

DOCUMENTS IN FIORI APPS – HDM-READY OR NOT?

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Important notes:

- **Focus: Documents** (not data or data archiving)
- SAP terminology is inconsistent across products and releases
→ Always pay close attention to the context and wording
- The contents have been prepared to the best of the author's knowledge; however, no warranty is given as to the accuracy, completeness, or timeliness of the information provided. Liability for any damages arising from the use of or reliance on the information contained herein is excluded to the fullest extent permitted by law.

Which system/solution?

- S/4HANA On-Premise, Private Cloud, Public Cloud?
 - Others:
 - BTP
 - Cloud ALM
 - Ariba, SuccessFactors, Transportation Management (TM)
 - ...
- **Current state: Different solutions, different definitions!**

What is a “document” in SAP context (S/4HANA)?

- **Digital documents** (digitally created documents or scanned paper documents with manual signature)
 - **“Static” / “dead” documents** (ArchivLink-document / GOS Business document)
 - no further changes after creation (legal requirements)
 - incoming or outgoing documents
 - created in SAP or imported (e.g. scans)
 - mainly used for simple storage
 - **“Living” documents** (DMS)
 - version-controlled
 - different attributes and document types
 - different MIME types
 - working version vs. released version
 - supports lifecycle / collaboration scenarios
- **Special: GOS attachment**
 - Change possible
 - No authority check
 - Stored in table if not changed to content repository
 - My recommendation: Do not use GOS attachment if app is HDM-enable

S/4HANA On-Premise / Private Cloud?

HDM – Harmonized Document Management

DMS (DE: DVS)

**ArchiveLink
document /
GOS – Business
document**

**GOS -
Attachments**

Document

Attachments

Output control

Output
documents

Output management

KPRO (Knowledge
Provider)

Document conversion

Document versioning

Content Repository

Content Category

Non-editable documents

S/4HANA On-Premise and S/4HANA Private Cloud

Current situation in fiori apps

- Not all fiori apps have been updated to the HDM approach yet
→ therefore different UI and attachment behaviors exist
- Fiori apps (not HDM-enabled)
 - attachment handling depends on design and release → typically DMS or GOS-based attachments
- Fiori apps (HDM-enabled)
 - attachment handling is configuration-driven and standardized (configuration DMS, Archivelink or GOS attachment)
- Check
 - SAP note: 3220119 - Business applications in SAP S/4HANA that have adopted Harmonized Document Management (HDM)
 - SAP note 3213661 - Business applications in SAP S/4HANA Cloud that have adopted Harmonized Document Management (HDM)

S/4HANA On-Premise and S/4HANA Private Cloud

- OData-Service CV_ATTACHMENT_SRV
- Class CL_ODATA_CV_ATTACHMENT_API
- Class CL_HDM_ATTACHMENT_API -> check, if HDM-enabled
 - Before save, document are stored in table
 - Table ODATA_CV_ATTACH -> Used for temporary storage only!!!
 - BADI_CV_ODATA_ATTACHMENTS_AUTH
- Configuration Content repository and Content Category necessary
- Check advance attachment service
- Depends on the business process and the use of the document, documents are not allowed to changed
 - E. g. invoice -> **legal requirements**
- DMS need several configurations
 - Document types
 - Storage
 - Attributes (classification)
 - ...

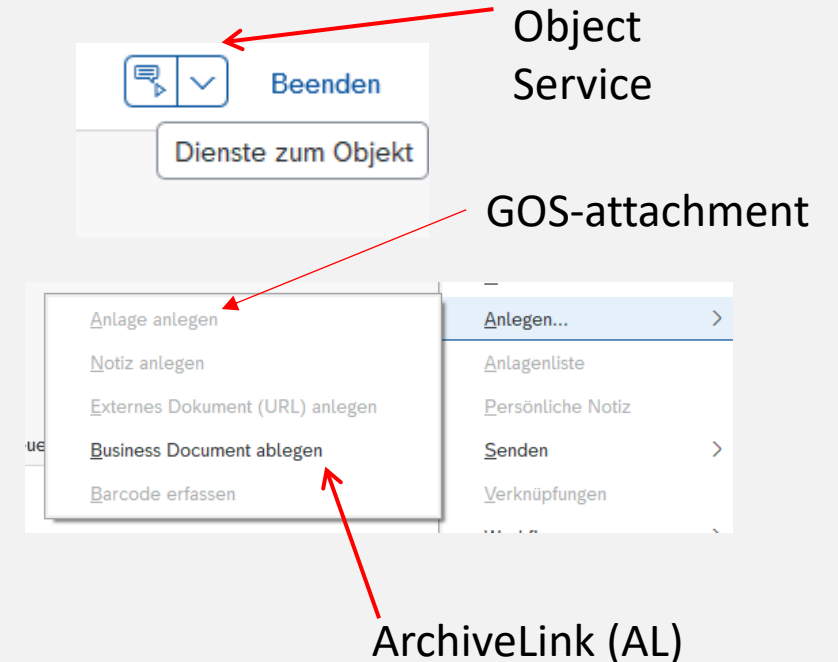
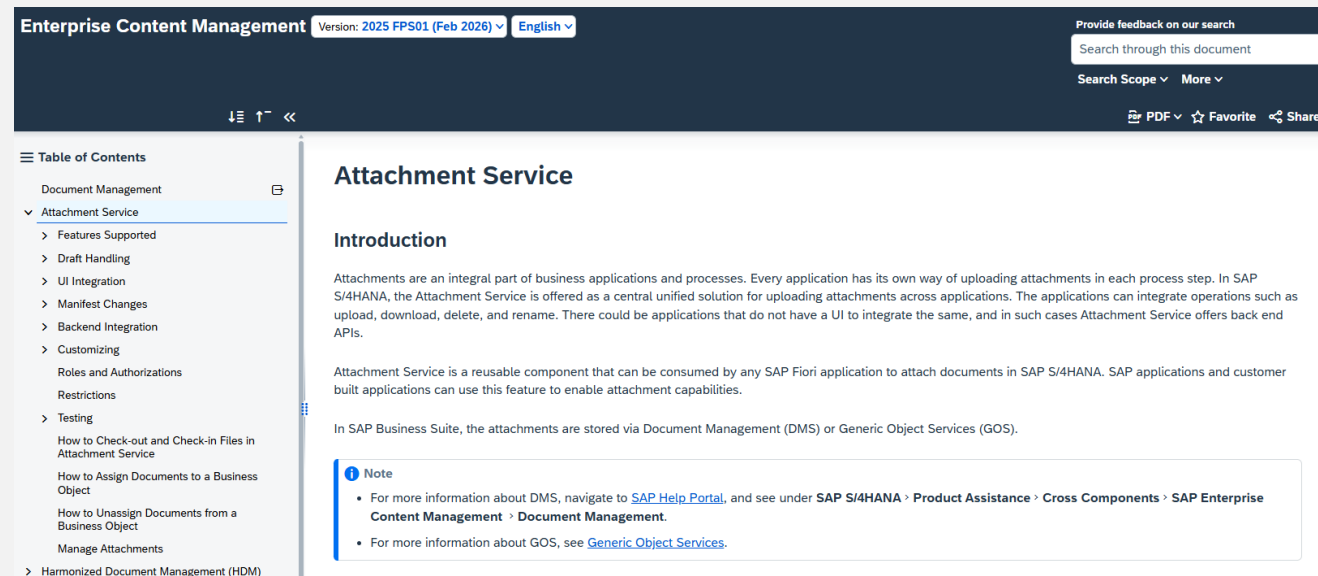
S/4HANA On-Premise and S/4HANA Private Cloud

My experiences and recommendations:

- Organisations migrating from SAP ECC to SAP S/4HANA On-Premise often still rely on established concepts such as DMS, ArchiveLink and GOS attachments
 - ➔ GOS-based attachments should be avoided
 - ➔ In older Fiori applications, attachment handling was often GOS-based depending on the business object. The recommended solution is to use DMS or, where necessary, ArchiveLink.
- NAST (SAP Print and Output Control) is still widely used. However, alternative „Document control“ approaches should be evaluated.
- Be careful with other solutions like SAP Transport Management (special attachment solution)
- My understanding is that the future will be BTP-based. In SAP S/4HANA however, DMS will remain the main approach until SAP establishes a unified document layer including a migration concept. For more details, refer to SAP presentations at DSAG or DSAG AK Dokumentenbasierte Prozesse.

Avoid to use GOS attachment (also avoid GOS-attachment in SAPGUI):

- Attachment Service to your rescue in S4HANA via Fiori - SAP Community (from 2019) – No, use DMS or AL!



Documentation?

- https://help.sap.com/docs/SAP_S4HANA_CLOUD/a630d57fc5004c6383e7a81efee7a8bb/e7ff65b0c2c34652995745c9416edc5e.html?locale=en-US
- https://help.sap.com/docs/SAP_S4HANA_ON-PREMISE/4c3d1c6b3d744f84aab4c273f979f430/bc275e43f1b043cc8f97710d5de64e97.html?locale=en-US
- <https://help.sap.com/docs/s4hana-best-practices/administration-guide-to-implementation-of-sap-s-4hana-cloud-private-edition-2023-with-sap-best-practices/setting-up-sap-s-4hana-attachment-services-back-end-system?locale=en-US>
- ...

Fiori App Manage Document F2733


Manage Documents


 KM

Standard

Search

Q

Editing Status:

All

Document Number:

Document Type:

Office-Docume... x

Document Version:

Document Part:

Document Description:

Document Status:

User:

Go Adapt Filters (1)

Documents (2)
Standard

Download Originals Copy Create New Version Create

Fiori App Manage Document F2733

<

SAP

Document

Q

KM

20000000139

Edit

Related Apps

Document Type

Office-Documents (ZZ)

Deletion Flag

Not Marked for Deletion

CAD Indicator

Not Created from CAD

Document Status

In Work

Document Version

01

Document Number

20000000139

Document Part

000

Document Data

Object Links

Document Versions

Document Description

Classification

Originals

Document Description:

Document Status:

User:

Change Number:

In Work (IW)

MEYERK

-

Object Links

Standard

Object Description

Object Key

Customer

0000579999

Document Versions

Document Number

Document Type

Document Version

Document Part

No entries found

Document Description

Standard

Language

Document Description

DE

Brief xyz

Questions: