

IBM and SAP archiving and data management solutions for Banking



Highlights

■ **For risk**

Implement operational risk management controls to help meet Sarbanes-Oxley needs and align business performance management with operational resilience assessments and strategy.

■ **For compliance**

Help automate compliance and gain a view of market, operational and credit risk across your entire company.

ILM solutions for SAP enable financial institutions to advance from individual, siloed risk and compliance projects toward an enterprise-wide risk management strategy: The IBM® System Storage™ Archive solution for SAP® aligns your SAP information with business processes through management of retention policies to help ensure your data is available, accessible, compliant and protected.

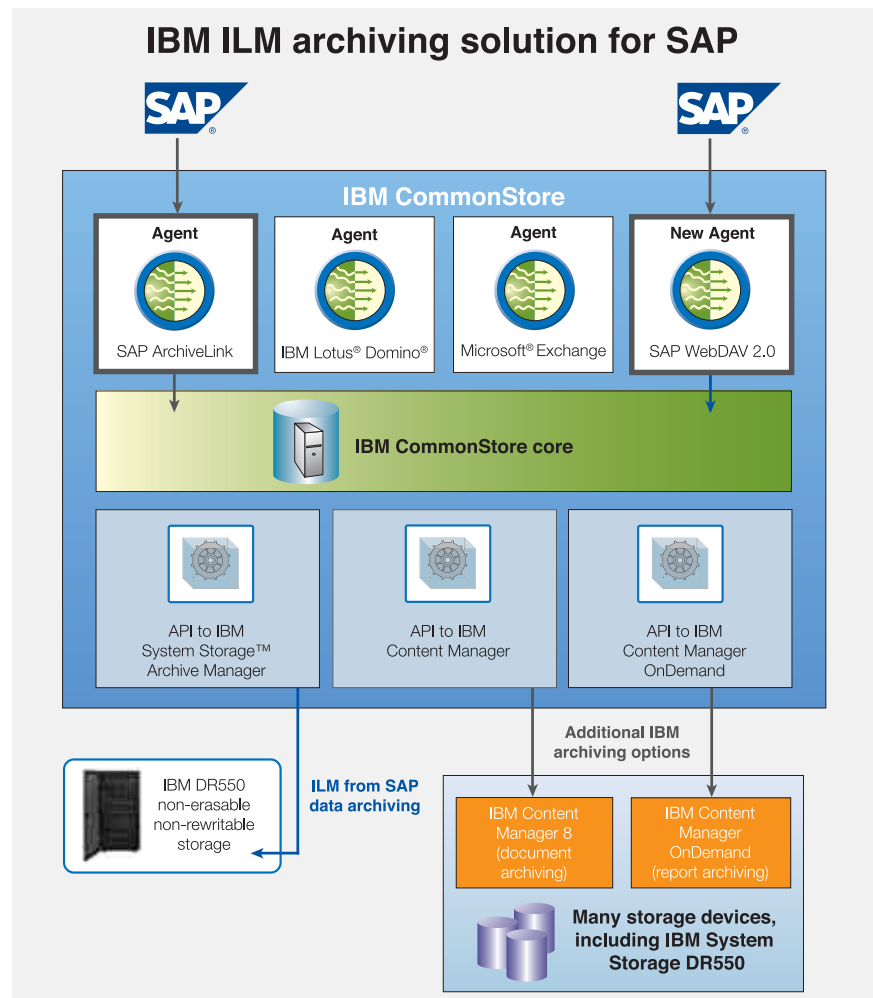
Information Lifecycle Management (ILM) is important for Global Banking Companies using policies, processes, practices, and tools to cost-effectively align the business value of information with their SAP IT infrastructure. The IBM System Storage Archive solution for SAP aligns banking SAP information with business processes through management of retention policies and service levels to help ensure banking data is available, accessible, compliant and protected. This solution ensures that vital banking data is retained for future reference and addresses some of today's biggest implementation challenges for regulatory compliance with secure access to reliable risk, financial and customer data.

Data retention and management are essential functions of ILM. This is important to banking companies as reporting capabilities are driven by increased scrutiny of financial reporting by regulators, increased transparency

of financial data required by company executives, increased needs for an enterprise-wide view of financial data to assess risk, and dynamic access to financial data demanded by CEOs and CFOs.

Reliable data is critical to meeting banking regulations such as Sarbanes-Oxley, Solvency II, International Financial Reporting Standards (IFRS) and International Accounting Standards (IAS). For example, compliance with Sarbanes-Oxley Section 404 requires a fine-grained reporting capability, down to the transaction level of every internal business process across the organization.

Effective implementation of these ILM functions helps global banking companies improve SAP IT production performance, improve TCO, improve legal compliance and mitigate your IT risks. SAP has recognized these needs by creating their new product “ILM from SAP” as part of the SAP NetWeaver stack. With ILM from SAP, data retention management starts at the moment a data management class is assigned



IBM archiving solution stack for SAP

to a newly created data object. The assigned management class applies SAP policy information, like business and regulatory rules, to the data object throughout its lifecycle, from creation through expiration to deletion.

SAP's Information Retention Manager (IRM), a key component of ILM from SAP, is the central tool for setting up and managing retention policies and uses the SAP WebDAV Storage Interface as an open-standard interface

based on HTML. The WebDAV (Web-based Distributed Authoring and Versioning) interface allows banking clients to perform remote Web content authoring operations such as creating a framework and set of retention rules, along with enforcing those rules for both structured and unstructured SAP data.

Maximizing and sustaining ILM efficiency involves leveraging storage tiers to support information classes and service levels. **The IBM Archiving Solution for SAP** includes the award-winning **IBM System Storage DR550**, together with **IBM CommonStore for SAP**, and enables alignment of SAP information business value with the most appropriate and cost-effective IT infrastructure.

IBM System Storage DR550

The IBM System Storage DR550 uniquely stores banking data as protected objects into the data management layer using DR550 IBM System Storage Archive Manager software. The IBM solution helps pay for itself quickly during long archiving periods, as banking data that usually outlives disk or optical media can use IBM longer-lasting tape storage capabilities.

The IBM System Storage DR550 is an award-winning, industry-proven information retention solution. It is designed to help global banking companies meet the growing challenge of managing and protecting business banking information for long periods while providing operational efficiency. DR550 can scale up to 224 TB of physical disk storage and to petabytes with attached tape systems.

DR550 is designed to provide:

- **Lower TCO with flexible storage tiering.** *It is costly to keep all archived banking data in more expensive nearline or production storage throughout its retention period. DR550 offers the capability to support and manage cost-effective tiers of storage (disk, tape and optical).*
- **Migration.** *DR550 is designed to support data migration capabilities to move data from disk to tape and between infrastructure upgrades without disruption while maintaining data immutability. Migrations can be automated or scheduled for off hours and can be performed by the customer or as a service.*

- **Non-erasable, non-rewriteable archival storage.** DR550 offers non-rewritable, non-erasable storage controls to prevent deletion or alteration of data stored on the system until deletion is permitted by retention policy.
- **Security and protection through data encryption and data shredding options.** DR550 provides data encryption options (128 bit AES or 56 bit DES technology) to help global banking companies protect their data when transmitted over the network or saved to disk or tape. Data is encrypted prior to transmission and remains encrypted in the DR550, including backup copies. After the data has expired according to defined corporate or regulatory policy, the deleted data can be destroyed via an optional shredding feature. Shredding is designed to explicitly overwrite the deleted data to make it impossible to discover or reconstruct that data later.

- **Interoperability.** In addition to IBM CommonStore, IBM Content Manager, IBM FileNet® Image Services, IBM Optim™ (formerly Princeton Softech) and other IBM software offerings, over 30 third-party vendors (ISV) are certified users of the IBM DR550 for archiving and data retention: <http://www-03.ibm.com/systems/storage/disk/dr/interop.html>

IBM CommonStore for SAP (CSSAP)

A new version of the IBM SAP archiving solution component, IBM CommonStore for SAP, Version 8.4, delivers archiving that goes beyond simply trimming the size of SAP databases. Building on SAP's previous ArchiveLink API functionality associated with SAP's R/3 releases, and leveraging the new SAP WebDAV Storage Interface, CSSAP v8.4 enables SAP-directed and storage-enforced retention

periods and legal holds to be placed on SAP transaction data archived directly to the IBM DR550 via its System Storage Archive Manager interface. This new ILM retention management capability also provides critical support for eDiscovery operations in the event of a legal challenge.

Beyond basic data archiving, CommonStore for SAP software provides document management capabilities, so banking companies can manage a wide range of SAP-related information. By linking archived documents to SAP business objects, CommonStore for SAP software is designed to make business documents—from purchase orders to banking policies—available to authorized users anywhere on the network. So multiple users can have secure, parallel access to documents, and authorized users can have access to documents without the delay caused by paper-based archive inquiries.

IBM CommonStore for SAP delivers:

- **Integration.** IBM fully supports SAP's new "ILM from SAP" (BC-ILM 2.0) specification; made possible by IBM's support for SAP's WebDAV Storage Interface. These features enable banking businesses to place SAP-directed, IBM-orchestrated retention periods and legal holds on archived SAP transaction data, and better help them meet their compliance needs.
- **Fully integrated with IBM Content Manager suite** (optional). Enables banking businesses to manage SAP content along with other content types, presenting all related information, from e-mails, images and faxes to SAP and non-SAP users and applications, and also leveraging content from within SAP Workflow.

- **External access to SAP documents.** The CSSAP Index Transfer feature enables users to find and retrieve archived SAP system documents without an SAP GUI client.
- **Bulk archiving for printed documents.** IBM CommonStore can archive electronic copies of banking printouts and link the archived documents to the corresponding SAP business objects. This linkage ensures that banking documents are archived in the same format as originally sent, and that banking companies can still access them from SAP.

By integrating SAP and non-SAP business content into a single archive, the IBM archiving solution for SAP helps improve the efficiency of global banking companies. Production performance

increases because data accessed infrequently is effectively archived. Banking information is securely protected and accessible when needed, independent of application, helping you to comply with company and regulatory policies and rules while enabling banking businesses to respond quickly to the demands of their employees, customers, partners and suppliers.

Additionally, the IBM archiving solution for SAP can be easily extended for e-mail archiving. IBM CommonStore and IBM DR550 support Lotus® Domino® as well as Microsoft® Exchange. For more information on the IBM archiving solution for e-mail please visit: <http://www-01.ibm.com/software/data/commonstore/> and <ftp://ftp.software.ibm.com/software/data/cmgr/pdf/cs Lotus82.PDF>



For more information

To learn more about the IBM archiving and data retention management solution for SAP please contact your IBM sales representative or IBM Business Partner, or visit the following Web sites:

- ibm.com/software/data/commonstore/sap/
- ibm.com/systems/storage/disk/dr/index.html
- ibm.com/software/data/content-management/products/content.html

For more information on Governance, Risk and Compliance and how IBM works with SAP and other partners:

- ibm.com/industries/financialservices/doc/content/solution/1198766103.html
- ibm.com/industries/financialservices/doc/content/solution/360951103.html

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When referring to storage capacity, 1 TB equals total GB divided by 1000; accessible capacity may be less.

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