IBM Information Management software

Optim Data Growth Solution for Application Retirement

Highlights

- ***Facilitate compliance with data retention regulations while reducing costs***
- ***Consolidate multiple applications and data stores while maintaining access to required data***
- ***Collect, manage and store application data securely for long term retention compliance***
- ***Respond quickly and accurately to audit and discovery requests***
- ***Retire applications without having to move all data into new systems or keep retired systems available for access***
- ***Store historical business transactions in audit-ready" point in time" format***

Reduce Costs through Retirement

Consolidation and decommissioning projects often complement each other. By consolidating data and retiring (or decommissioning) redundant or legacy systems, you can improve operational management and reduce costs across your IT environment, including hardware, software, network infrastructure, power, staff resources and more. Consolidation and retirement projects just make good business sense.

Once data from similar business applications is consolidated and redundant applications are retired, substantial resources are then reclaimed to support the applications that deliver the greatest business value. For example, a skilled DBA can redirect productive time toward implementing an ERP package, rather than maintaining a patchwork of databases that support outdated legacy applications.

When you rationalize your infrastructure, you also reduce its complexity and therefore reduce business risk. For example, by consolidating a dozen homegrown general ledger applications into a packaged ERP solution, you can provide business-critical support and reduce the risk of missing key processing deadlines, such as a month-end close.

But what about the Data

If consolidation and retirement projects help save money and reduce risk, why not just move forward? Many organizations hesitate to consolidate and eliminate redundant or obsolete applications because they fear losing access to the underlying application data needed to run the business, understand and market to customers, support decision making and meet revenue goals. In addition, organizations must continue to manage historical data to comply with governance and regulatory data retention requirements. The business reality is that in almost ALL cases, access to legacy data MUST be retained while the applications and databases are eliminated from production.

When considering candidates for your consolidation and decommissioning projects, it is important to note that as much as 80 percent of historical reference data managed in application

production databases is rarely accessed. With some consolidation projects, it may not be cost effective to move all historical data to the new, consolidated application or platform. Moving large volumes of historical data consumes costly storage capacity and can degrade application performance. Similarly, with some decommissioning projects, there is the question of how to retain access to historical data once an application is removed from service.

So, can you move forward with your consolidation and decommissioning projects, while retaining access to your current and historical data? As a recognized best practice, intelligent database archiving offers a viable alternative.

Preserve historical data in its business context

The IBM® Optim™ Data Growth Solution for Application Retirement provides proven database archiving capabilities that enable IT organizations to archive and safely remove historical reference data from the application or system being consolidated or decommissioned. These capabilities provide the flexibility to move only the current data to the new/consolidated application, while managing historical data and keeping it accessible. Archived data can be stored to a variety of storage media, based on its business value and access requirements.

Data retention regulations, such as Sarbanes-Oxley, Basel II and HIPAA, require organizations to retain historical data in its original business context for specified periods of time. Using Optim, you are provided the capability to capture and remove subsets of related data that make up a logical business object, such as "payments" or "policies." Typically, these business objects are associated with other reference details through database key relationships or by means of the relationships defined in the application business logic.

Unlike ongoing archive projects to removed historical data from production systems, application retirement requires some unique capabilities to ensure compliance:

- The data archived must be accessible independent of the original application
- An archived action will in many cases only take place once for the data set
- The data will never need to be restored as the application will no longer exist
- All of the data is often archived based on business objects, not just the data not being moved to the newly consolidated system. This ensures the data is archived in its original business context prior to any transformations

Automate Business Object Discovery to gain new Data Insights, Ensure Accuracy and Speed Implementation

Successful projects begin with an accurate representation of the business object to be archived. Business objects ensure future references to archived data maintain application context and referential integrity. These objects are defined with relationships which are made up from a combination of declared database and application enabled referential integrity.

Those relationships declared in the database are fairly easy to discover through looking at the database structure and reverse engineering the context into Optim. In the most complex cases, however, data relationships can be obscured within the database or even enforced via application logic. These hidden relationships can be exposed by a formal process called "discovery," which analyzes the data directly to uncover complex associations.

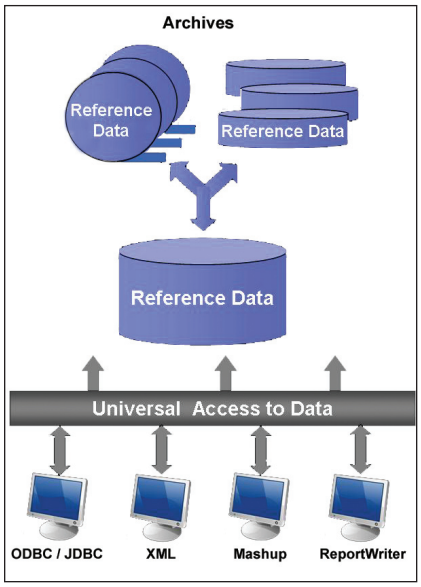
IBM InfoSphere Discovery provides a full range of data analysis capabilities to capture these hidden correlations and bring them clearly into view. Techniques include single-source and cross-source data overlap analysis, advanced matching key discovery, reverse discovery based on transformation logic and more. The relationships

derived from the discovery process are used to automatically define a baseline business object, ready for customization and refinement for final deployment with Optim. Organizations can ensure accuracy and speed the successful implementation of data archiving projects including those for application retirement.

Provide on demand access to archived application data

Organizations must have the capability to retrieve archived historical data on demand. With Optim, you have options for locating and retrieving an entire archive or any desired portion of an archive, as needed – no matter where it is stored. If necessary, you can restore archived data to an application database or separate platform. The destination database does not have to be the same type, version or even the same platform as the originating database. Because archive processing preserves the complete business object, archived data can always be retrieved and restored in its business context – regardless of the data model.

Organizations must also consider how to access archived historical data after the originating application is retired from service. Optim provides a consistent method for reporting on historical records, regardless of the application, version, or platform where the data was originally managed. With Optim's application independent access, you can rely on industry standard methods, such as ODBC/JDBC, XML or SQL, and reporting tools, such as IBM Cognos® to access archived historical data. With capabilities to query, browse and generate reports, you can respond quickly and accurately to audit or e discovery requests.



Optim provides application independent access to archived data to support retention regulations and policies

Supporting your Enterprise Environments

Optim provides a central data management solution that scales to meet enterprise needs. In addition to supporting your custom and packaged applications, Optim is the only solution to provide a consistent data archiving, test data management and data privacy approach across the leading ERP and CRM applications: Oracle® E-Business Suite, PeopleSoft® Enterprise, JD Edwards® EnterpriseOne, SiebelÐ CRM and Amdocs® CRM. And it supports all major enterprise databases and operating systems: IBM DB2®, Oracle®, Sybase®, Microsoft® SQL Server®, IBM Informix®, IBM IMS™, IBM VSAM®, Microsoft Windows®, UNIX®, Linux® and IBM z/OS®.

About IBM Optim Integrated Data Management Solutions

IBM Optim Integrated Data Management Solutions offer proven, integrated capabilities to manage enterprise application data from requirements to retirement. With Optim, teams can share data artifacts (like models, policies and metadata) to align data management with business goals and improve collaboration. Today, organizations of all types leverage Optim to improve performance, streamline database administration, speed application development, and enable effective governance. Optim delivers better business outcomes, at lower cost, with less risk, while providing capabilities that scale across enterprise applications, databases and platforms.

For more information

To learn more about IBM Optim Integrated Data Management Solutions, contact your IBM sales representative or visit: www.ibm.com/software/data/optim-solutions/

IBM Software Group
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