# Modernizing SAP ArchiveLink for S/4HANA Cloud Private on RISE and Cloud Public.
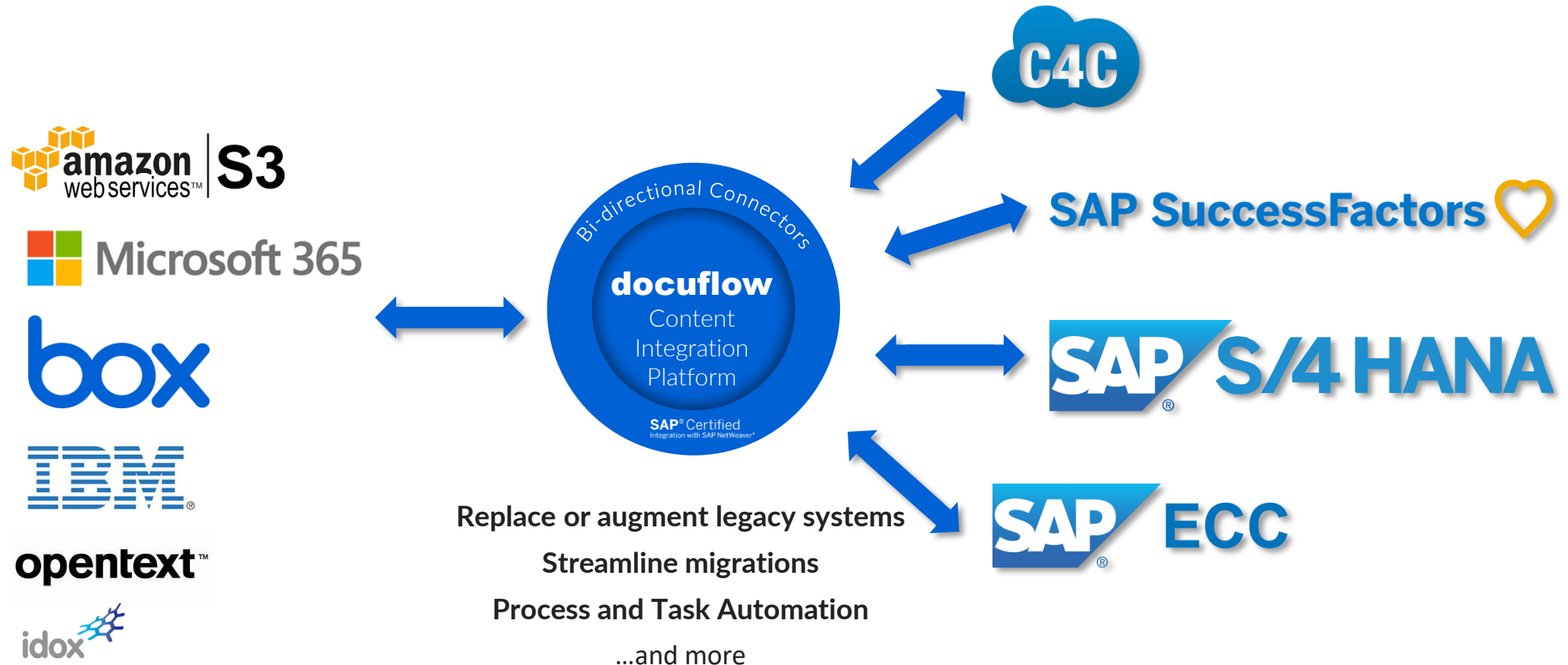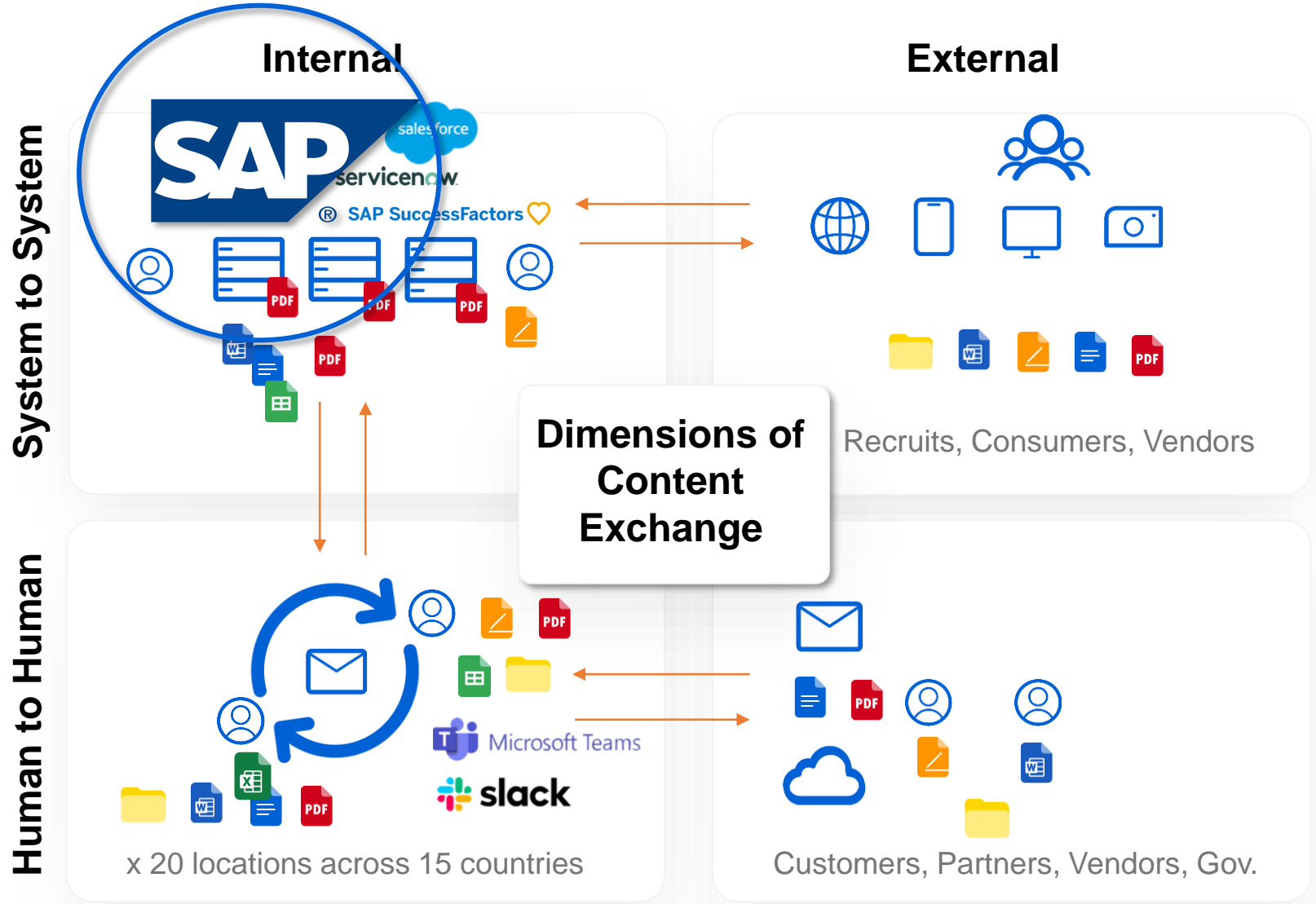
# VersaFile docuflow

**Helping SAP organizations modernize how they integrate and automate content across their enterprise.**

Bi-directional Connectors

**docuflow**
Content Integration Platform

SAP® Certified
Integration with SAP NetWeaver®

C4C

SAP SuccessFactors

SAP S/4 HANA

SAP ECC

amazon web services™ | S3

Microsoft 365

box

IBM®

opentext™

idox

**Replace or augment legacy systems**

**Streamline migrations**

**Process and Task Automation**

...and more

# From our point of view

Ability to do **this** is a Requirement for successful:

- Digital Transformation
- Task Automation
- Security & Compliance

**Internal**

**External**

**System to System**

**SAP**
salesforce
servicenow
® SAP SuccessFactors

Recruits, Consumers, Vendors

**Dimensions of Content Exchange**

**Human to Human**

Microsoft Teams
slack

x 20 locations across 15 countries

Customers, Partners, Vendors, Gov.

# What are the Challenges:

for SAP content integration today?

**High sustainment cost of legacy systems**
continue to increase, be it labour, hardware or licensing

**Expansion is time-consuming**
with projects being long-tail and expensive, drives down ROI

**Friction is high, user adoption is low**
due to lack of modern and easy ways to collaborate

**Security breaches are growing**
due to lack of modern, secure, and easy ways to collaborate

# Are the problems worth solving?

## Prep for S/4
- Remove content from ECC database
- Archive data objects
- Migrate content to cloud

ALMATIS
PREMIUM ALUMINA

## Save cost
- Reduce sustainment efforts
- Eliminate legacy software licenses
- Eliminate legacy hardware/cloud VM's

Love's

## Replace custom code
- Reduce sustainment efforts
- Assessed as S/4 in-compatible
- Use no-code/low-code options

FUJIFILM

## Process Automation
- Save end-users time and clicks
- Automate micro tasks & processes
- Eliminate errors and re-work

Sales-Lentz
moving people

## Reduce risk
- Better information governance
- Aligned unstructured with structured
- Inform and optimize your decisions

TransAlta

## More secure
- Eliminate content in the wild
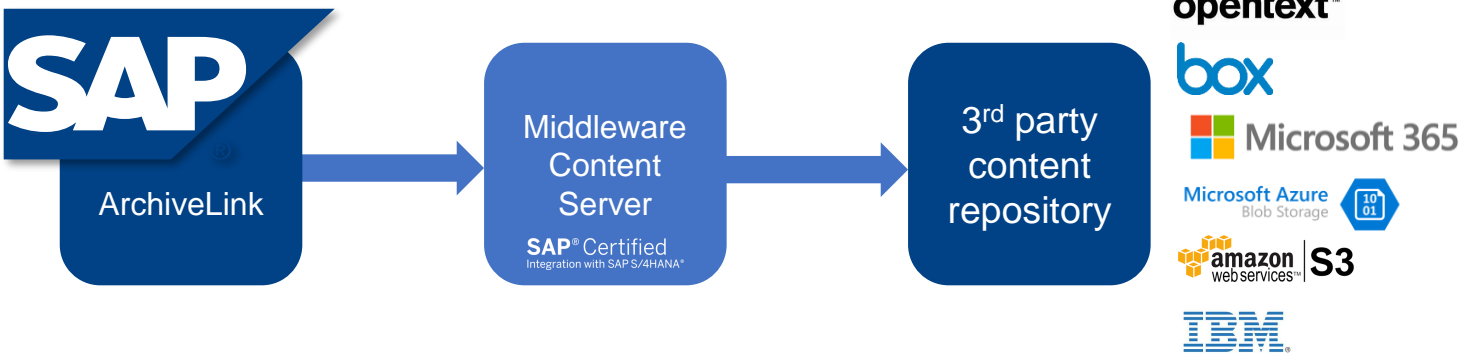- Easier Collaboration
- Secure information from anywhere

swisslog
Member of the KUKA Group

VERSAFILE

# What is ArchiveLink

### and why use it?

A standard way of Linking SAP business documents with their attachments stored in a digital storage system:
- SAP database
- SAP content server
- Opentext
- SharePoint online
- Box Content Cloud
- IBM
- etc

- Better cost control of SAP infrastructure and resources
- Share content outside of SAP
- Advanced processing on content
- Centralized governance of enterprise content records
- Standardized, low cost to sustain

**SAP**

ArchiveLink

→

Middleware Content Server

**SAP® Certified**
Integration with SAP S/4HANA®

→

3rd party content repository

**opentext™**

**box**

**Microsoft 365**

**Microsoft Azure** Blob Storage

**amazon** web services™ **S3**

**IBM®**

# What's happening with ArchiveLink

CMIS

SAP has introduced CMIS (Content Management Interoperability Standard) as the modern approach for archiving, storing and integrating attachments in SAP cloud environments.

Q: Does that mean ArchiveLink is dead??

A: **NO,** there has been <u>NO</u> announcement from SAP that ArchiveLink will be deprecated, after all 99.99% of ECC & S/4 customers use it, however CMIS is the ONLY option for S/4 Cloud Public.

BUSTED

# SAP content management options

| | ECC | S/4 on-prem | S/4 Cloud Private Edition | S/4 Cloud Private Edition On RISE | S/4 Cloud Public Edition |
|---|---|---|---|---|---|
| Database | 🟠 | ⚫ | ⚫ | ⚫ | NA |
| ArchiveLink | ✅ | ✅ | ✅ | ✅ | NA |
| DMS | ✅ | ✅ | ✅ | ✅ | ✅ |
| CMIS | NA | ✅ | ✅ | ✅ | ✅ |
| BTP | ✅ | ✅ | ✅ | ✅ | ✅ |

Available content migration paths to CMIS ------------------>   Greenfield

# Other CMIS challenges

1. Limited repository support (sap, optx, a few in Europe)
2. The standard is really a modified standard, so standard CMIS repositories <u>won't work</u> with-out modifications
3. Its capabilities are limited
4. There is no considerable added value or benefit

<u>HOWEVER,</u>…it is the direction SAP is heading…so we built our SAP CMIS connector so customers have choices and can leverage their preferred repository…

HERE IS WHAT ELSE WE LEARNED…

CMIS

# S/4 Cloud Public
## Content Management Options

- No ArchiveLink
- CMIS Only
- Default is SAP doc mgmt. Service
- It's ready to go by default
- It's good for basic attachment archiving
- Limited to no useful metadata
- More metadata requires 3rd party CMIS API or custom development
- Want more metadata for Hyperconnected Content & process automation
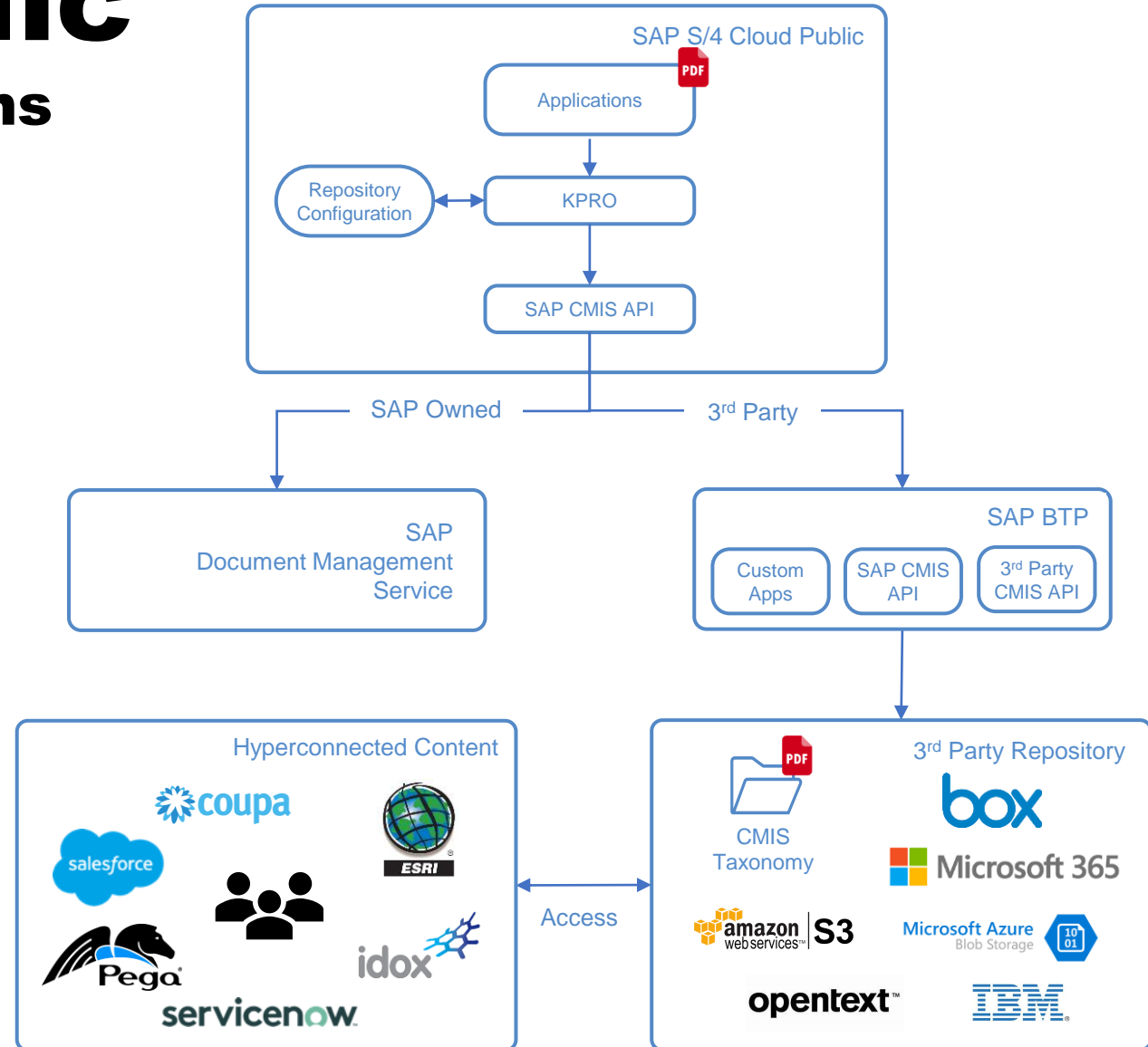
# S/4 Cloud Private
## Content Management Options

- ArchiveLink is available
- CMIS is available
- Default is SAP database
- As with CMIS, Content Server provides little to no Business Metadata
- More metadata requires 3rd party CMIS API, an advanced Content Server, Advanced Application Solution or custom development
- **Richer 3rd party solutions exist**
- Want more metadata for Hyperconnected Content and Task automation
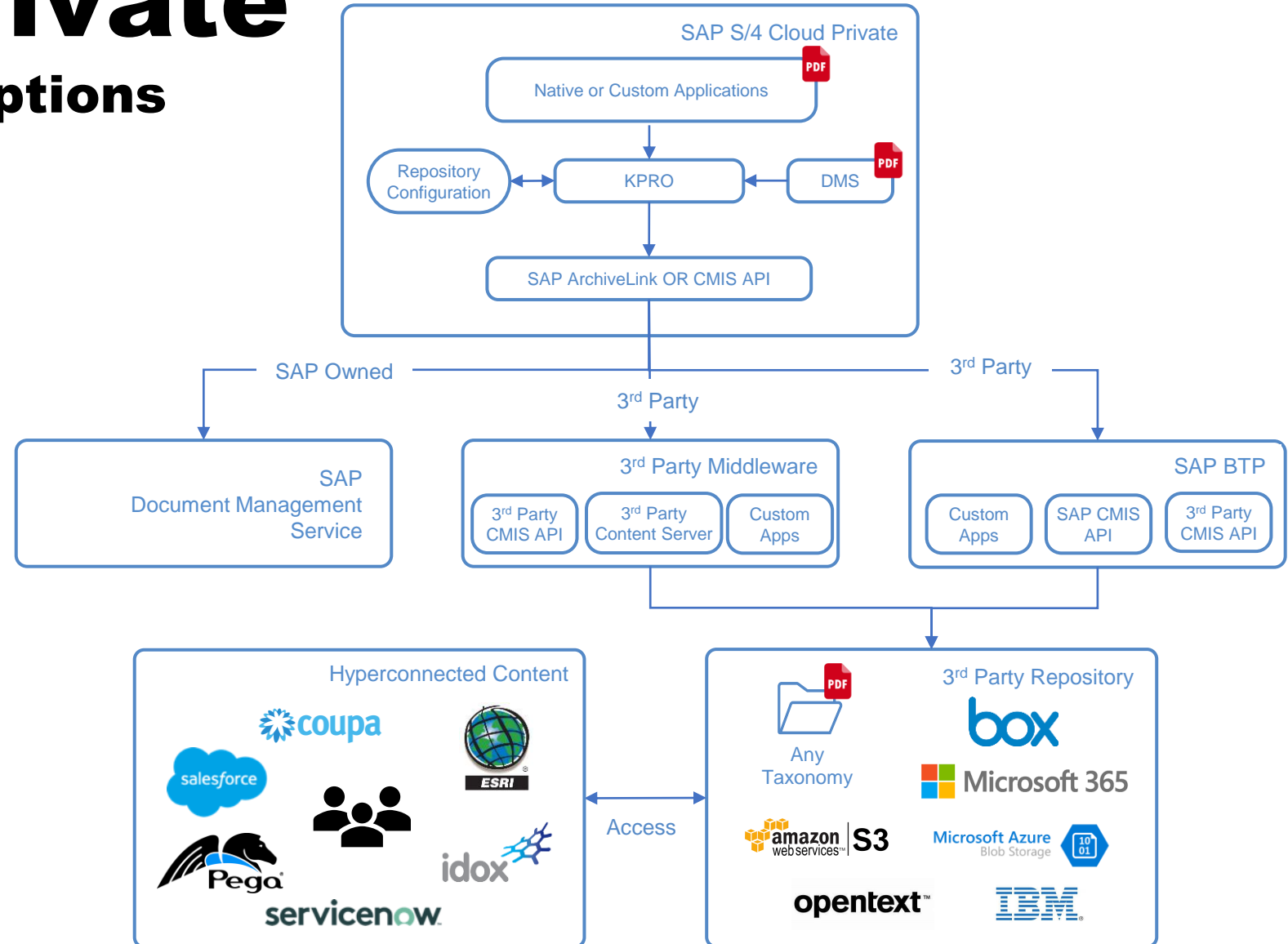
# S/4 Cloud Private On RISE

## Connection Options for 3rd party middleware

- Most common options are VPN and Internet Inbound.
- Have also had clients deploy a VM within the RISE deployment.
- HTTPS is supported.
- Two types of RFC.
  - CPIC RFC
  - WebSockets RFC.
- RFC through HTTPS has been supported since 1909 release.
- Rise only allows port **443** on inbound HTTPS, but will enable outbound ports of your choice to be open.

RISE Tenant

SAP S/4 Cloud Private on RISE

SAP ArchiveLink

WebSocket RFC
CPIC RFC

3rd Party Middleware

3rd Party | 3rd Party | Custom

3rd Party Middleware

3rd Party | 3rd Party | Custom

### 1 — IPSEC VPN

Site-to-site IPSEC VPN between an on-premise network and Hyperscale Network. The traffic between the environment supports network layer encryption.

### 2 — Dedicated Private Connection

Using dedicated connectivity options such as AWS Direct Connect, Azure Express Route and Google Cloud Interconnect, customer can establish dedicated connectivity from customer on-premise network to RISE with SAP S/4HANA Cloud, Private Edition landscape.

### 3 — VPC Peering

Secure Connectivity between SAP managed customer landscape and customer owned landscape on Hyperscaler

Virtual network peering creates network connectivity between two virtual networks (VPC for AWS or VNet for Azure), which are owned by different account holders.

### 4 — Internet Inbound

Inbound traffic from Internet can be allowed and will be screened via WAF. Application Load Balancer will be able to route traffic to the Web Dispatcher in the production subnet. Traffic is encrypted with TLS1.2 encryption.

# SAP document service option

1. It's better than using your HANA database
2. It's ready to go by default
3. It's good for basic attachment archiving
4. Limited to no metadata
5. No access outside of SAP
6. No ability to leverage non-SAP applications
7. It's expensive at 305€ per 100 GB per Month, that's approx. $52,680 CAD per Year...
8. There are other lower cost, more powerful and flexible options
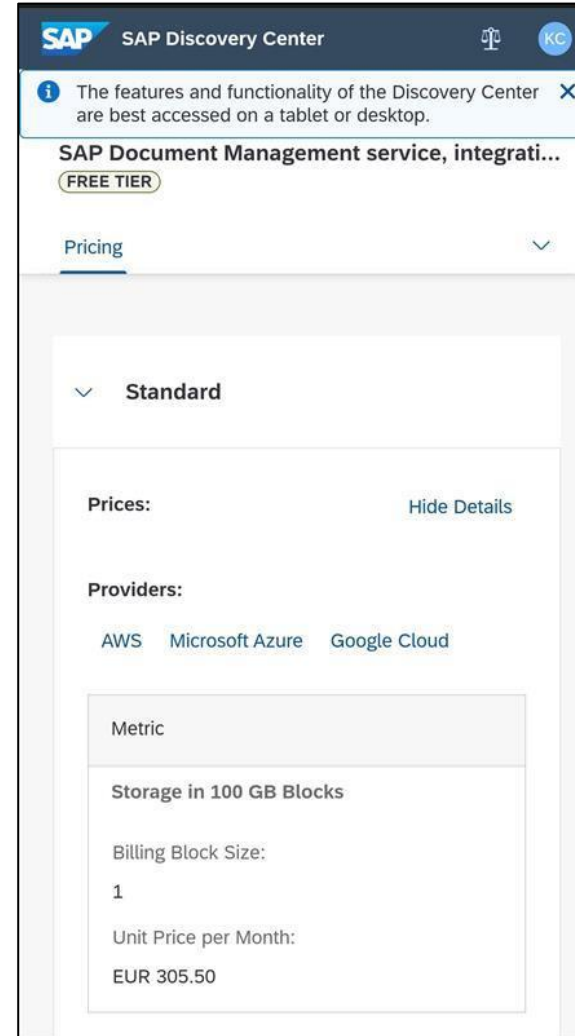
# DEMO – Introduction to SAP CMIS

# Almatis

## Reduces database by 40%

- Operations across 21 countries

- HQ Frankfurt, Germany

- Produce Alumina and Alumina based products

- Outbound Attachment & metadata storage to M365 SharePoint Online

- Inbound email attachment linking to SAP transaction records

- Migrate and replace Opentext archive server

- Moving to VIM storage to SharePoint Online

- Outcomes
  - Save 40% on ECC database
  - Save Costs
  - Better User Experience & Functions

# Contact us to learn more

**Contact**
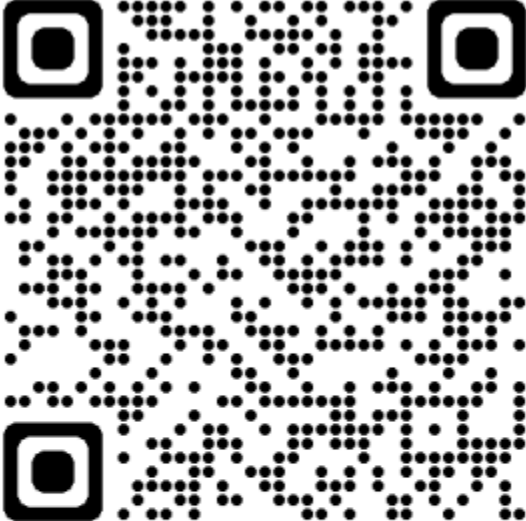


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