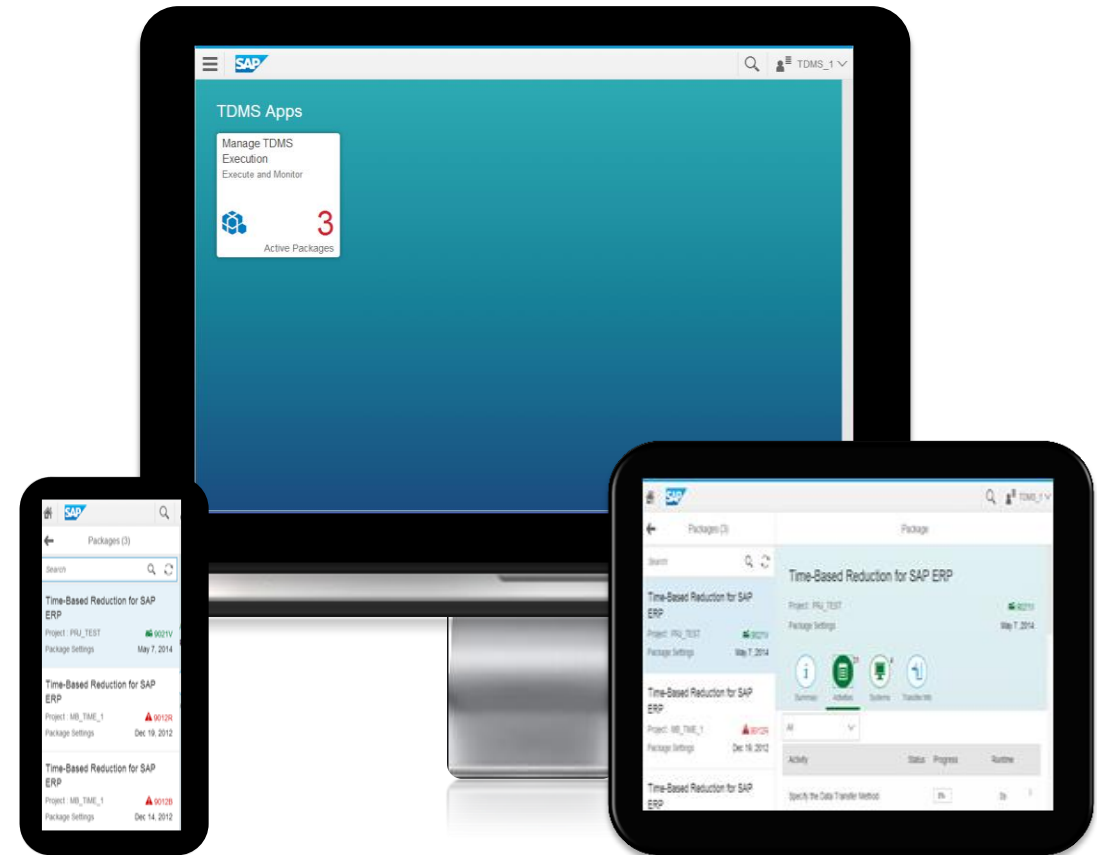
Build non-production systems with a reduced set of data by reading from HANA DB into HANA DB.

# SAP Fiori App for SAP TDMS 4.0 - Overview

**Manage TDMS Execution** is a transactional FIORI app to help the TDMS user execute, monitor and troubleshoot several TDMS activities. The app will not replace existing product but has to be used in conjunction with TDMS backend.

The TDMS Fiori app - *Manage TDMS Execution* - is based on our existing application SAP Test Data Migration Server 4.0.

*Manage TDMS Execution* is a simple and easy to use experience that works seamlessly across devices – desktop, tablet, or smartphone.





# SAP Test Data Migration Server

## Product road map overview - key themes and capabilities

### Today

**SAP TDMS** runs on SAP Business Suite powered by SAP HANA – both on-premise and on the cloud

#### Functional Enhancements

- Faster migration objects using HANA technology
- Supplementary solution for S/4HANA SAP Smart Financials (sFin 2.0)
- Supplementary solutions for SAP Insurance and SAP Defense
- Upgraded TDMS Banking solution for Banking Services 8.0
- Supplementary solution for cross-application scrambling across relevant SAP Business Suite solutions

#### Continuous Improvements

- Continuous performance improvements for TDMS Deletion and Transfer
- Automated process tree using simplified migration parameters and modular execution for SAP ERP
- Supplementary solution for a simplified and modular Scrambling workbench

(Release 4.0 SP10)

### Planned Innovations

#### Functional Enhancements

- Continuous improvements in migration objects using the HANA technology
- Supplementary solution for S/4 HANA SAP Simplified Logistics (sLog)
- Faster file transfer solutions for all TDMS scenarios
- Supplementary solutions for material ledger objects and SAP Bank Analyzer
- Supplementary solution for SAP Oil&Gas – PRA solution (Upstream)
- Supplementary solution for time-based reduction of the SAP Fashion Management System (FMS)
- Adaptation of TDMS Scrambling for SAP HANA.

#### Continuous Improvements

- New solution to transfer Customizing data
- More Scrambling and BPL content
- Continuous improvements in Process Execution for automation of TDMS Process for other solutions
- Enriched user guides

### Future Direction

#### Strategic Developments

##### *Simplified user experience*

- Easy selection of features during upgrade
- Modular TDMS configuration and execution
- Guided modeling for TDMS BPL and data scrambling
- Standard templates for required content in the TDMS solutions
- Automated diagnosis and corrections for errors

##### *Content enrichment and consistency*

- Enriched SAP TDMS analytics
- Coverage of SAP innovations like SuccessFactors, Hybris and S/4 HANA
- Extended coverage for industry solutions

This is the current state of planning and may be changed by SAP at any time.

# Application Supported Releases and Software Components

## Requirements for TDMS Control System

- ❑ SAP Web AS 7.00 or higher
- ❑ Minimum 4000 SAPS, 20 GB hard drive

## Requirements for TDMS on HANA System

- ❑ Start with system shell creation and an SAP upgrade to SAP ECC 6.16
- ❑ Realize SAP OS/DB migration to SAP HANA

## Lowest supported Releases

- ❑ ERP: 4.7
- ❑ HCM: 4.7
- ❑ BW: 7.0
- ❑ CRM: 5.0
- ❑ SCM: 7.0
- ❑ SRM: 7.0
- ❑ GTS: 8.0
- ❑ SAP Retail: 6.0
- ❑ SAP Oil & Gas: 4.7
- ❑ SAP for Banking: 6.0
- ❑ SAP for Utilities: ERP 6.0, CRM 6.0

## Control/Central System (NetWeaver – 7.0x - 731)

DMIS\_CNT 2011

DMIS 2011

SAP\_ABA

SAP\_BASIS

## Sender/Receiver Systems (Release 4.7 – 731)

DMIS\_CNT 2011

DMIS 2011

SAP\_ABA

SAP\_BASIS



# Engineering Services for TDMS

# SAP Test Data Migration Server software

## SAP Landscape Transformation Services based on SAP TDMS Software

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To complement and enable customers to fully leverage the potential of SAP TDMS software, SAP offers the engineering service (ESRV) Landscape Transformation Management for Premium Engagement customers (SAP MaxAttention or SAP Active Embedded). It consists of the following subservices:

### **The SAP ESRV LT Assessment where SAP TDMS experts**

Efficiently assess your as-is situation

Evaluate your migration requirements

Reveal options to implement your migration requirement based on SAP TDMS

Recommend the most suitable option for your requirement

Support you to address migration requirements that have customer-specific aspects

As a result of this service, you will understand the best solution approach for your migration requirement.

### **The SAP ESRV LT Setup, SAP ESRV LT Test Conversion and SAP ESRV GoLive where SAP TDMS experts provide**

Tailored step-by-step guidance and enablement to execute migration projects on your own

Support to safeguard the success of the migration project

Support to optimize the use of SAP Test Data Migration Server

As a result of this service, you will efficiently and effectively build up TDMS expertise and can fully leverage SAP TDMS for your migration requirements.

# Key links for more information

For customers and partners

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## Key links

- Road maps @ SAP.COM [https://support.sap.com/content/dam/website/roadmaps/en\\_us/platform-and-technology/SAP%20Test%20Data%20Migration%20Server%20Road%20Map.pdf](https://support.sap.com/content/dam/website/roadmaps/en_us/platform-and-technology/SAP%20Test%20Data%20Migration%20Server%20Road%20Map.pdf)
- SAP TDMS @ SAP.COM <http://www.sap.com/solution/lob/it/software/test-data-migration-server/index.html>
- SAP TDMS @ SAP Support Portal <http://support.sap.com/tdms>
- SAP TDMS @ SAP Community Network <http://scn.sap.com/community/test-data-migration-server>
- SAP TDMS @ SAP Help Portal <http://help.sap.com/saptdm40>
- SAP TDMS @ SAP Education <https://training.sap.com/shop/course/tdms10-test-data-configuration-and-execution-with-sap-tdms-40-remoteclassroom-094-in-en/>
- SAP TDMS – Executive Video <http://www.youtube.com/watch?v=scEgslVKwE>
- SAP TDMS Fiori app video <http://demo.tdc.sap.com/speeddemo/86a4634a33e4463f>

## Where to go to provide product feedback and ideas

- SAP Idea Place <https://ideas.sap.com>
- Influence programs <http://service.sap.com/influence>
- SAP User Groups <http://www.sapusergroups.com/>

# Shipments and References

3000+ Shipments to date



Reference Customers





# Thank you



## Tanu Mithal

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