Information Brief

SAP Imaging and Data Archiving in the Cloud
Offering Compliant Storage as a Service

By Jochen Hager

Cloud Computing is everywhere. Software-as-a-Service and Platform-as-a-Service concepts have found their way into almost all modern day enterprises. Data management in the cloud offers high availability and security combined with low risks. SolutionXchg offers SAP Imaging and Data Archiving services on SAP®-certified KGS CS4S content server software for compliant and secured data storage on Amazon's EC2 and S3 environments and other cloud based platform offerings.

SAP Imaging and Data Archiving as a Service offers a new level of security and elasticity for your compliant SAP short and long-term storage needs.

Solution Exchange, LLC

Cloud-Based Services
Risks and Benefits

Recent studies confirm that more than 75% of all enterprises use cloud-based services. Is is a fact that these services offer true business value for ever leaner IT departments.

The main drivers for Cloud Computing are: lower costs, better scalability, higher availability, more flexibility, and a new level of elasticity.

- ▸ **Higher availability**
- ▸ **Better scalability**
- ▸ **Lower costs**
- ▸ **Less complexity**
- ▸ **Improved elasticity**

While there are many benefits, the challenges lie in areas of security, control of data and access, and migration of data into and out of a cloud service.

Higher Efficiency

Many businesses look to cloud computing as a means to more efficiently deliver IT services to users in their organizations. Mobile applications and applications for remote users or field-based teams are the most popular cloud-based applications.

While these business scenarios lend themselves naturally to be offered as services, other areas are often overlooked, such as compliant storage applications. For these, cloud-based solutions can offer a cost-effective way to maintain high availability and reliability.

Better Reliability

One of the key benefits of the cloud model is its ability to ensure business continuity and speedy disaster recovery. Cloud Computing can offer this ability as a low-cost solution for small and medium enterprises, but even large enterprises can benefit.

Traditionally, disaster recovery setups are cumbersome and extremely expensive. They typically require mirrored systems and duplicate storage in some remote environment. In many cases, disaster recovery is not sufficiently tested and administrators are unexperienced in a true emergency situation.

Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS) models

> **"Choosing which software functions to move into the Cloud requires careful consideration. Storage for long term archives are definitely a primary candidate. SAP Imaging and Archiving is well suited to be provided as a service."**
>
> **Uwe Wagner**
> **Tiburon Consulting LLC**

provide the security and flexibility in-house solutions cannot offer with the same degree of reliability.

SAP Imaging and Archiving as a Service in the Cloud

Cloud-based solutions offer a cost-effective way to maintain high availability and reliability for many

different user applications. These are exactly the qualities you want to see in a compliant archiving solution for SAP. Standard archiving functionality is available:

- **Document Imaging in the Cloud** – Documents are retrieved through secure HTTP requests from a read-only and retention managed cloud-based storage location.
- **Data Archiving in the Cloud** – While the individual files are rather large, SAP ArchiveLink protocols allow the retrieval of only portions of the file. Full data archiving functionality is available.
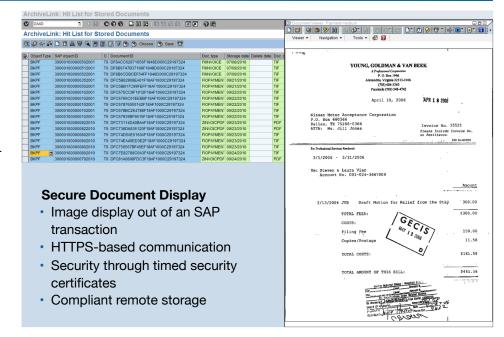
The avant-garde definition of the SAP ArchiveLink interface allows a high quality service solution to be built. Any functionality of the underlying archive system is completely transparent to the business transaction and therefore highly suitable for a transparent service offering.

Secure HTTP and timed security certificates safeguard the transmission of data through the Internet. Additionally, VPN tunnels are available as a further security layer.

Complete Solution

SolutionXchg has built a Cloud Archiving Solution for SAP, based on Amazon's elastic platform service Amazon EC2 und its secure storage service S3.

Our solution, based on a standardized platform and fully automated migration

Secure Document Display
- Image display out of an SAP transaction
- HTTPS-based communication
- Security through timed security certificates
- Compliant remote storage

concept, offers easy and fast deployment within days, not months.

Based on the KGS ContentServer4-Storage, which represents one of the fastest, and most scalable content server solutions for SAP SolutionXchg has built a service offering that is truly unmatched in the industry.

Right Sizing
Built-to-Order

SolutionXchg's cloud service, based on the KGS Cloud Solution and reliable cloud services from major suppliers allows you to select your preferred cloud based server

and storage platform. We support Amazon's AWS, Google, Rackspace, and Microsoft's Azur. Our cloud solutions are available as full service environments or as platform services.

We provide the necessary SAP archiving know-how to fully integrate the solution into your SAP business landscape. As a software supplier and system integrator with a team of highly experienced SAP Imaging and Data Archiving industry experts, we help you to right-size your cloud solution for you and deliver the complete installation according to your specifications. ∎

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Impressum
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SolutionXchg is a system integrator with a long-standing history on imaging and archiving solutions for SAP. For more information visit www.solutionxchg.com.

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