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

PBS Software Americas, Inc.

Ann Bichler, Sr. SAP Data Archiving Consultant
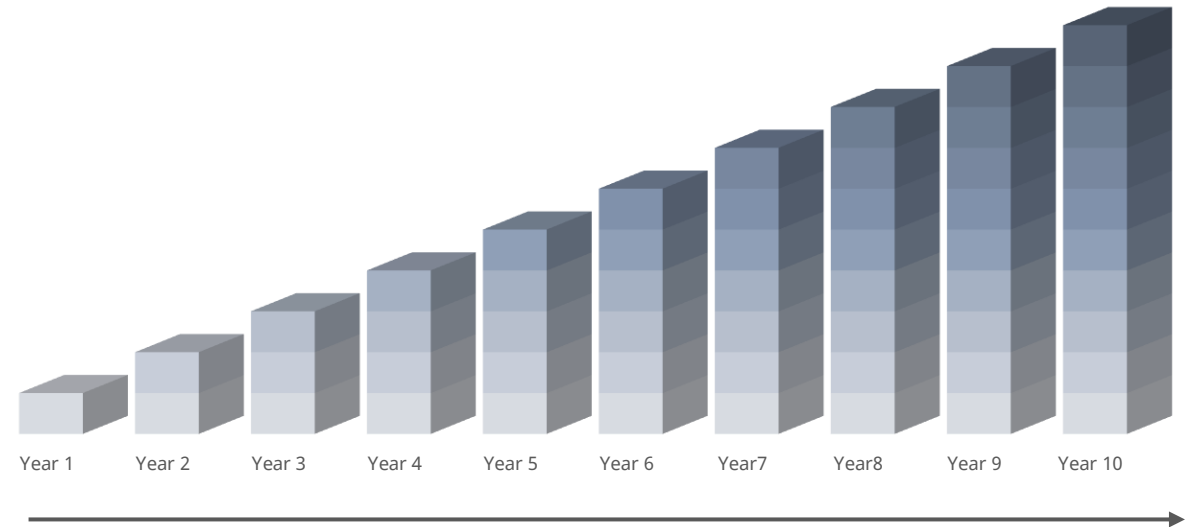
Prepare the Future, keep the Past

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.
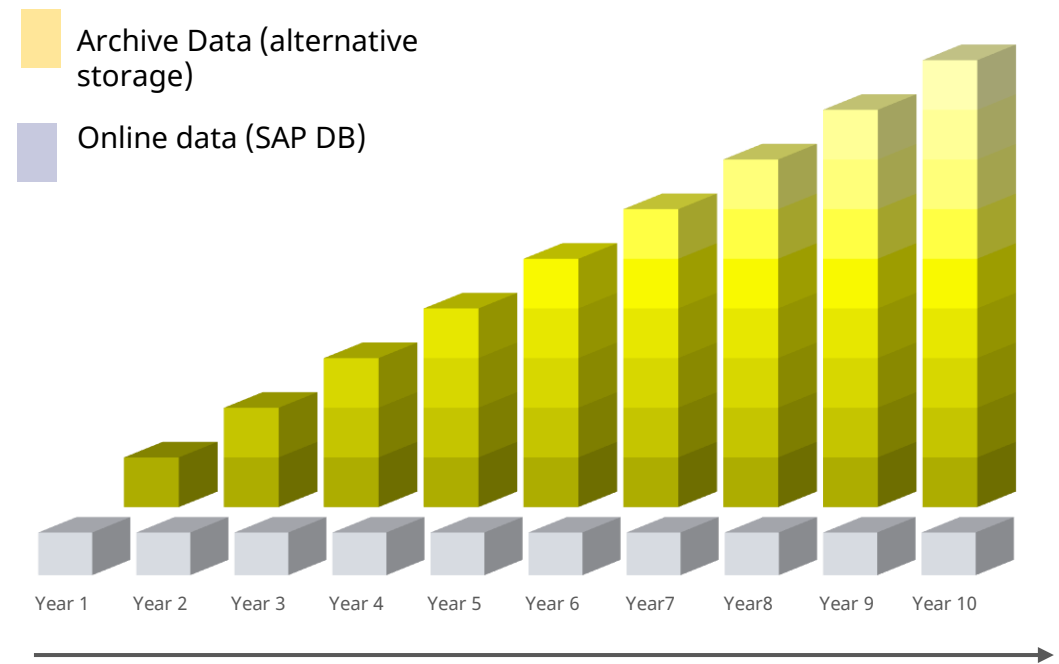
Typical Growth in SAP System

- Incremental growth of the database is a natural result of business operations

- New SAP functionality as well as mergers and acuqisitions 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

Year 1   Year 2   Year 3   Year 4   Year 5   Year 6   Year7   Year8   Year 9   Year 10

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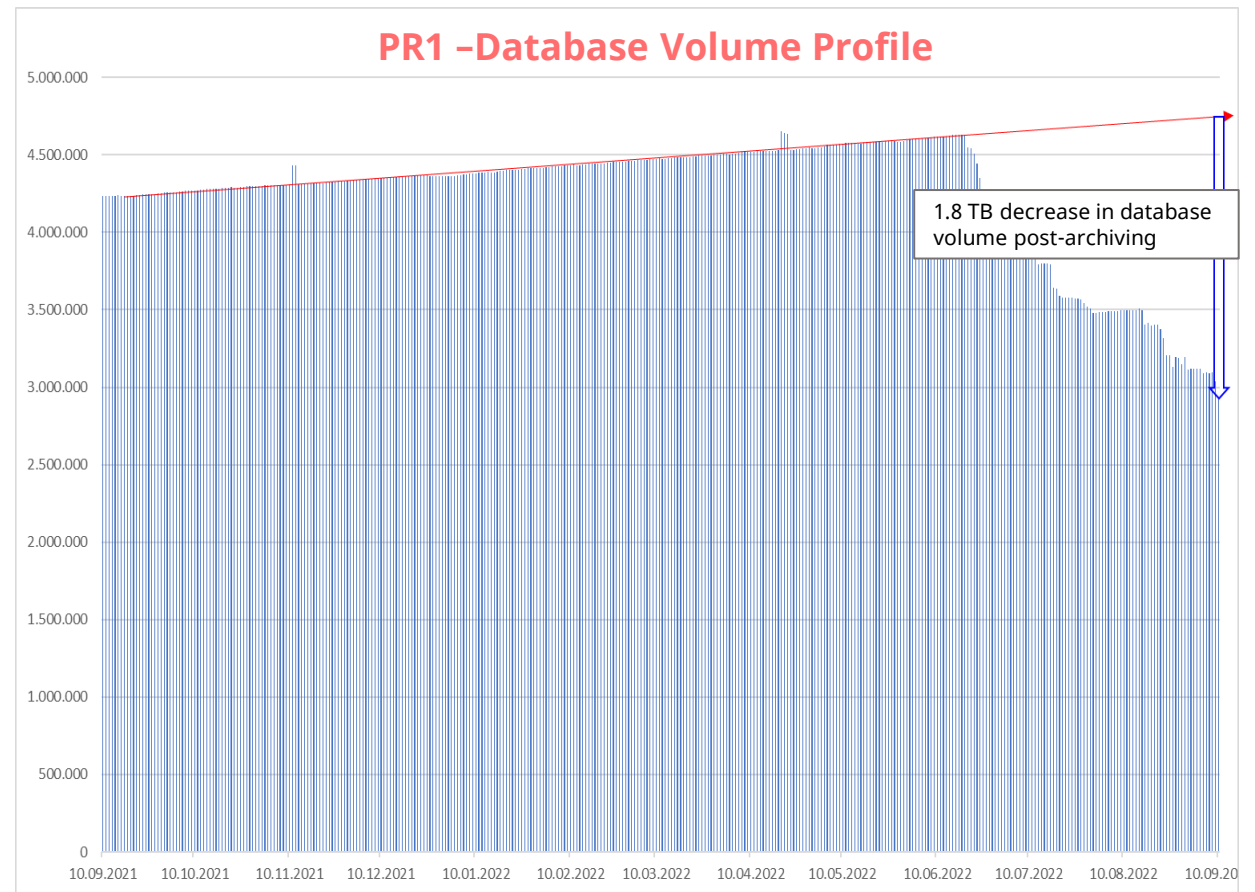software americas

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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

Archive Data (alternative storage)

Online data (SAP DB)

Year 1   Year 2   Year 3   Year 4   Year 5   Year 6   Year7   Year8   Year 9   Year 10

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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

PR1 –Database Volume Profile

1.8 TB decrease in database volume post-archiving

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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

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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)"

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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

PBS Transaction: /PBS/FBL1N

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PBS archive add-ons ® vs. SAP Transactions

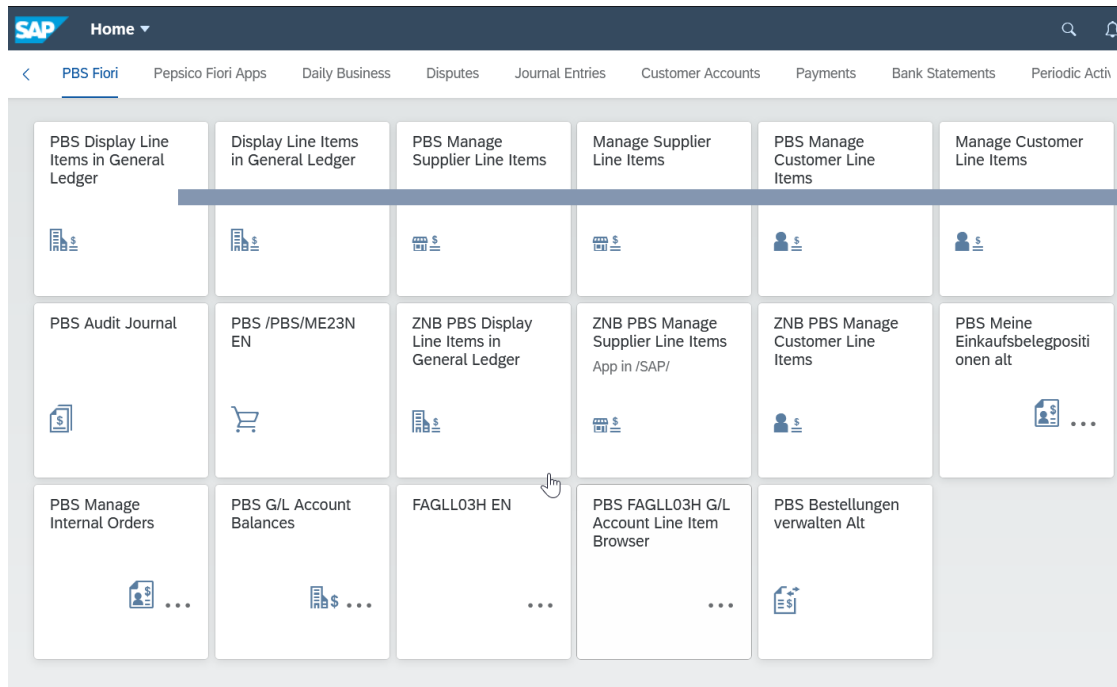Prepare the Future, keep the Past

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.
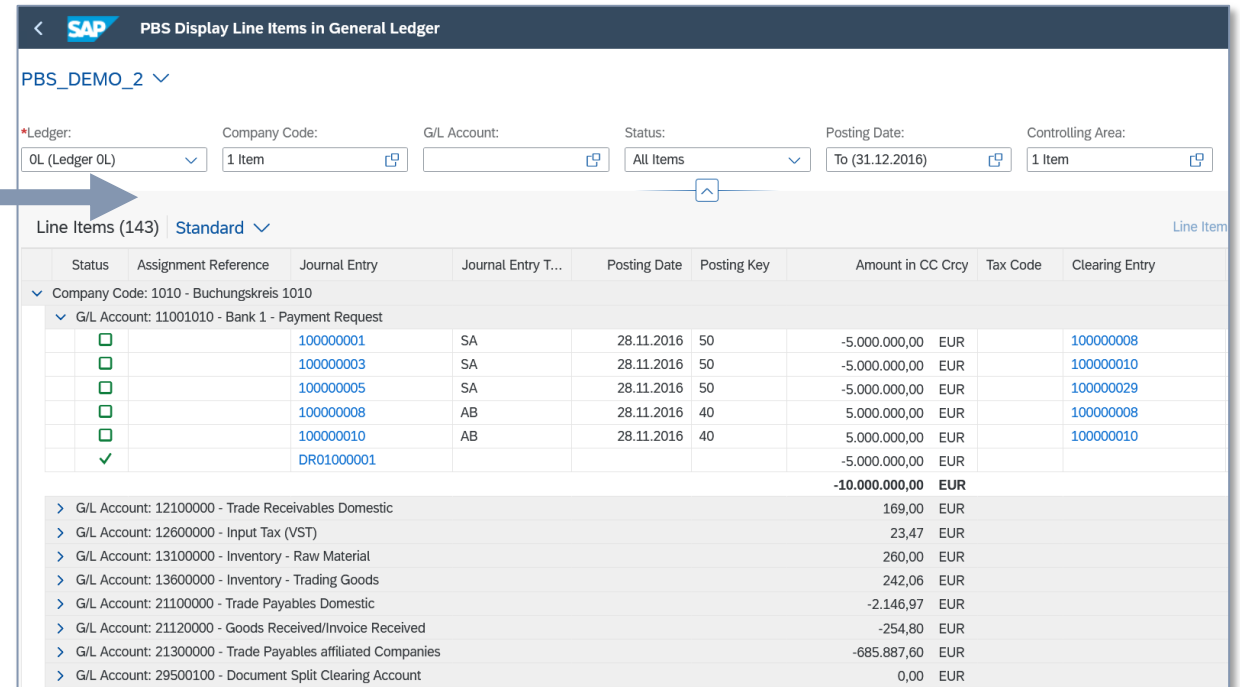
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PBS Enhances SAP Fiori Apps with Archived Data Access

SAP Fiori Launchpad with PBS Apps

PBS App with access to real-time and archived data

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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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