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Using Data Archiving to Prepare for your Migration to S/4 HANA

PBS Software Americas, Inc.

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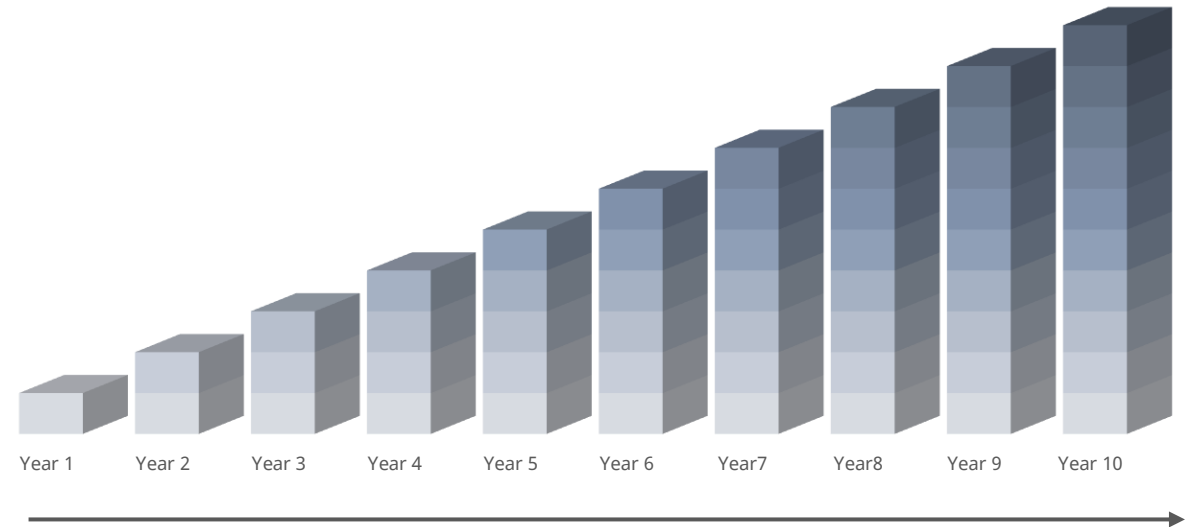


In this session

We will review how data archiving and data management strategies can help you prepare for a move to S/4HANA by Optimizing your SAP database volume.

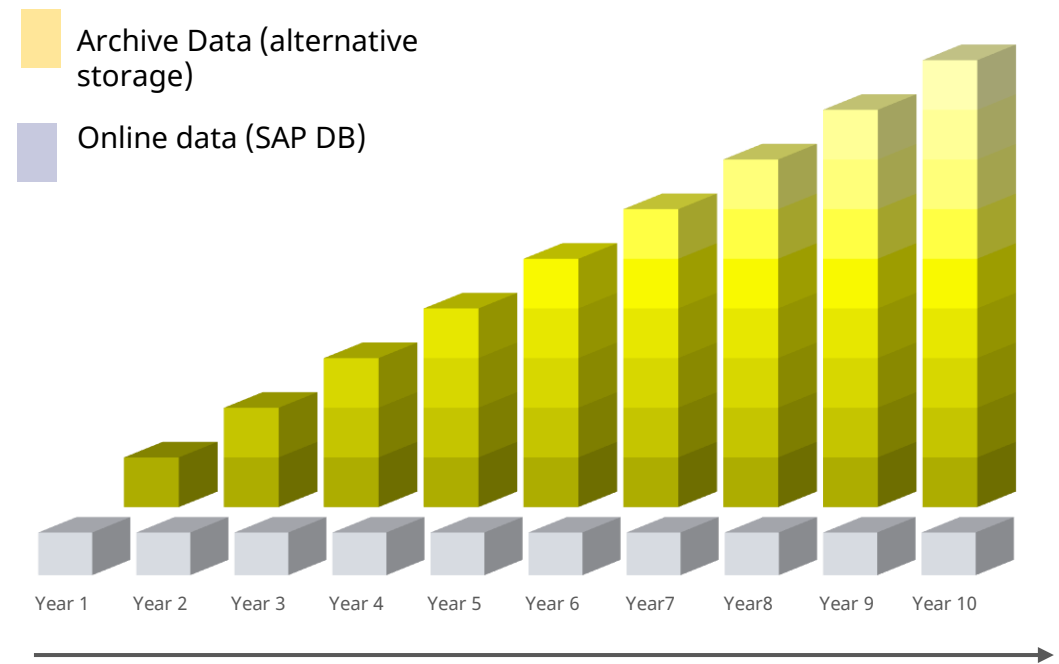
Typical Growth in SAP System

- Incremental growth of the database is a natural result of business operations
- New SAP functionality as well as mergers and acquisitions may introduce unexpected spikes in data growth
- Impact:
 - Infrastructure / Systems infinite capacity
 - System maintenance increases
 - Transaction and query performance degrades over time which affects end-user productivity



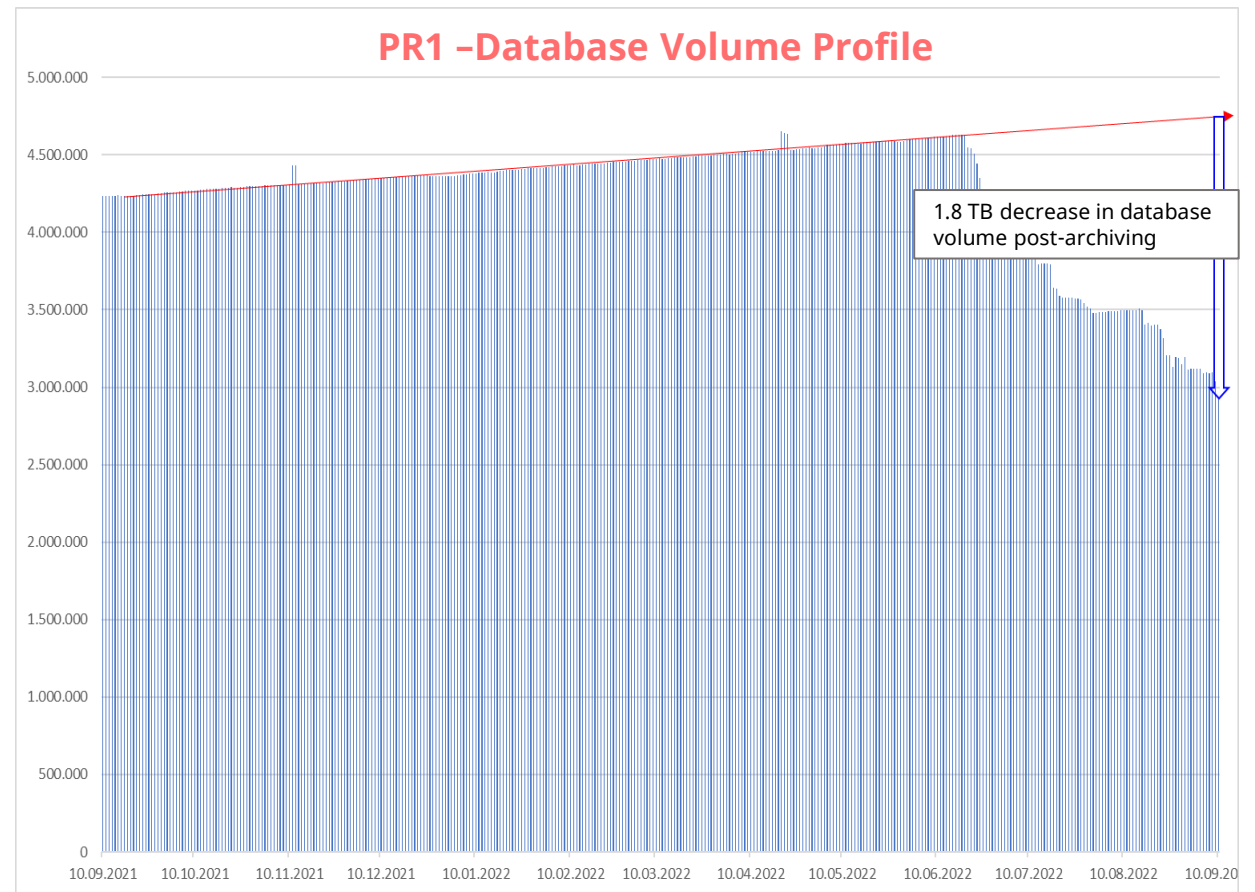
SAP Standard Archiving Functionality

- SAP provides standard SAP Archive Objects that enable moving business-complete or technically complete data to alternative storage
- When consistently adopted, it provides SAP customers the opportunity to ...
 - ✓ Stabilize or slow the growth of data in the online database
 - ✓ Improve response time for business transactions and reports by decreasing the amount of data
 - ✓ Enable compliance by retaining data
 - ✓ Reduce the amount of data for migration to S/4
 - ✓ Lead to a reduction of the SAP HANA instance size which equates to lower costs



Customer Example

- Experience an average 10% growth of data per year (400GB+ per year)
- Required a system reduction to prepare for a move from ECC to S/4HANA
- With an aggressive implementation of standard SAP data archiving, the SAP DB was decreased by half within 1 year





Recommendations for Effective Data Archiving

- Starting with “low hanging fruit” or the largest objects where archiving can be done with limited effort
- To ensure optimal functioning of the standard SAP programs, search SAP notes for the objects planned for archiving
- Customer specific Z* tables can be archived but the SAP Infrastructure needs to be created. **PBS CUSTOM** was designed to generate the SAP archiving infrastructure for custom archive objects.
- Data archiving is a **recurring** activity. Archiving must be performed weekly, monthly or annually depending on the archive object and residence time.
- Ensure archived SAP data is kept on compliant storage. PBS can link state-of-the art fixed content storage systems with SAP using the lean and effective interface solution **PBS ContentLink**.
- Tables beginning with SYS_LOB* are LOB segments that store BLOB data. These require further analysis to determine the best data management strategy. Many times this data is SAP Office from table SOFFCONT1 and using a PBS Partner tool can be migrated off the database to lower cost storage.
- Table and index size reductions will not be realized until a DBMS level reorganization is performed

Taming the Data Monster: Why doesn't everyone archive?

- End-users fear they will lose business views of archived-data
- Our company has data retention policies that will not allow us to “delete” information from the database
- “We need detailed data retained for both real-time business transactions and historical reporting (including Audit and Compliance)”





Archiving combined with PBS Software solutions

- Enables a more-aggressive archiving approach while maintaining data-retention policies
- Ensures easy access to data with familiar transactions
- Provides flexibility to view:
 - Archive data
 - Production data
 - Combinations of both from the same transactions



PBS archive add-ons ® vs. SAP Transactions

SAP Standard: FBL1N

The screenshot shows the SAP Standard FBL1N Vendor Line Item Display. The interface includes a header with the SAP logo and a title bar. Below the header, there are several sections: Vendor selection, Selection using search help, and Line item selection. The Vendor selection section contains fields for Vendor account (1000), Company code (1000), and a 'to' field. The Selection using search help section contains fields for Search help ID and Search string, with a 'Search help' button. The Line item selection section contains a 'Status' section with radio buttons for 'Open items', 'Cleared items', and 'All items'. The 'Open items' radio button is selected, and the 'Open at key date' field is set to 08/25/2022. There are also fields for 'Clearing date' and 'Posting date' with 'to' fields.

PBS Transaction: /PBS/FBL1N

The screenshot shows the PBS Transaction /PBS/FBL1N Vendor Line Item Display. The interface is similar to the SAP Standard version but includes additional options. The Vendor selection section contains fields for Vendor account (1000), Company code (1000), and a 'to' field. Below these fields, there is a field for '1=DB+archive 2=DB 3=archive' with a value of '1', highlighted by a red arrow. The Selection using search help section contains fields for Search help ID and Search string, with a 'Search help' button. The Line item selection section contains a 'Status' section with radio buttons for 'Open items', 'Cleared items', and 'All items'. The '1=DB+archive 2=DB 3=archive' field is selected, highlighted by a red arrow, and the 'Open at key date' field is set to 08/25/2022. There are also fields for 'Clearing date' and 'Open at key date' with 'to' fields.

PBS archive add-ons ® vs. SAP Transactions

Vendor Line Item Display

Vendor: 1000
 Company Code: 1000
 Company code:
 Name: C.E.B. BERLIN
 City: Berlin

St	Assignment	DocumentNo	Type	Doc. Date	S	DD	Amount in local cur.	LCurr	Clrng doc.	A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	20000000032000	ZP	31.01.2000			223,17	EUR	2000000003	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	51000000142000	RE	11.01.2000			223,17-	EUR	2000000003	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	200000000242000	ZP	25.02.2000			203,77	EUR	2000000024	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	510000000472000	RE	09.02.2000			203,77-	EUR	2000000024	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10000000042	EU	06.04.2000			0,01	EUR	2000000030	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	200000000302000	ZP	31.03.2000			78.611,23	EUR	2000000030	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	510000000792000	RE	07.03.2000			223,17-	EUR	2000000030	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	510000000842000	RE	02.02.2000			12.831,69-	EUR	2000000030	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	510000000852000	RE	28.02.2000			12.915,91-	EUR	2000000030	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	510000000862000	RE	30.03.2000			13.064,78-	EUR	2000000030	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	200000000472000	ZP	30.04.2000			223,17	EUR	2000000047	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	51000001082000	RE	07.04.2000			223,17-	EUR	2000000047	*
*	<input checked="" type="checkbox"/>						39.575,69	EUR		
**	Account 1000						39.575,69	EUR		

Results List /pbs/FBL1N

← Database data

← Archive data via PBS index

← Totals from archive and database

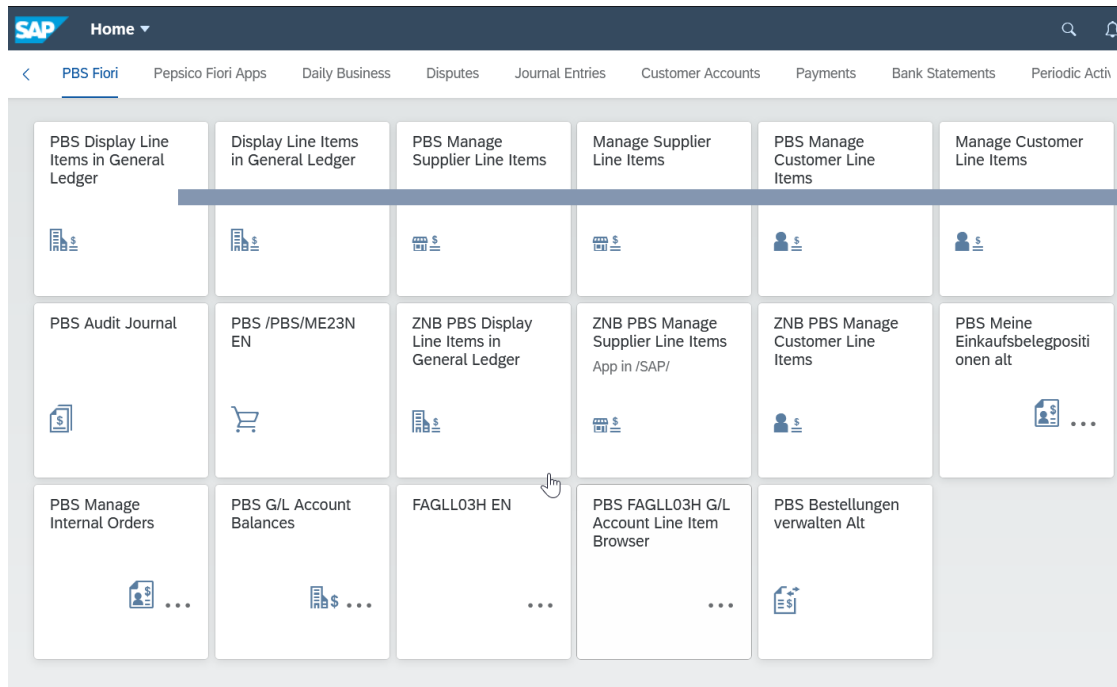
PBS archive add-ons ® vs. SAP Transactions

With a mouse click, you can navigate within document flow to previous and subsequent documents, even in linked modules.

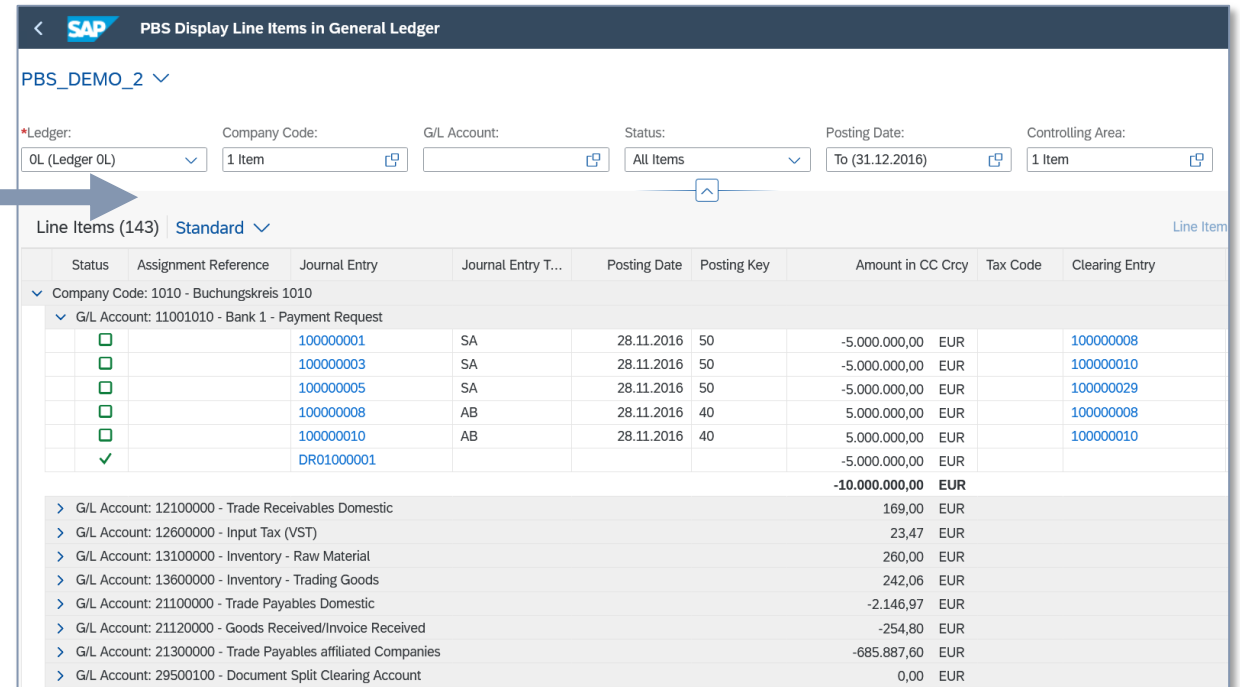
The screenshot displays three overlapping SAP interface windows. The top window shows a document overview with options like 'Status overview' and 'Display document'. The middle window shows document details for 'OBERBOERSCHG' with an 'Archive' button highlighted by a red box. The bottom window shows item details for 'Pump PRECISION 102' with an 'Archiv' button highlighted by a red box. The interface includes various navigation icons and data fields for dates, quantities, and values.

Item	Description	Billed Quantity	SU	Net value	Material	Cost	Tax amount
10	Pump PRECISION 102		23PC	69,000.00	P-102	16,447.30	0.00

PBS Enhances SAP Fiori Apps with Archived Data Access



SAP Fiori Launchpad with PBS Apps



PBS App with access to real-time and archived data

Key Points to take Home: How to Tame the Data Monster

- Managing data volume in SAP environments is essential in supporting business operations
- End-users require data from archived sources and transactional databases
- PBS Software add ons provide the capability to access detailed information that otherwise would not be available – in ECC or S/4HANA environments
- Seamless data access in ECC or S/4HANA environments can be achieved
- Post migration access to legacy data is available through updated PBS Archive add ons



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