

By Standardizing on Informatica Application Retirement Solution, EMC Corporation saves \$1 Million

Information storage leader uses Informatica Data Archive to rationalize its application portfolio and receive payback within 6 months.

BUSINESS INITIATIVES

- Reduce management, software and hardware costs of legacy data
- Manage data growth arising from acquired businesses
- Optimize the application infrastructure

TECHNOLOGY STRATEGY

Implemented Informatica® Data Archive™ for application retirement to retire applications data built up through years of growth and acquisition. Retired data archived to content addressed storage solution using pre-built accelerator for Oracle E-Business Suite, while simple access to archived data from the Data Discovery portal and any reporting or Business Intelligence tool, is maintained.

“Over the next few years, we expect to save significant operational expense by removing redundant applications accumulated through acquisition and decommissioning of legacy systems. This allows us to free up valuable IT personnel and save \$1 million in budget to focus on higher value activities.”

— Ramesh Razdan, Senior Director of enterprise technology services, EMC Corporation

Consider the EMC Dilemma

When a business has acquired more than 40 software and services companies over the course of four years and achieved six years in a row of double-digit annual revenue growth, there are bound to be growing pains—especially when it comes to managing data. Keeping storage, server, and application maintenance and operational costs under control and managing the complexity of its application infrastructure, all become more challenging. This was the situation EMC found itself in. The undisputed global leader in information storage solutions had absorbed very large companies like Legato Software and the time had come to consider retiring the legacy applications and data associated with some of these companies.

“Using Informatica, EMC has been able to rapidly retire multiple candidate modules over a three-day period, including Accounts Receivable, Inventory and General Ledger, says Ramesh Razdan. “It is remarkably easy to retire legacy or custom applications, manage our data growth and application portfolio safely and efficiently, and ensure the business has complete access to the data with Informatica Data Archive.”

It was against this backdrop that EMC standardized on Informatica for their application retirement solution. Using the high performance and scalable Informatica Data Archive, the information storage company has embarked on a long-term application retirement strategy. The benefits of safely retiring application data, and ensuring the retired data is readily available to the business whenever it's needed, after the legacy application has been decommissioned are extensive. EMC anticipates saving up to hundreds of terabytes of storage and \$1 million. These savings will be derived from reduced hardware, software, and ongoing maintenances costs. They will also result in a complete payback on the Informatica investment within a year. The application retirement solution will also significantly boost staff efficiency: the time and resources devoted to application maintenance will be reduced. Meanwhile, EMC's application users will benefit from more efficient and effective operations.

Acquired More Than 40 Companies in 4 Years

EMC's tagline 'Where Information Lives' is a bold claim for any data storage company to make, but in this case, it's undoubtedly true. This leader of the technology industry has helped thousands of customers to introduce flexible, scalable, and secure information infrastructures, and in turn release the power of their information. To strengthen EMC's core business and extend its market to new areas, the company has, over the past four years, acquired more than 40 software and services companies. Meanwhile, 2008 marked the largest revenue year (\$14.9 billion) in EMC's 30-year history and EMC's sixth year in a row of achieving double-digit annual revenue growth. In fact, from 2003 through the end of 2008, EMC's total consolidated revenues have grown at a compounded annual rate of 19 percent.

All of this is great news for customers, shareholders, and employees. But it presents some formidable challenges when it comes to managing the exponential growth in the company's data. The acquisition of large organizations like Legato Software, for example, has contributed to this growth. One particular example brings the pain EMC was experiencing into sharp relief. Two enterprise-scale, mission-critical systems support EMC's revenue generation: an Oracle E-Business Suite implementation supporting 20,000 employees with 2,000 concurrent users, and a customer relationship management (CRM) solution which supports 50,000 named users worldwide with 4,000 concurrent users. Over time, the Oracle ERP production database had grown to two terabytes (TBs), and the CRM system to seven TBs. There are currently 15 instances of the ERP database and 19 instances of the CRM database serving to ensure efficient global application delivery and support.

As part of an over-arching strategy to reduce costs, free up resources, and improve overall efficiency, the company's IT organization turned to Informatica to examine the practicalities and value of retiring applications. A starting point for this long-term strategy was to examine the merits of retiring and decommissioning the legacy Legato infrastructure and Oracle applications instances. Altogether, the goal is to retire approximately 21 Oracle E-Business Suite and custom applications, the average size of which is up to 700GB.

Based on its existing technology partnership with EMC, Informatica was the first choice for this data retirement solution. “Over the years, EMC has forged a strong partnership with Informatica to deliver innovative data integration solutions,” explains Ramesh Razdan, Senior Director of enterprise technology services, EMC. “Informatica's best-of-breed technologies now extend into information lifecycle management and we

are excited to leverage their capabilities in this area as well—especially in application retirement.”

Safely and Easily Archive Oracle Data

EMC’s readiness to use Informatica Data Archive is based on the fact the data storage company’s IT team can safely and easily archive their data—including master, reference, and transactional data—and then readily access it at any point in the future. By retiring the legacy Legato data, EMC saves on management, software, and hardware costs. In the first phase of the project to retire a proportion of the Legato applications environment, EMC retired three Oracle E-Business Suite 11.5.8 modules. These modules included Accounts Receivable, General Ledger, and Inventory—each of which is stored on the EMC Centera content addressed storage (CAS) device. This CAS device provides an active archiving capability, based on single instance storage and content authentication.

Informatica mines the metadata stored in the Oracle database to capture information about the application tables and relationships between them. Pre-built accelerators for the Oracle E-Business Suite provide comprehensive metadata about the business entities and the associated database tables for those entities. These accelerators can be quickly customized to incorporate custom modules, tables, and attributes that are typically defined for different businesses. Accelerators can also be extended to archive and retire custom applications. The combination of mined and pre-built application metadata allows Informatica Data Archive to relocate complete transactions and in the case of EMC, retire the entire application data.

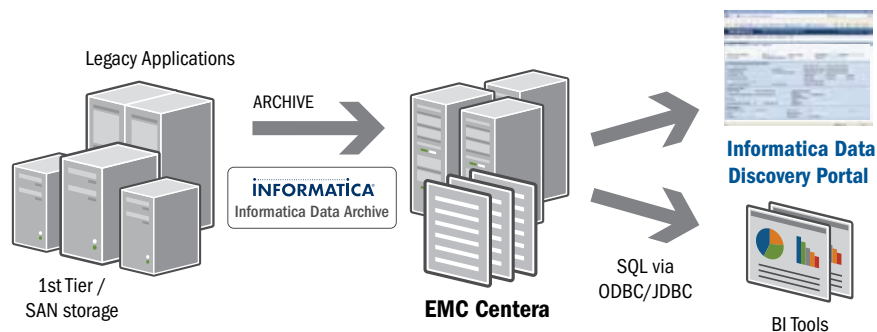


Figure 1: Informatica Data Archive is the heartbeat of EMC’s application retirement strategy. It archives data from retired applications to more cost-effective storage, like EMC Centera.

“We are very impressed by the flexibility and rich functionality of the Informatica solution,” says David Atkins, from the Oracle Global Solutions Group, EMC. “Retired application data is stored in a highly compressed immutable file archive format, which significantly reduces the size of the data. Despite this, data can still be easily accessed through the data discovery portal for searching and browsing and using any third party reporting or Business Intelligence tool.”

First Retirement Phase Completed Over 3 Day Period

This initial retirement effort took place over a period of three days. On the first day, the team launched the retirement of the first module, Accounts Payable. Using the Informatica Data Archive graphical user interface for customizing and extending application accelerators, the module was initially mined and then a business entity was created to represent the information that will be accessed after the retirement. The data was then extracted to temporary staging files. On day two, two other modules were retired: Inventory and General Ledger. The Accounts Payable module data was converted to a compressed, optimized file archive format and

stored on the EMC Centera device. After this, the data on the EMC Centera was discovered using the data discovery portal. The retirement process for Inventory and General Ledger was also scheduled via the Informatica Data Archive wizard-based interface for defining retirement projects.

On the last day—and finishing ahead of schedule—the EMC team converted the Inventory and General Ledger modules data to a compressed optimized file archive format and stored it in the EMC Centera. The Informatica Data Archive data discovery user interface was also used to search and view the transaction records within both modules. Informatica data discovery portal allows retired data to be viewed from an application-independent interface, while providing the original Oracle E-Business Suite application user interface look and feel. Overall a twenty to one compression ratio of the data in the optimized file archive format was achieved and stored in the Centera archive.

EMC used the savings highlighted by this initial application retirement phase to estimate the result of retiring other designated legacy applications. "Over the next few years, we expect to save up to hundreds of terabytes of storage, one million dollars, and improve IT efficiency by removing redundant applications accumulated through acquisition and decommissioning legacy systems that are no longer vital to the business. As a result, Informatica allows us to free up valuable IT personnel to focus on higher value activities," Ramesh Razdan explains. "It will also result in a complete payback on the Informatica investment within six months."

There are other advantages to Informatica Data Archive for application retirement. By removing data and applications to the EMC Centera, software maintenance costs of legacy applications are eliminated, while servers and storage allocated to legacy applications can be re-purposed to more business-critical IT projects. In parallel, the retirement enables EMC to safely decommission legacy applications by being able to guarantee transactional and referential integrity and easy accessibility for all archived data. Finally, the solution will also significantly boost staff efficiency: the time and resources devoted to application maintenance will be reduced. The retired data is also retained more cost-effectively for compliance purposes.

Learn More

Learn more about the Informatica Platform. Visit us at www.informatica.com or call +1 650-385-5000 (1-800-653-3871 in the U.S.).

About Informatica

Informatica Corporation (NASDAQ: INFA) is the world's number one independent leader in data integration software. The Informatica Platform provides organizations with a comprehensive, unified, open, and economical approach to lower IT costs and gain competitive advantage from their information assets. More than 3,700 enterprises worldwide rely on Informatica to access, integrate, and trust their information assets held in the traditional enterprise and in the Internet cloud.

BENEFITS

- Anticipated savings of \$1 million
- Resulted in a complete payback on the Informatica investment within six months
- Retired multiple candidate modules rapidly over a three-day period
- Helped EMC safely rationalize its application portfolio
- Guarantee transactional and referential integrity for all archived data
- Ensure continued access to the archived data from an application-independent interface, with similar look and feel as original user interface
- Ensured business has complete and easy access to the retired data within the archive from any reporting or Business Intelligence tool
- Eliminate unnecessary software maintenance costs of legacy applications
- Enable EMC to re-purpose servers and storage allocated to legacy applications to other business-critical IT projects

NUTS AND BOLTS

- Solution: Application Retirement
- Products: Informatica Data Archive for application retirement
- Source: Immediate: Oracle E-Business Suite, including Accounts Receivable, Inventory and General Ledger Modules. Longer term: approximately 21 Oracle E-Business Suite and custom applications, the average size of which is up to 700GB
- Targets: EMC Centera device*

*EMC Centera is the optimal information archive for businesses and organizations that require a simplified solution to expanding amounts of fixed content. EMC Centera greatly simplifies the task of managing, sharing, and protecting all sizes of content repositories. It cost-effectively puts information online in support of new sources of revenue generation, expanded business models, and increased service levels to users and customers.



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