



# GDPR: ILM compliant Archiving with Retention Management

Ulf Steiner, PBS Software GmbH



# Agenda

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1. Implementation of GDPR
2. Our smart Solution – PBS ContentLink
3. Retention with SAP ILM
4. SAP ILM – Implementation in Practice



# Implementation of GDPR

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The implementation of GDPR is a project:

1. Evaluation of requirements
2. Valuation of the area of validity (systems and their limits, processes)
3. Drafting ILM rules
4. Clarify technical requirements (also infrastructure)
5. Implementation only with SAP ILM
  - a) Installation/Activation of SAP components and services
  - b) Connection of a **suitable archive system**
  - c) Implementation of ILM rules

# Technical Implementation

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- Technical implementation of requirements should be as easy as possible.
- Focus and resources should remain on the SAP application.
- How can an implementation that is as lean as possible look like?

... another gateway?

... another hidden database?

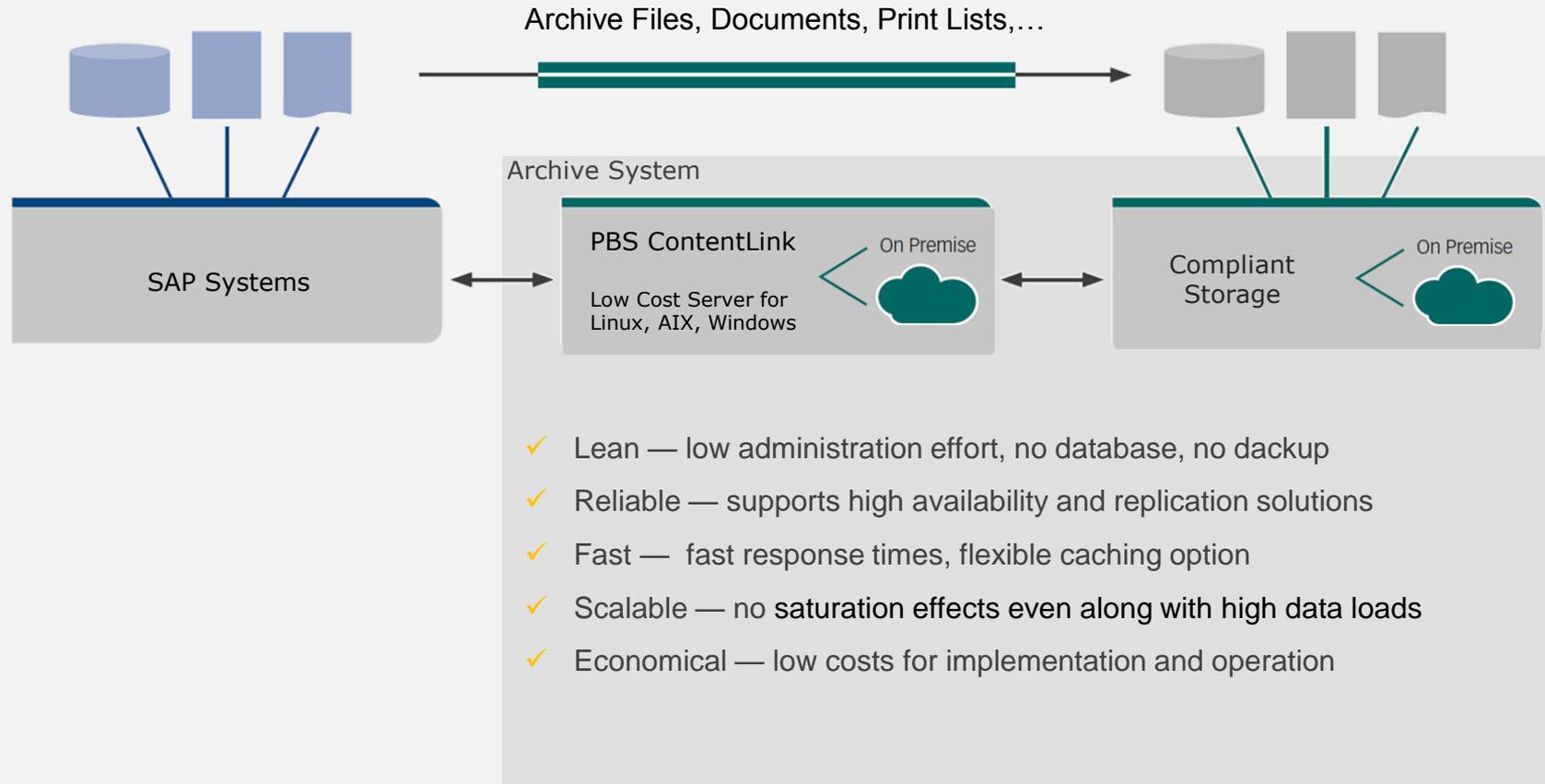
... another plugin?

...another adapter?

... an additional interface?

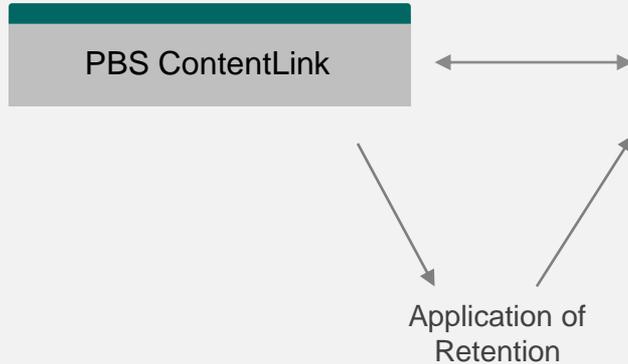
... or a protocol wrapper?

# PBS ContentLink – our smart Solution



# PBS ContentLink – Compliant Storage

- Problem: Not every storage system is suitable for the Retention Management
- SAP ILM requirements: You need the **object level retention!**



## Storage Systems:

- Object Level Retention**
  - EMC Centera, Celerra, VNX, Isilon, ECS
  - NetApp FAS
  - Hitachi HCP, HNAS
  - iTernity iCAS
  - Gru Data Filelock
- Bucket Level Retention:**
  - IBM DR550, IA, SSAM, Spectrum Protect
  - NetApp Storage Grid
  - Cloudian HyperStore
- No retention:**
  - Amazon S3
  - Google Cloud
  - Microsoft Azure
  - generic NAS systems

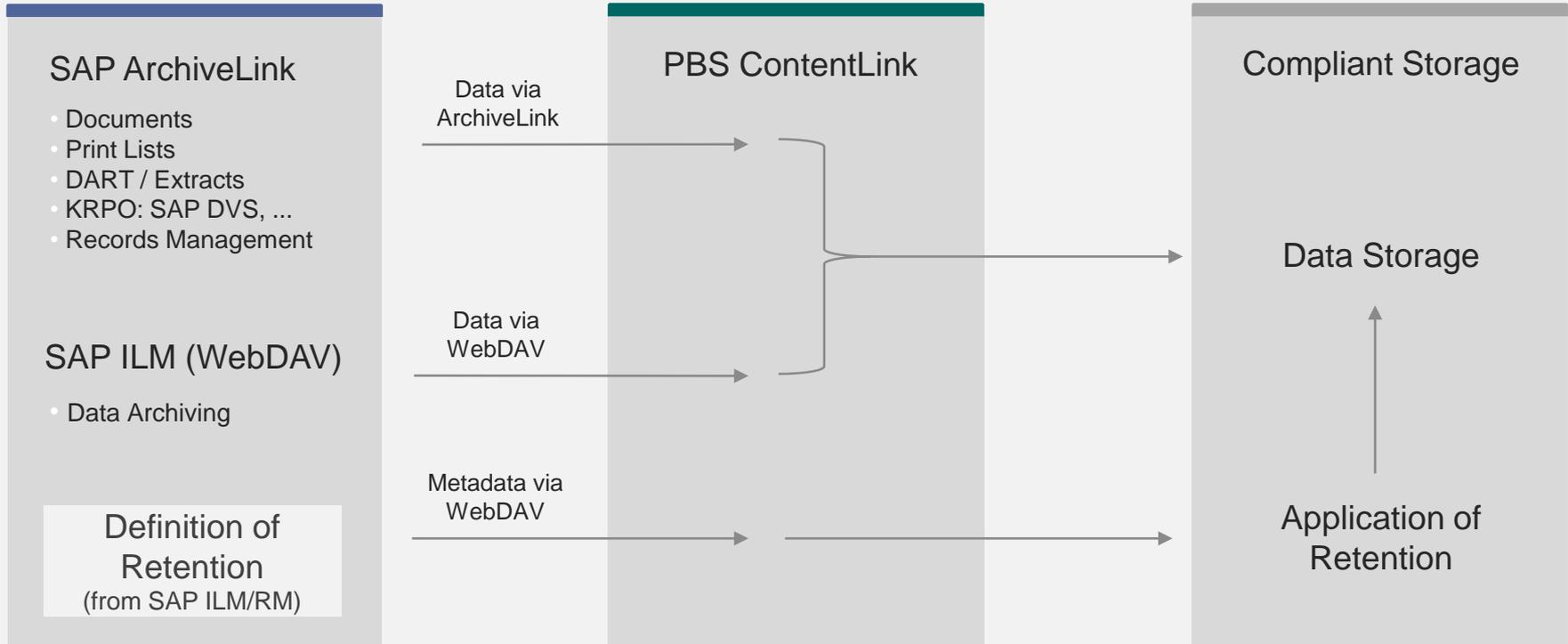
SAP ILM with retention via WebDAV and ArchiveLink with or without retention

Only ArchiveLink with or without retention

Only ArchiveLink without retention

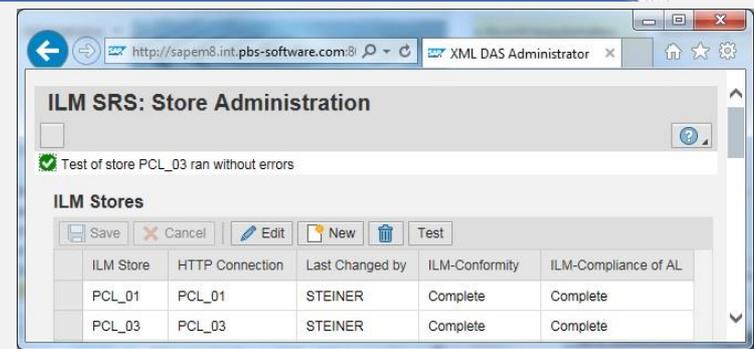
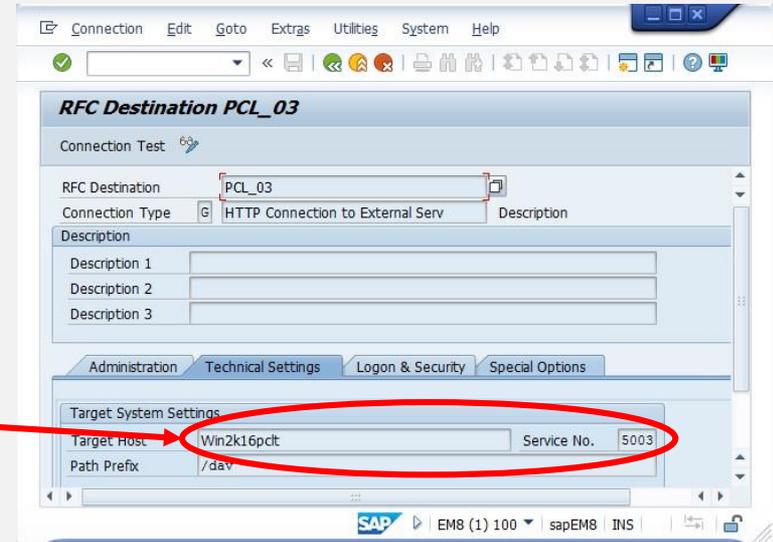
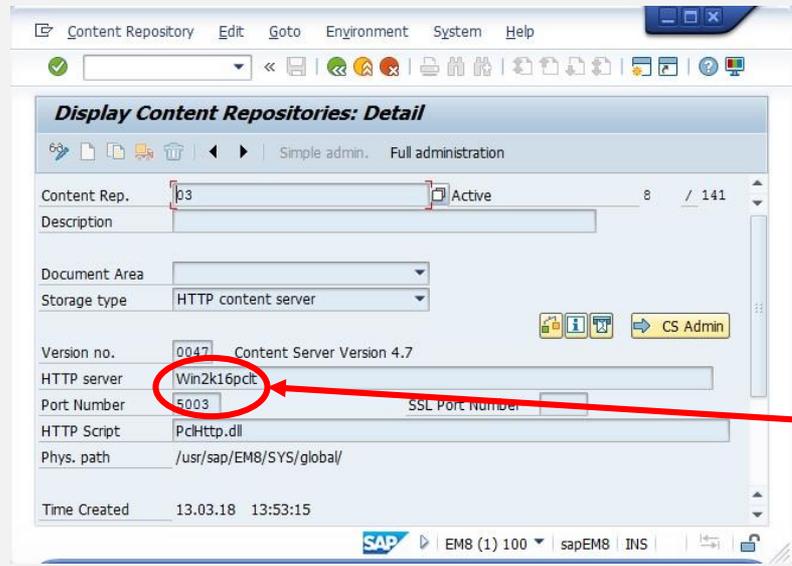
# Retention with SAP ILM

- Data Storage via **SAP ArchiveLink and WebDAV**
- Application of Retention via WebDAV also for SAP ArchiveLink Data



# PBS ContentLink – one for all

Parallel Protocols: SAP ILM (WebDAV) **and** SAP ArchiveLink



This enables the easy implementation of the retention on ArchiveLink data.

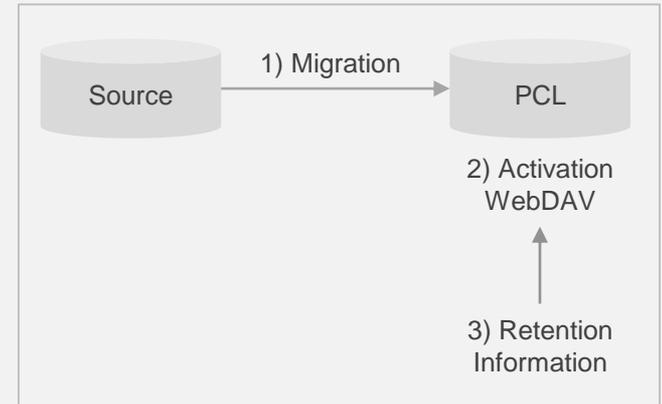
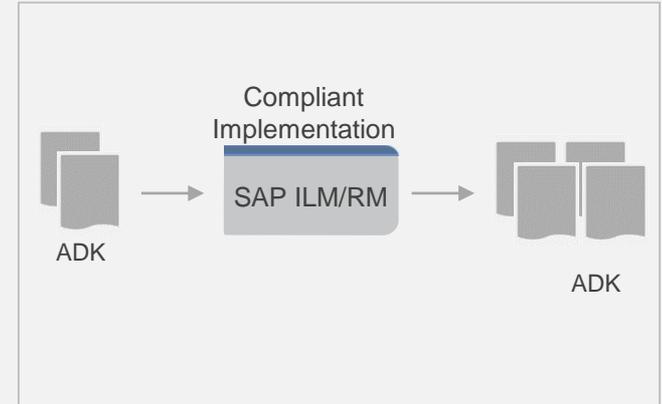
# ILM Implementation for new PCL Customers

## 1. SAP Data Archiving files (ADK)

- Existing ADK data has to be converted according to SAP ILM rules.
- It can be automatically migrated if it has already been stored via ArchiveLink.

## 2. Business Documents (PDF, ...)

- As this data is still written and read with ArchiveLink, it has to be migrated first.
- Then the SAP program can run to generate retention metadata and should be scheduled as recurring job to process recent data.



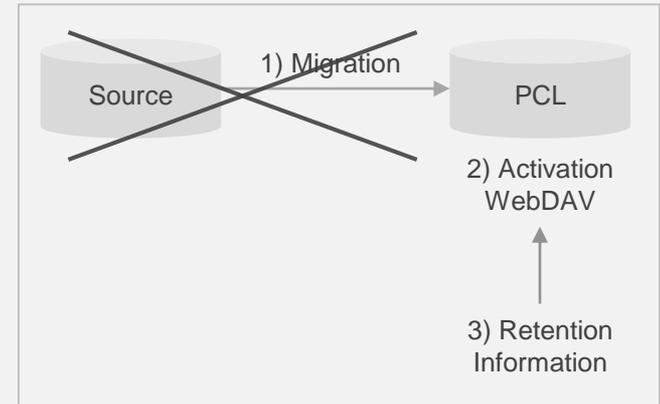
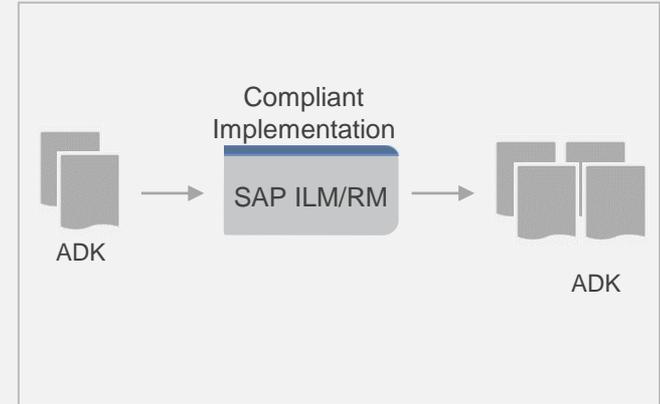
# ILM Implementation for PCL existing Customers

1.  
SAP Data Archiving files  
(ADK)

- Existing ADK data has to be converted according to SAP ILM rules.
- It can be automatically migrated if it has already been stored via ArchiveLink.

2.  
Business Documents  
(PDF, ...)

- As this data is still written and read with ArchiveLink, it does not have to be migrated in this case.
- Then the SAP program can run to generate retention metadata and should be scheduled as recurring job to process recent data.



# UI5 App – Statistics 1

PBS ContentLink Archive Data Statistics



## Archive Data Statistics

Total Amount Archiving Runs: 6991  
 Total Amount Objects: 194,910,751

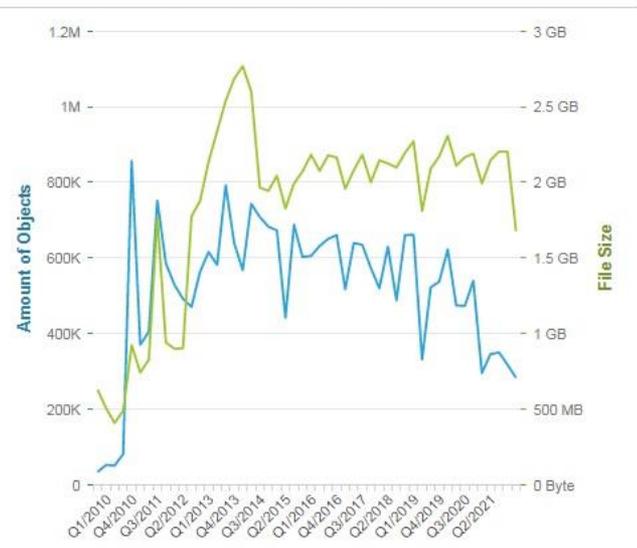
Total File Size: 446.03 GB

Content Repository (4)    Archiving Objects (45)

### Stored Archiving Files

<input type="checkbox"/>	Content Repository	Amount of Objects	File Size
<input type="checkbox"/>	P1	85,086,142	215.24 GB
<input type="checkbox"/>	P2	19,365,285	67.70 GB
<input checked="" type="checkbox"/>	P4	25,937,563	92.29 GB
<input type="checkbox"/>	PA	64,521,761	70.80 GB
<input type="checkbox"/>			

### Distribution of Objects / Expiration Date



# UI5 App – Statistics 2

PBS ContentLink Archive Data Statistics



## Archive Data Statistics

Total Amount Archiving Runs: 6991

Total File Size: 446.03 GB

Total Amount Objects: 194,910,751

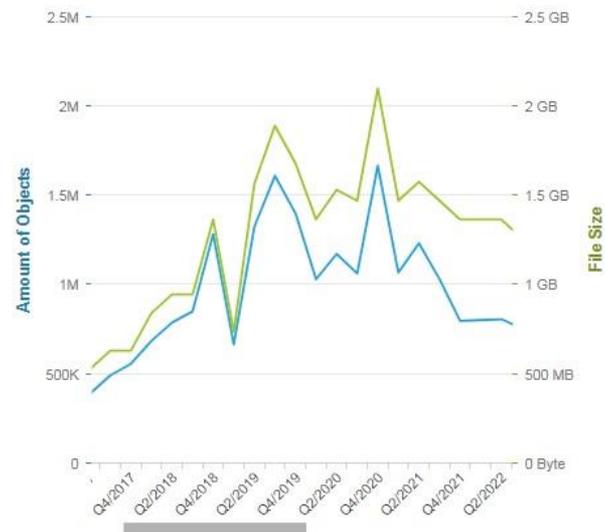
Content Repository (4)

Archiving Objects (45)

### Stored Archiving Files

<input type="checkbox"/>	Archiving Objects	Amount of Objects	File Size
<input type="checkbox"/>	FI_ACCPAYB	2,689	10.39 MB
<input type="checkbox"/>	FI_ACCRECV	996	1.96 MB
<input type="checkbox"/>	FI_BANKS	21	36.13 KB
<input checked="" type="checkbox"/>	FI_DOCUMNT	36,212,768	52.27 GB
<input type="checkbox"/>	FI_ELBANK	119,204	772.77 MB
<input type="checkbox"/>	FI_SL_DATA	28,186,082	17.75 GB
<input type="checkbox"/>	MM_EBAN	8,626,105	9.49 GB
<input type="checkbox"/>	MM EINA	16,708	29.79 MB
<input type="checkbox"/>	MM_EKKO	9,169,010	54.72 GB
<input type="checkbox"/>	MM_HDEL	1,791,553	4.10 GB

### Distribution of Objects / Expiration Date





## Ulf Steiner

Product Manager  
PBS ContentLink

PBS Software GmbH  
Schwanheimer Strasse 144a  
64625 Bensheim, Germany  
T: +49-6251-174 0

[ulf.steiner@pbs-software.com](mailto:ulf.steiner@pbs-software.com)  
[www.pbs-software.com](http://www.pbs-software.com)





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