Overcoming the Legacy System Dilemma

Decommission Legacy Systems for Substantial Cost Savings — Without Incurring Additional Risk

Every enterprise has legacy systems, holdovers from the past (or from mergers and acquisitions) that have no transactional access but contain data that, while years old, cannot be thrown away. And every year, during the budget cycle, the expense of these systems reappears on the balance sheet. For many organizations, these costs can run into the millions of dollars in staffing, equipment, infrastructure, and energy consumption expenses.

So every year, the CIO asks if this will be the year the enterprise can finally “pull the plug.” And every year, the answer is no, for there is far too much at risk financially and legally. Every year, that is, until now.

In Q2 of 2009, after a successful ramp-up last fall, SAP released SAP NetWeaver Information Lifecycle Management, which provides enterprises with the functions they need to take inactive legacy systems off life support and smoothly transfer their data into a single, lean retention warehouse that enables full auditing and reporting via integration with SAP NetWeaver Business Warehouse (SAP NetWeaver BW).

The Legacy System Dilemma

Many enterprises are uncomfortable shutting down their legacy systems because they fear they won’t be able to access the data contained within them should an audit or lawsuit arise. Every CIO has read the articles about companies fined in the millions of dollars for not being able to produce certain information or data required for a lawsuit. The legal compliance risk is too high to warrant suspending the maintenance of the legacy system.

But in today’s economic landscape, two significant factors have made legacy systems not just burdensome, but unbearable:

- **Expense of operation.** Our research has demonstrated that the cost of running just a single legacy system may run up to US$300,000 per year in administration, staffing, equipment, infrastructure, and operations.

- **Lack of sustainability.** Legacy systems are rarely “green.” They run on older hardware that is inefficient, sometimes consuming as much as US$1,000 per month in electricity.

Spending millions to avoid millions of dollars in risk can be a maddening prospect. But SAP NetWeaver Information Lifecycle Management can eliminate much of those costs, and the more systems that are decommissioned, the faster the ROI. On average, by the time a company finishes decommissioning its sixth system, SAP NetWeaver Information Lifecycle Management will have paid for itself.

Get Started with Information Lifecycle Management

One of the most important benefits of implementing SAP NetWeaver Information Lifecycle Management is that it helps SAP customers put a responsible data management
Spending millions to avoid millions of dollars in risk can be a maddening prospect. SAP NetWeaver Information Lifecycle Management can eliminate much of those costs.

policy in place. Court cases have shown that if a company destroys information according to set rules and policies, then the company cannot be held liable for failing to produce that information as part of a lawsuit. In other words, a sound, provable, responsible data management strategy can help reduce risk. And SAP can help you build such a strategy.

So once you have decided to decommission your legacy systems with SAP NetWeaver Information Lifecycle Management, what are your next steps? Based on the experience of our ramp-up customers, there are multiple entry points into implementing SAP NetWeaver Information Lifecycle Management.

One way is to begin with a system decommissioning project. Since the component covers SAP R/3 4.6C, SAP R/3 Enterprise, and SAP ERP releases, you can start with a legacy system running on one of those platforms. That way, your staff can easily grasp how to decommission systems, how to construct and fill the retention warehouse, and how to ensure that they would have all the reporting and auditing capability that they needed.

Other customers jumped into their SAP NetWeaver Information Lifecycle Management implementation by engaging in a planning and strategy session. Still others began a long-term strategy with a proof-of-concept decommissioning project, which naturally led into the implementation of a full-fledged information lifecycle management strategy, including retention management.

Later in this issue of SAP Insider, you will find an article explaining how to run a system decommissioning project with SAP NetWeaver Information Lifecycle Management, including explanations of the hardware and the implementation processes and procedures.¹

¹ See “Running a System Decommissioning Project with SAP NetWeaver Information Lifecycle Management: A Hands-On, 7-Step Guide,” a Performance & Data Management Corner column by Tanja Kaufmann and Claudia Dangers on page 69 of this July-September 2009 issue of SAP Insider (sapinsider.wispubs.com).

from the SAP system so that the partner’s system can then enforce those properties. Our partners really complete the end-to-end story of the information lifecycle management solution, and many of them can be found in the following pages of this SAP Insider special report.

**The Future of Information Lifecycle Management**

The first version of SAP NetWeaver Information Lifecycle Management focuses on SAP ERP systems; later versions will be enhanced and expanded to cover additional SAP solutions. On the roadmap, we have coverage of different industry solutions, such as utilities and oil, as well as additional applications, such as SAP Customer Relationship Management (SAP CRM). Also, of course, SAP will continuously enhance functionality to ensure more automation and comfort.

One of the main goals of ILM, both now and for the future, is to enable enterprises to efficiently shut down their “excess baggage” legacy systems without incurring any additional legal or financial risks. For enterprises that are supporting SAP legacy systems, ILM is a quick way to eliminate costs in an era where budgets, especially in IT, are being slashed.

Even more important, today’s transactional systems will become tomorrow’s legacy systems. With SAP NetWeaver Information Lifecycle Management, SAP customers will have the confidence that no legacy system will ever again be either a financial burden or a legal risk.

To launch your own ILM project, contact your SAP representative, who will then oversee an analysis of your current landscape. Next, your representative will propose an action plan to help you get started with SAP NetWeaver Information Lifecycle Management, including identifying candidate legacy systems for a proof-of-concept project.  

---

**Message to Partners: Get Certified**

To find out how to become an ILM-certified storage partner, and to see which partners have already earned certification, please visit our certification areas on www.sap.com or on the SAP Developer Network (SDN) and look for BC-ILM:

- www.sap.com/usa/ecosystem/customers/directories/SearchSolution.epx
- www.sdn.sap.com/irj/SDN/Interface-Certifications

Reproduced with permission from the Jul-Aug-Sep 2009 issue of SAP Insider | sapinsider.wispubs.com
Why an Economic Downturn Is the Right Time to Consider ILM

As companies look for ways to take costs out of their business and maintain profit margins, IT investments and processes are under increased scrutiny. So why make information lifecycle management (ILM) a top priority now? Because an effective ILM strategy can help reduce the inherent, inevitable costs of corporate information. ILM can:

- **Reduce the costs of managing information**, including costs associated with storing, indexing, searching, categorizing, and deleting corporate documents and data.
- **Reduce the costs associated with high-risk information**, protecting the business from costly risks associated with improperly controlled information including non-compliance with regulations, lack of security for proprietary or employee information, and labor-intensive or cost-intensive legal discovery.

For SAP customers, an effective ILM strategy covers structured data, as well as other documents and information — whether it originates within or outside of your SAP systems. Together, SAP and Open Text provide a strategy that can help significantly reduce risk and cost, delivering a significant impact on bottom-line savings.

The Evolution of Data and Document Lifecycle Management

Open Text has been providing ILM services for SAP content since 1993, when it released the first partner archiving solution to work with the SAP ArchiveLink interface. Today, SAP sells these Open Text archiving products: SAP Archiving by Open Text and SAP Document Access by Open Text. Additionally, to broaden your ILM strategy to include non-SAP content, Open Text now offers ILM services through its enterprise content management offering, the Open Text ECM Suite. This set of integrated components addresses the management of unstructured content (see the sidebar below for more on how ECM supports ILM). The Open Text ECM Suite is based on the Open Text Enterprise Library, which combines content archiving with document management and US Department of Defense (DoD) 5015.2-certified records management.

Enterprise Content Management for a Comprehensive ILM Strategy

The term information lifecycle management (ILM) refers to how all of the different forms of corporate information are managed throughout their life cycles. It covers both structured information — transactional data in databases, for example — and unstructured information, such as paper documents, emails, and technical drawings.

According to studies by Forrester Research and others, the bulk of corporate information — as much as 70% to 90% — is unstructured. An effective ILM strategy must therefore deal with both structured and unstructured content. Ideally, unstructured documents should be integrated with your enterprise applications to provide a significant benefit by enriching and streamlining your business processes.

Enterprise content management (ECM) applications focus on securing unstructured information and making it available for productive, efficient use across the company. ECM applications also support compliance, including legal requirements for information retention in documents and SAP data archive files. Managing the end of the information life cycle is also important; ECM ensures that documents are destroyed on the correct schedule, allowing you to properly protect this content from discovery in the case of litigation and to avoid unnecessary long-term storage costs.

* *The Future of DBMS Technology* by Noel Yuhanna, Mike Gilpin, and Kimberly Q. Dowling, Forrester Research (September 29, 2005).
For your SAP data, the Open Text ECM Suite complements the SAP NetWeaver Information Lifecycle Management component. SAP NetWeaver Information Lifecycle Management is an evolution of standard data archiving practices into retention management for SAP systems. SAP NetWeaver Information Lifecycle Management supports the entire lifecycle of data by providing functionality for archiving, retention, holds, and the final destruction of archived data.

To do all this, SAP NetWeaver Information Lifecycle Management requires an ILM-aware storage platform that supports SAP’s ILM interface (referred to as the SAP WebDAV ILM), in order to securely store the data files on WORM-like storage and enforce retention. The Open Text Enterprise Library was recently certified for the SAP WebDAV ILM interface. This solution provides a hardware-agnostic ILM platform, giving customers the freedom to choose their preferred storage platform (see Figure 1).

Bridging SAP and Non-SAP Content: Open Text Information Lifecycle Services

For the information coming from outside of your SAP applications, Open Text also addresses your ILM needs with its Open Text ECM Suite. The suite’s functionality covers:

- Document management
- Records management
- Collaboration and community management
- Email management
- Digital asset management
- Web content management

As companies exchange documents and enable processes across SAP and non-SAP systems, they are looking for an enterprise-wide approach to records management – one that covers both non-SAP and SAP documents under a single corporate records management program. To address these requirements, Open Text and SAP jointly developed Open Text Extended ECM for SAP Solutions, which combines the document management and records management components of the Open Text ECM Suite with Open Text’s archiving solutions for SAP environments.

In addition to retention management, SAP NetWeaver Information Lifecycle Management also supports legacy SAP system decommissioning by leveraging the underlying ILM technology platform together with SAP NetWeaver Business Warehouse (SAP NetWeaver BW). Here, Open Text not only adds the necessary ILM storage layer, but also supports the decommissioning of non-SAP legacy systems with a print list-based approach and easy access to legacy data within SAP interfaces. Together, SAP and Open Text offer a complete, integrated solution for your enterprise-wide ILM needs.

Summary

In addition to the efficient management and storage of both structured and unstructured content, an ILM strategy should address compliance, litigation risk, and the protection of organizational knowledge. Open Text supports an effective, enterprise-wide ILM strategy that bridges the worlds of SAP and non-SAP content, resulting in:

- Reduced total cost of ownership for your IT landscape with data archiving, legacy decommissioning, and SAP system consolidation
- Increased productivity with document-enriched processes in SAP applications and easy access to archived SAP data and documents and historic data from legacy systems
- Compliance with corporate rules and legal regulations for content retention through storage of data and documents in tamper-proof form
- Reduced risks with litigation readiness, replication, and disaster protection of corporate content

Now is the right time to invest in a comprehensive ILM strategy. In an economic downturn, an effective, enterprise-wide ILM strategy can take costs out of your business and give you the margin you need to survive and thrive. Furthermore, you can be sure that your investment is secure by buying from SAP and Open Text, two well-established companies with a strong and longstanding relationship. For more information, visit www.opentext.com/sap.
Information lifecycle management (ILM) is the practice of strategically managing the data within your organization—including determining where it is stored, how quickly it can be accessed, how it is tracked, and how long it must be retained. With a well-planned ILM initiative, companies can ensure that their SAP solutions live up to their promise of high compliance and high performance; ILM helps companies manage data retention and access requirements to protect their organization from risk.

The foundation of an ILM initiative is a solid data archiving strategy, which enables companies to improve performance and manage their costs. Dolphin can help customers create this strategy based on their SAP R/3 or SAP ERP systems. Dolphin also helps customers assess DART and provides solutions for archiving business intelligence (BI) data, consolidating systems, and decommissioning legacy systems.

**Solve the Compliance Conundrum**

Compliance requirements often drive companies to implement ILM initiatives, and for good reason. After all, compliance with laws and regulations—from Sarbanes-Oxley and SEC reporting, to HIPAA requirements and the Gramm-Leach-Bliley Act—can impact legal disputes and regulatory approvals, as well as the very survival of the business.

Of course, not all information needs to be retained forever. Infinite data retention actually increases liability risks, since keeping data longer than required exposes the organization to potential data privacy breaches and legal claims. The challenge for IT teams is to retain the data they need and keep it accessible, and to destroy the data they no longer need—all while managing costs.

To do this, companies need a data archiving strategy that defines policies and integrates records retention requirements into short-term and long-term resource planning. This plan ensures that the right procedures—from records creation to archive retention and end-of-life destruction of that data—are in place, and that they are responsible, efficient, and cost effective.

**Achieve Faster System Performance**

SAP system users want every record and report available at the speed of thought. But the more records that are made available online, the larger the database—and this means slower response times. That’s why an effective data archiving strategy should free up the online database for the most active records.

At Dolphin, we have found that 75% to 80% of the records in SAP databases are inactive—the data needs no further modification. A smart data archiving strategy moves these records and documents off of the production database and onto an accessible offline archive to improve runtime and help meet service level agreements for backup and recovery. An added benefit lies in the fact that data archiving lowers the total cost of ownership for your data storage systems.

Information lifecycle management enhances how customers manage, identify, and categorize information for data archiving, retention management, and data warehousing. In addition, the solution’s new capabilities will be particularly useful for implementing more robust retention management policies and integrating third-party content management systems (CMS) through SAP ArchiveLink.

**Get Started Now**

Dolphin's phased approach to setting up your data archiving strategy starts with collaboration between the IT team that manages data and the business people who use it. After analyzing retention times and retrieval needs, Dolphin consultants then prepare a comprehensive blueprint that serves as your archiving strategy roadmap.

Upfront analysis and planning for data archiving, especially when coupled with a more holistic ILM strategy, will pay off in both the short term and the long term through faster system performance and improved regulatory compliance—all with a lower total cost of ownership.

For more information about Dolphin’s data archiving approach, please visit [www.dolphin-corp.com](http://www.dolphin-corp.com).
The 5 Pillars of a Successful Information Lifecycle Management Strategy

Companies face increased pressure to build a strategic information lifecycle management (ILM) strategy for their SAP environments that will balance costs and business data availability needs. To achieve this balance and meet compliance requirements, companies need tools that will support the five pillars of ILM: data archiving, data access, policies, storage, and decommissioning.

1. Support Data Archiving
Growing databases are substantial cost drivers in many systems since legal requirements mean that data may have to stay online for up to 10 years. SAP's data archiving functionality helps companies keep this data growth under control within SAP applications. PBS supplements SAP's data archiving functionality with:

- **The PBS CUSTOM tool**, which generates complete data archiving infrastructures for customer-specific developments or extensions developed with ABAP
- **CBW NLS IQ for SAP NetWeaver BW**, which allows you to move data from the SAP NetWeaver Business Warehouse (SAP NetWeaver BW) database to the Sybase IQ database and provides full query retrieval with standard SAP NetWeaver BW queries.

2. Provide Data Access
Business users often want unlimited access to application data — no matter where that data is stored. To provide integrated access to application databases and the archived data they hold, PBS offers archive add-ons for SAP ERP, SAP industry solutions, and the PBS Nearline Storage Solutions for SAP NetWeaver BW. These SAP-certified add-ons provide the archived data access needed to entice business users to accept data archiving initiatives.

3. Enforce Policies
Country-specific regulations and internal company guidelines dictate how long to retain data. SAP NetWeaver Information Lifecycle Management helps companies comply with retention periods. And PBS supports this functionality with PBS ContentLink, which earned the ILM-enhanced WebDAV interface certification. This solution allows companies to implement SAP's retention management functionality using the ILM WebDAV protocol.

4. Set Up Storage
When business data is archived, companies need to ensure that the storage is compliant — for both structured and unstructured data. PBS ContentLink supports SAP ArchiveLink and the ILM WebDAV protocol. In addition, cost analyses from current installations of PBS ContentLink demonstrate that companies using this tool have seen significant cost reductions.

5. Decommission Old Systems and Data Access
Many SAP customers must decommission their old systems while still providing access to the data these systems house for legal and business reasons. SAP NetWeaver Information Lifecycle Management's retention warehouse provides this access once the legacy system has been shut down, through SAP NetWeaver BW integration. PBS's new Enterprise Content Store is an alternative solution that supports the decommissioning of SAP systems, in that it provides access to data created with the SAP data retention tool, DART. The solution operates independent of the SAP system.

Conclusion
PBS's ILM product portfolio supports the realization of a long-term ILM initiative in an SAP environment. In addition, the PBS Partner Network — made up of a number of connected consulting and reselling companies — provides the experience needed to see an ILM initiative from start to finish. To learn more, visit www.pbs-software.com.
Managing ever-growing volumes of enterprise data is a formidable challenge. At a time when IT budgets aren’t keeping pace with increasing business demands, companies are turning to information lifecycle management (ILM) solutions to better align the business value of their data with an appropriate, cost-effective IT infrastructure to manage it.

Comprehensive test data management – the process of matching the best data to meet testing needs – is essential for effective ILM. To ensure successful application deployment, testing should involve multiple representative data sets replicated from actual production data and should employ best-practice tools to preserve the confidentiality of sensitive information. But according to a leading analyst firm, traditional testing processes need improvement: “Approximately two-thirds of organizations create full copies of primary application database data for development and user testing purposes when only a small subset of the data is typically necessary to complete these activities.”

By effectively selecting and replicating only limited subsets of data from production to test environments, SAP customers can reduce risk and infrastructure demands and achieve substantial benefits (see sidebar).

Learn More About the Full Benefits of ILM

ILM applied to test data is only one part of the big picture. ILM is about actively managing information across its entire life cycle, providing a single place to manage all projects, including data migration, test data management, archiving, and application retirement.


The Benefits of Informatica ILM on Managed Storage Costs

Consider a company that implemented its SAP landscape in 1999. Ten years later, the company has amassed 10TBs of production data.

This firm applies six full-size copies of its production database to development, testing, and training environments. As production data grows, there is exponential growth in non-production data that outpaces the company’s storage budget, slowing down new projects.

The figure below outlines how ILM would help in this situation. (For this example, assume both production and test databases exist on primary, tier 1 storage and that the managed cost of storage is US$7,000 per TB.*

---

1 ESG Research Report, 2007 Database Archiving Survey (December 2007).
In today’s turbulent and increasingly competitive economy, corporate efficiency is key. This is especially true when it comes to managing information, documents, and data — companies must automate as many business processes as possible while simultaneously securing and controlling the data within those processes.

For over 10 years, companies at more than 600 sites have turned to SEAL Systems — a leading supplier of document printing, conversion, and publishing solutions — to help them do just that (see Figure 1).

**Avoid Wasting Resources on Manual Document Printing Processes**

One of SEAL Systems’ solutions enables the automated distribution of process-oriented output of all specified documents — including materials management, sales and distribution, and quality management documents — with linked documentation. Typically, this process is either handled manually or with an internally developed solution, which costs a company resources, time, and money, while potentially introducing errors and compromising security and control.

SEAL Systems’ easy-to-implement solution requires no training since it integrates into SAP’s standard transactions. End users can easily distribute orders — complete with their attached documents — through print, mail, fax, and via the Web, published in either a standard output format, like a PDF, or based on business-defined publication guidelines.

In addition, to enable greater security and control, the solution allows users to number document pages, add automatic headers and trailer pages, and include security stamps and watermarks on each page based on the order’s identifying information. The final document output can also be supplied in PDF format, so it can be easily archived if necessary.

**Boost Efficiency, Ensure Security**

With this solution, users can ensure they are getting the right documents with the right information to the right people — every time. And increased efficiency and improved security bring tangible dividends: A simple ROI calculation can easily demonstrate that a company can realize healthy cost savings over a short period of time.

For example, let’s say that during one implementation, a customer produces over 400 separate print jobs to compile a project document to submit to its supplier. SEAL Systems’ solution for document publishing (DPF) reduces the print time from two weeks to less than half an hour. Let’s say another customer was printing plant maintenance work orders with attachments at a rate of 550 orders per month. The process for their print room took 82 hours to complete on average. SEAL Systems’ solution for PM printing (RGUI + PM) reduces this time to 12 hours.

This solution is one of many that SEAL Systems offers in the SAP market. To learn more, please visit www.sealsystems.com.
Northrop Grumman Developers Get Their SAP Project Off the Ground Using Gold Client

Build a new SAP production landscape — but with limited data and access? This was the challenge facing the One Source Enterprise Solutions Group at global security company Northrop Grumman. The group was tasked with creating a new SAP production landscape in a remote location for an internal customer whose data needed to be segregated and protected from unauthorized viewing.

To build and test any new landscape, a development team needs to work with current and relevant data. However, in this case, the typical step of copying the entire production database into the development or quality environment was not an option.

The Northrop Grumman team had to find a solution that would allow them to surgically extract the small amount of critical data present in the production database — roughly 1% to 2% of the full 2TB database — along with all the subsequent supporting data. Additionally, the new landscape would be moved to a remote location, to which the development team would have very limited access. This meant that there was little room for error and few opportunities to make post-production fixes, and that obtaining live production data was critical to the new landscape’s long-term success.

Overcoming the Data Transfer Hurdle
Paul Stoltz, Manager, Enterprise Solutions Group Strategy and Support at Northrop Grumman, knew of a product that he thought might help: Gold Client data management software from Hayes Technology Group. Stoltz approached Hayes Technology with three issues that his company was grappling with:

- How to build and test new landscapes with current, relevant transactional data — without compromising confidentiality
- How to ensure the environments were in sync with the new remote SAP instance that contained the live production data
- How to complete the project within a short, two-week timeframe

Once Hayes Technology demonstrated how Gold Client replicates master and configuration data, as well as a specific, user-selected subset of non-classified transactional data, “it became apparent immediately that we found our solution,” Stoltz said.

“The team arrived on Monday to install Gold Client. By Tuesday they were identifying and migrating data with our team, and they spent the day Wednesday and Thursday confirming and validating that everything was moved and in the proper location in the landscape, with full data integrity intact. It took roughly one hour to move the actual data. Gold Client went into the very complex area from which we needed a specific data set and knocked it out of the park,” said Stoltz.

Stoltz and his team also found Gold Client to be extremely flexible on everything from Z tables to data linking, which was important given the narrow range of data they were allowed to extract. Gold Client made it easy for the IT team to tell which data posted and which didn’t, helping identify and eliminate errors. “A global ERP landscape can be very complex,” Stoltz said. “Gold Client is not. It’s very straightforward and easy to use.”

Better Data, Smaller Databases
Intelligent data transfer tools allow developers to slice data as finely as they need to, eliminating the need for full database copies and limiting the stress put on storage capabilities. And since Gold Client allows IT teams to dynamically create user-defined subsets of SAP data, teams will also see improved test data quality, development and data integrity and compliance, and reduced storage and hardware expenditures — throughout the entire life cycle of that data.

To learn more about Northrop Grumman’s experience using Gold Client, visit www.goldclient.com.
The reduced costs, improved application performance, and better service-level agreements (SLAs) that come with a successful data archiving strategy are critical to the success of the enterprise application environment. And an effective archiving strategy focuses on two critical elements: a primary application where information is generated, and a storage platform to secure and manage that information.

Choosing the right storage platform is especially critical, particularly when weighing information access requirements against cost considerations. Simply storing everything forever, even on a less costly secondary tier of storage infrastructure, is neither cost effective nor conducive to reducing risk. That’s why enterprises planning their data archiving strategies have to find the right balance between optimal cost savings and risk avoidance.

To maximize the ROI on your archiving strategy, it’s also important to consider other crucial elements, like how to expand your data management strategy beyond one application or content type and how long to retain data once it has been archived. Focusing on the former will result in economies of scale and further cost reductions while the latter will result in not only reduced costs, but reduced risk.

However, companies still struggle with data archiving and information lifecycle management. The reason? Most organizations do not have good information governance in place; they don’t dispose of their data according to business rules and policies, making it difficult to separate the important content from the unimportant. We’ve found that organizations haven’t solved the problem of effective information retention management because the tools available in the marketplace are too complex, aren’t automated, and require too much administration. EMC Documentum Archive Services for SAP NetWeaver Information Lifecycle Management is a solution designed to meet today’s challenges.

**The EMC Approach**

Since 1996, EMC has been working with SAP to provide enterprises with the best practices, software, and hardware that will cover all of the aspects of optimized archiving. Archive Services for SAP NetWeaver Information Lifecycle Management – which was the first SAP-certified partner offering for information lifecycle management (earning the WebDAV 1.0 certification in 2006) – supports either an SAP ArchiveLink-certified, or XML WebDAV 2.0-enabled means of capturing all transactional data, reports, and business documents from your production SAP environment and then transferring that data to a secure, scalable, and extensible archiving platform. This platform is designed to manage even unstructured information, like emails, images, and reports.

EMC Documentum Archive Services for SAP NetWeaver Information Lifecycle Management integrates with a number of storage platforms, including EMC Centera, an IP network storage system designed to store and provide fast, secure, and easy access to fixed content, such as SAP data. EMC Documentum Archive Services for SAP solutions in standalone or ILM mode provides the foundation to store archived SAP data and documents, not only for efforts like system decommissioning, but also for related archiving initiatives for email, scanned images, or mainframe reports. In addition, enterprises can begin to leverage and reuse SAP content and utilize workflow and business process management for greater content management. With EMC Documentum Archive Services for SAP NetWeaver Information Lifecycle Management, enterprises are assured of cost reduction and minimized enterprise risk.

**Learn More**

For optimal data archiving, companies need a complete solution that will reduce data storage costs, improve service levels, and enhance application performance. For more information, please call +1 800 607-9546 (US) or +1 925 600-5802 (international), or visit [www.emc.com/saparchiving](http://www.emc.com/saparchiving).