



ASUG Tennessee

Using Data Archiving to Prepare for S/4HANA

PBS Software Americas, Inc.

PBS Software Americas, Inc.

Trusted provider of SAP data archiving, compliant storage, and SAP system decommissioning solutions for the world's leading companies

- A wholly-owned US - based subsidiary of PBS Software GmbH
- PBS Software GmbH Founded in 1991
- 1000+ customers worldwide
- 5000+ PBS solutions deployed in production environments



Jason Stansberry

Director of Client Solutions

PBS Software Americas Inc



SAP Partnership

- PBS Software has partnered with SAP since 1998
- SAP PartnerEdge Build partner
- Solutions certified by SAP SE (ICC) for use with SAP S/4HANA
- American SAP User Group (ASUG) Gold Member



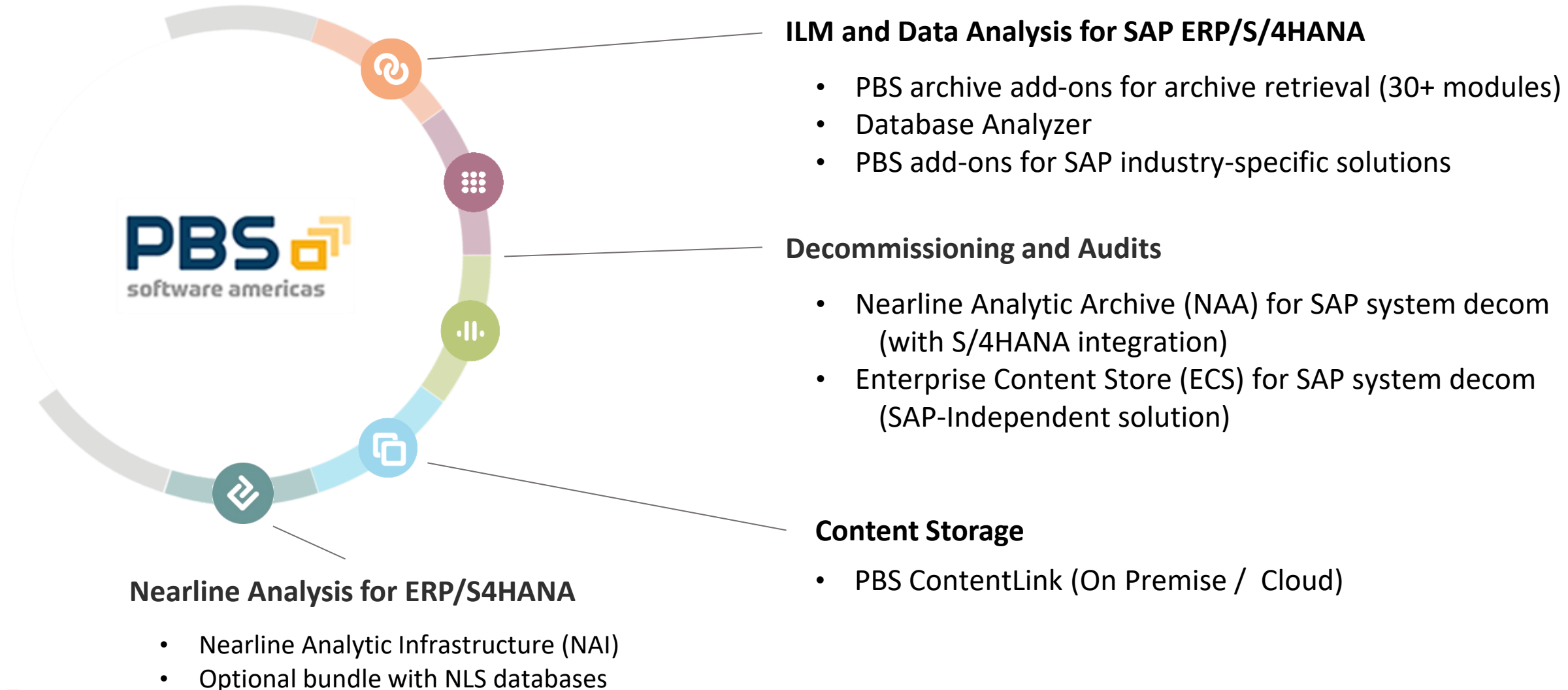
SAP[®] Certified
Powered by SAP NetWeaver[®]

SAP[®] Certified
Integration with SAP NetWeaver[®]



ASUG

PBS Solutions Portfolio





In This Session

We will review how data archiving and data management strategies can help you prepare for a move to S/4HANA and manage your environment post-migration

- Optimizing your SAP data volume
 - (get lean and stay lean)
- Move your content to the cloud early
- Stay compliant by maintaining legacy data

S/4 Migration Approach

1.Greenfield Approach:

1. In a Greenfield approach, a new SAP S/4HANA system is implemented from scratch.
2. Data and processes are rebuilt, allowing organizations to reevaluate and streamline business processes.

2.Brownfield Approach:

1. Brownfield involves transforming the existing SAP ECC system into SAP S/4HANA.
2. Data and configurations are preserved, which is beneficial for historical continuity.
3. However, this approach may inherit any legacy issues and requires detailed system conversion.

3.Bluefield Approach:

1. Bluefield combines elements of both Greenfield and Brownfield approaches.
2. A new S/4HANA system is set up alongside the existing ECC system.
3. Specific business processes or data sets are selectively migrated to the new system, offering flexibility and the opportunity for process optimization.

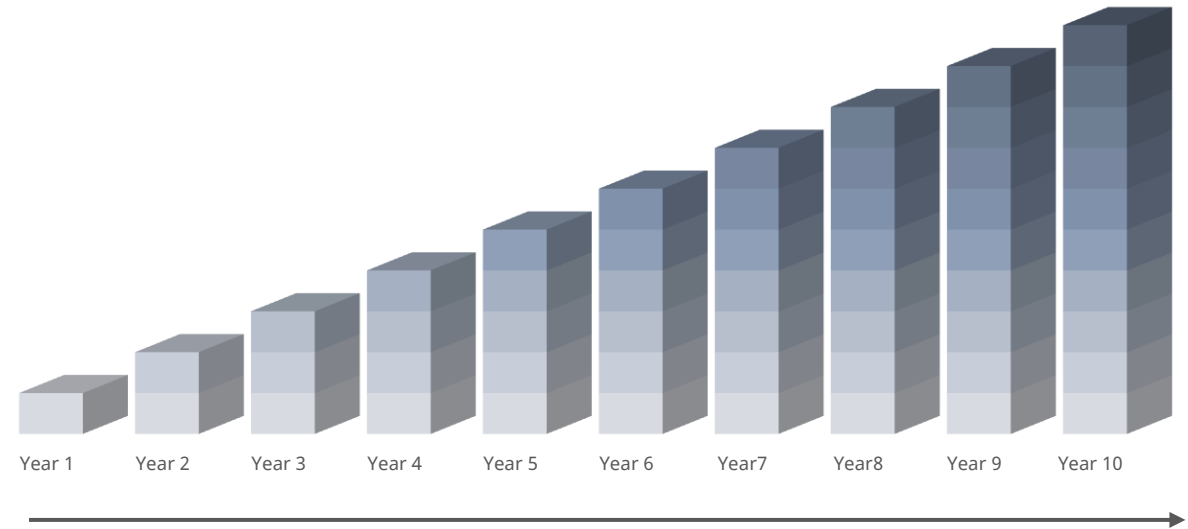


**Manage (or minimize)
your existing
Database**

Get Lean, Stay Lean

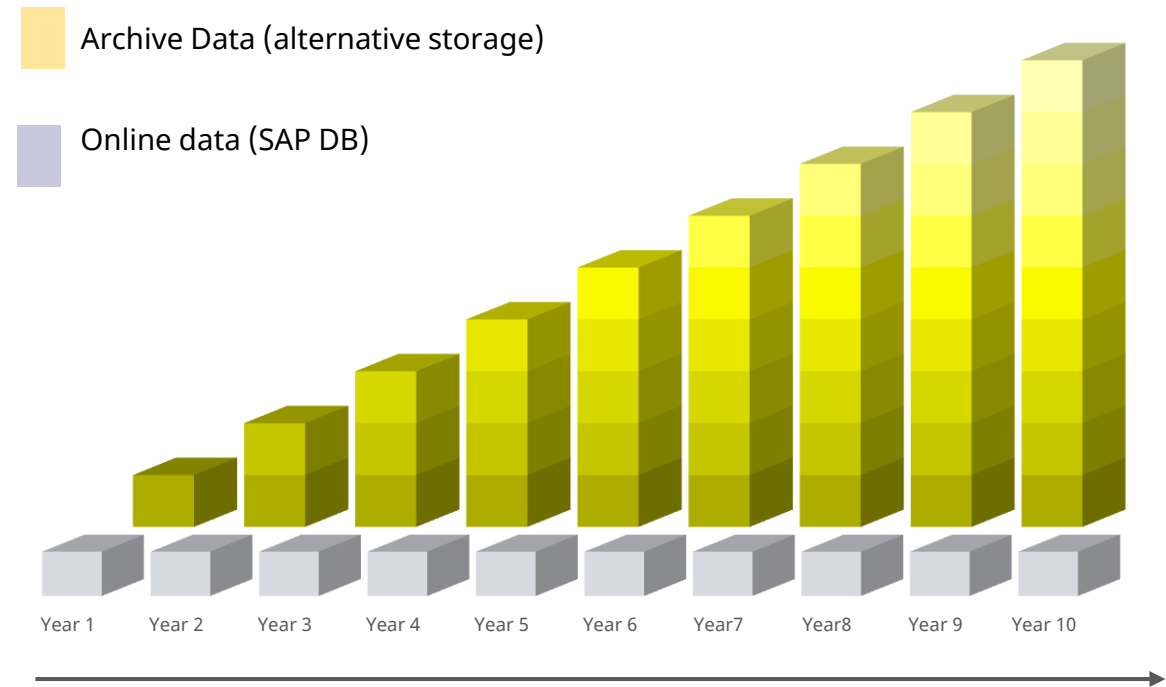
Typical Growth in SAP Systems

- Incremental growth of data is a natural result of business operations
- Addition of new functionality in SAP may introduce unexpected spikes in data growth
- Impact:
 - Infrastructure / Systems have limited capacity with resource constraints
 - System maintenance increases
 - Transaction and query performance / response times degrade over time
 - Affects end-user productivity
 - ... And results in increased costs for user and system impact



SAP Standard Archiving Functionality

- SAP provides a structured data archiving process that enables archival of business-complete / technically complete data to alternative storage using “SAP Archive Objects”
- Archive Objects are structured to safely move groups of data by type from the online database to alternative storage
- When consistently adopted, it provides SAP customers the opportunity to ...
 - ✓ Stabilize or slow the growth of data in the online database
 - ✓ Improves response time for business transactions and analytics/ reports by decreasing the amount of resident data
 - ✓ Enables compliance by retaining data
 - ✓ Minimizes the amount of data required for migration to a new environment (S/4)



Why doesn't everyone archive?

- End-users fear they will lose the needed 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
 - ...or 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 interface. It includes sections for Vendor selection, Selection using search help, Line item selection, and Type. The Vendor selection section has fields for Vendor account and Company code. The Selection using search help section has fields for Search help ID and Search string. The Line item selection section has radio buttons for Open items, Cleared items, and All items, along with date fields for Open at key date, Clearing date, and Posting date. The Type section has checkboxes for Normal items and Special G/L transactions.

PBS Transaction: /PBS/FBL1N

The screenshot shows the PBS Transaction /PBS/FBL1N Vendor Line Item Display interface. It includes sections for Vendor selection, Selection using search help, Line item selection, and Type. The Vendor selection section has fields for Vendor account and Company code, with a dropdown menu for the status. A red arrow points to the dropdown menu. The Selection using search help section has fields for Search help ID and Search string. The Line item selection section has radio buttons for Open items, Cleared items, and All items, along with date fields for Open at key date, Clearing date, and Posting date. A red arrow points to the status dropdown menu. The Type section has checkboxes for Normal items and Special G/L transactions.

End user query selection..

- 1= DB + Archive
- 2= DB
- 3=Archive

PBS archive add ons [®] vs. SAP Transactions

SAP Standard: FBL1N

✓ [dropdown] [icons] Additional Data Cancel

Vendor [1000] C.E.B. BERLIN G/L Acc [160000]
Company Code [1000] Kolping Str. 15a
BestRun Germany Berlin Doc. no. [1900005198]

Line Item 1 / Invoice / 31

Amount	[31,000.00]	EUR
Tax code	[V1]	

Additional Data

Bus. Area	[]	
Disc. base	[0.00]	EUR
Disc. Amount	[0.00]	EUR
Payt Terms	[ZB01]	Days/percent [14] [3.000] % [30] [2.000] % [45]
Blinc Date	[09/04/2003]	Fixed []
Pmnt Block	[]	Invoice Ref. [] / [] / [0]
Payment cur.	[]	Pmnt/c amnt [0.00]
Pmt Method	[]	
Clearing	[09/04/2003] / [1500000001]	
Assignment	[19000051972003]	
Text	[]	[Long text]

PBS Transaction: /PBS/FBL1N

✓ [dropdown] [icons] Additional Data Cancel

Vendor [1000] C.E.B. BERLIN G/L Acc [160000]
Company Code [1000] Kolping Str. 15a
BestRun Germany Berlin Doc. no. [1500000014]

Line Item 2 / Outgoing payment / 25

Amount	[24,000.00]	DEM	Amount in LC	[12,271.01]	EUR
Tax code	[]				

Additional Data

Bus. Area	[]	
Disc. Amount	[0.00]	DEM
Days/percent	[]	
Blinc Date	[02/04/1996]	
Pmnt Block	[]	Invoice Ref. [] / [] / [0]
Pmt Method	[]	
Clearing	[02/04/1996] / [1500000014]	Payment Amnt [24,000.00] DEM
Assignment	[]	
Text	[]	[Long text]

PBS archive add ons [®] vs. SAP Transactions

SAP Standard: FBL1N

Vendor 1000
 Name C.E.B. BERLIN
 Street Kolping Str. 15a
 City Berlin 12001
 TelephoneNumber +49

Company Code 0005 BestRun Germany new GL
 Clerk at vendor
 TelephoneNumber +49 (6894) 55501-0-
 Clrk's internet
 Acct w/ vendor
 Payt Terms ZB01 14 days 3%, 30/2%, 45 net
 Account memo

St	Assignment	DocumentNo	Type	Doc. Date	S	DD	Amount in local cur.	LCurr	Clrng doc.	A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	19000000002008	KR	04/02/2008			210,919.00-	EUR	2000000000	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	19000000012009	KR	02/01/2009			325.00-	EUR	2000000000	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	19000000022009	KR	03/03/2009			210,919.00-	EUR	2000000000	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	19000000102006	KR	01/19/2006			320.00-	EUR	2000000000	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	19000000112006	KR	01/19/2006			320.00-	EUR	2000000000	

PBS Transaction: /PBS/FBL1N

Vendor 1000
 Name C.E.B. BERLIN
 Street Kolping Str. 15a
 City Berlin 12001
 TelephoneNumber +49

Company Code 1000 BestRun Germany
 Clerk at vendor
 TelephoneNumber +49 (6894) 55501-0-
 Clrk's internet
 Acct w/ vendor
 Payt Terms ZB01 14 days 3%, 30/2%, 45 net
 Account memo

St	Assignment	DocumentNo	Type	Doc. Date	S	DD	Amount in local cur.	LCurr	Clrng doc.	A
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1500000014	KZ	02/04/1996			12,271.01	EUR	1500000014	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5100000157	RE	02/03/1996			12,271.01-	EUR	1500000014	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	100000646	AN	04/01/1995			25,564.59-	EUR	1500003697	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	100000648	AN	01/01/1994			17,895.22-	EUR	1500003697	*
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1900000024	KR	12/15/1994			1,457.18-	EUR	2000000004	*

PBS archive add ons [®] vs. SAP Transactions

SAP Standard: FBL1N

✓ [dropdown] [icons] Additional Data Cancel

Vendor C.E.B. BERLIN G/L Acc
Company Code Kolping Str. 15a
BestRun Germany Berlin Doc. no.

Line Item 1 / Invoice / 31

Amount EUR
Tax code

Additional Data

Bus. Area	<input type="text"/>	Disc. base	<input type="text" value="0.00"/> EUR	Disc. Amount	<input type="text" value="0.00"/> EUR
Payt Terms	<input type="text" value="ZB01"/>	Days/percent	<input type="text" value="14 3.000 % 30 2.000 % 45"/>	Fixed	<input type="text"/>
Bline Date	<input type="text" value="09/04/2003"/>	Invoice Ref.	<input type="text"/> / <input type="text"/> / <input type="text" value="0"/>		
Pmnt Block	<input type="text"/>	Pmnt/c amnt	<input type="text" value="0.00"/>		
Payment cur.	<input type="text"/>				
Pmt Method	<input type="text"/>				
Clearing	<input type="text" value="09/04/2003"/> / <input type="text" value="1500000001"/>				
Assignment	<input type="text" value="19000051972003"/>				
Text	<input type="text"/>				

[Long text](#)

PBS Transaction: /PBS/FBL1N

✓ [dropdown] [icons] Additional Data Cancel

Vendor C.E.B. BERLIN G/L Acc
Company Code Kolping Str. 15a
BestRun Germany Berlin Doc. no.

Line Item 2 / Outgoing payment / 25

Amount DEM Amount in LC EUR
Tax code

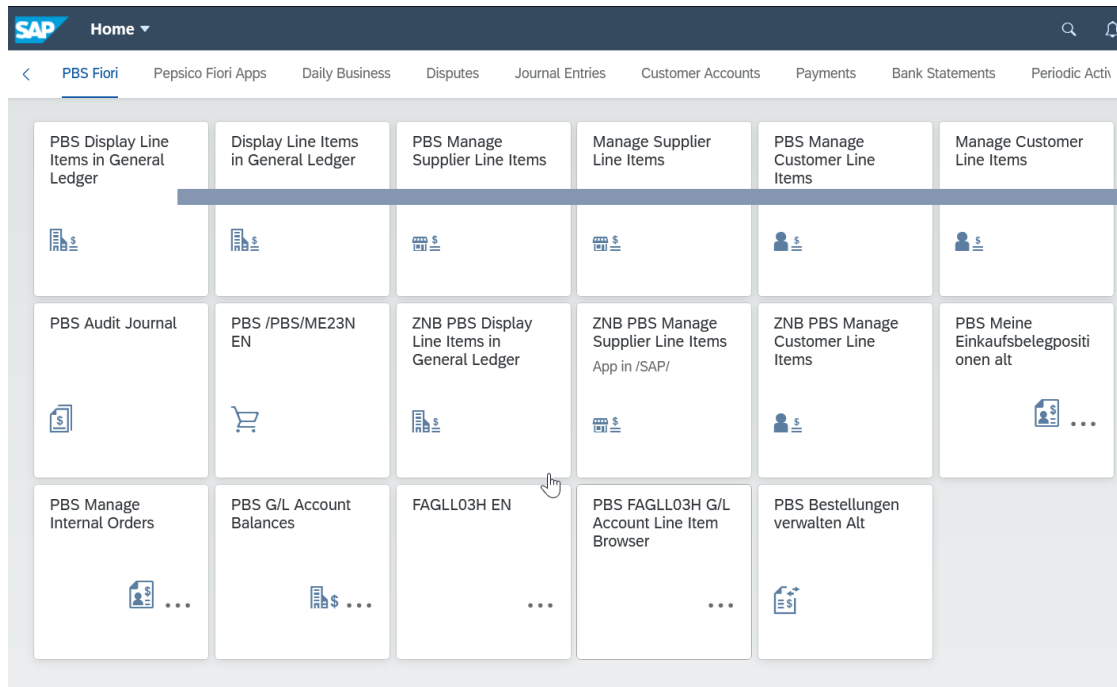
Additional Data

Bus. Area	<input type="text"/>	Disc. Amount	<input type="text" value="0.00"/> DEM	
		Days/percent	<input type="text"/>	
Bline Date	<input type="text" value="02/04/1996"/>	Invoice Ref.	<input type="text"/> / <input type="text"/> / <input type="text" value="0"/>	
Pmnt Block	<input type="text"/>			
Pmt Method	<input type="text"/>			
Clearing	<input type="text" value="02/04/1996"/> / <input type="text" value="1500000014"/>		Payment Amnt	<input type="text" value="24,000.00"/> DEM
Assignment	<input type="text"/>			
Text	<input type="text"/>			

[Long text](#)

Document 1000 1500000014 1996 is already archived [View details](#)

PBS Enhances SAP Fiori Apps with Archived Data Access



The screenshot shows the 'PBS Display Line Items in General Ledger' app. The top navigation bar includes 'PBS_DEMO_2'. Below it, there are filters for Ledger (OL (Ledger OL)), Company Code (1 Item), G/L Account, Status (All Items), Posting Date (To (31.12.2016)), and Controlling Area (1 Item). The main area displays a table of line items with columns: Status, Assignment Reference, Journal Entry, Journal Entry T..., Posting Date, Posting Key, Amount in CC Crcy, Tax Code, and Clearing Entry. The table shows a list of line items for Company Code: 1010 - Buchungskreis 1010, with a total amount of -10.000.000,00 EUR. Below the table, there is a list of G/L Accounts with their respective amounts and currencies.

Status	Assignment Reference	Journal Entry	Journal Entry T...	Posting Date	Posting Key	Amount in CC Crcy	Tax Code	Clearing Entry
✓		100000001	SA	28.11.2016	50	-5.000.000,00 EUR		100000008
		100000003	SA	28.11.2016	50	-5.000.000,00 EUR		100000010
		100000005	SA	28.11.2016	50	-5.000.000,00 EUR		100000029
		100000008	AB	28.11.2016	40	5.000.000,00 EUR		100000008
		100000010	AB	28.11.2016	40	5.000.000,00 EUR		100000010
		DR01000001				-5.000.000,00 EUR		
						-10.000.000,00 EUR		
G/L Account: 12100000 - Trade Receivables Domestic						169,00 EUR		
G/L Account: 12600000 - Input Tax (VST)						23,47 EUR		
G/L Account: 13100000 - Inventory - Raw Material						260,00 EUR		
G/L Account: 13600000 - Inventory - Trading Goods						242,06 EUR		
G/L Account: 21100000 - Trade Payables Domestic						-2.146,97 EUR		
G/L Account: 21120000 - Goods Received/Invoice Received						-254,80 EUR		
G/L Account: 21300000 - Trade Payables affiliated Companies						-685.887,60 EUR		
G/L Account: 29500100 - Document Split Clearing Account						0,00 EUR		

SAP Fiori Launchpad with PBS Apps

PBS App with access to real-time and archived data



File & Document Preparation

**Move Your Content to
the Cloud Early**

Migrate Archive / ArchiveLink Document to the Cloud Early

- Focus on cloud-centric storage of Archive documents
- If documents are stored in the local SAP system or on-premise file systems, it increases the dependency to migrate data during migration projects
- If Archive files and documents are not current stored in the cloud (AWS, MS-Azure, GCP), start planning to move the documents to the cloud in advance of a move to S/4HANA
- With Cloud-compliant storage solutions, you have the option to update your ECC content management environment to a lean system that supports common cloud technology.
 - Use for advance storage of historic and new SAP archive files (ADK's), Archivelink documents, print-lists, and more.

Content Cloud Migration - Benefits

- This gives the flexibility to migrate to a platform that supports the future S/4HANA environment
- Reduces the dependency for on-premise storage
- Places archive data in a platform that's ready to connect to the future S/4HANA system.
- Minimizes decisions of additional data that requires movement at the time of migration from ECC to S/4



**Stay Compliant By
Ensuring Access to
Legacy Data**

Where will your legacy SAP data live?

- If focusing on a green-field approach, will you continue to maintain a legacy system for years to ensure access to legacy data?
- The requirements for maintaining legacy data may be a key driver in the approach used for the data migration.
- If selecting a Greenfield approach, will you be required to maintain the legacy ECC system(s) for XX years for tax / audit / historical reporting?
- Are there compliance requirements to maintain data?

Legacy Data - Approaches

- Greenfield
 - Legacy systems or a decommissioning solution may needed to be maintained for data retention requirements
- Brownfield
 - Legacy data is migrated to S/4HANA, but at a higher infrastructure cost / effort to migrate all system data to the S/4HANA environment
- Bluefield
 - Partial data is migrated, but retention / compliance / audit requirements may require ongoing access to legacy data
 - Legacy systems or a decommissioning solution may needed to be maintained for data retention requirements

Legacy Data - Approaches

- Based on the approach for your organization, determine if a legacy decommissioning system is required so...
 - Aging infrastructure can be removed
 - Licenses for legacy systems can be reduced
 - Costs can be lowered with the implementation of the new infrastructure



Q & A

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