



# HP Database Archiving software

Data sheet

HP Database Archiving software controls data growth by optimizing retention policies for improved performance, higher availability and lower support costs while meeting long-term compliance and e-discovery requirements.

## Can you meet your database growth challenges?

Organizations of all sizes are struggling to cope with explosive database growth. Industry-specific regulations, increasing amounts of customer information, new database applications, and legal discovery requirements are forcing businesses to keep more data than ever before—and for longer periods of time. This creates a number of challenges for application, database, and storage administrators alike.

Such increase in data volumes can affect database and application performance, availability, and manageability. Correspondingly, it also compromises critical business processes—such as financial close, order processing, payroll, and management reporting. Needless to say that stiff financial penalties arising from non-compliance are also a cause of concern. Furthermore, retaining large volumes of historical data online in production databases on high availability servers and storage is an expensive proposition.

HP Database Archiving software provides long-term retention and high-speed search and retrieval of database information to:

- Mitigate database growth
- Boost application performance and availability

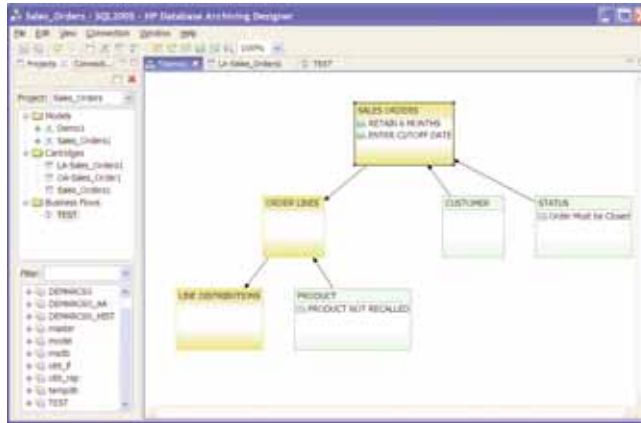


- Simplify compliance and legal discovery
- Defer capital expenditures on high-end servers and storage

Besides facilitating migration of eligible transactions off of your production Oracle and Microsoft SQL Server application databases to reduce the production database size, HP Database Archiving software also helps you:

- Accelerate database backup and recovery operations
- Reduce downtime for administrative tasks
- Streamline database cloning operations and creation of test/development environments

The Designer module lets you quickly extend archiving support to third party and custom applications, in addition to the out-of-the-box support for Oracle e-Business and PeopleSoft.



## Product overview

HP Database Archiving software helps control growth of mission-critical databases by automating the migration of data while preserving its business value and meeting the desired access requirements. Based on retention rules and policies that align with your business, data can be relocated to a separate, online database for fast, transparent access, or to standards-based XML documents for long-term retention. Moreover, the software can create subsets of your application data quickly, to simplify the management of test data for ongoing application projects and support.

HP Database Archiving software is made up of an integrated set of components. These components facilitate design, deployment, and ongoing management of archiving processes throughout the lifecycle of applications and data. In addition, they deliver capabilities that address different levels of application complexity, data volumes, and archive access requirements. The components include:

- Designer—Provides a visual interface to model data and create business-aligned data migration rules with ease
- Data movement—Makes sure data relocation is performed to meet volume requirements while retaining application integrity at all times
- Archive access—Provides a full range of access capabilities to meet requirements for business operations, regulatory compliance and legal discovery
- Job engine—Automates all archiving tasks with built-in recovery and restart
- Management console—Provides system configuration, job monitoring, job launching, and complete audit trail capabilities

## Features and benefits

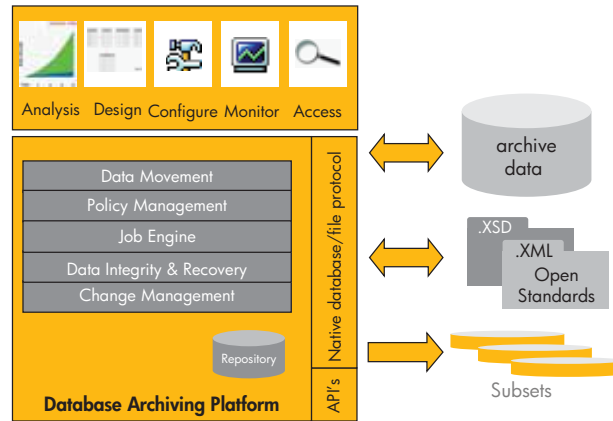
Whether you are running Microsoft SQL Server-based applications on Windows®, or Oracle-based applications on Unix®, Linux® or Windows, HP Database Archiving software offers the rich set of capabilities required to control and manage database growth.

## Database-to-database archiving for faster data access and lower costs

Database-to-database archiving gives users the option to relocate data from production databases to a secondary, online archive database, hence enabling them to archive data in its original database format. Reduction in the size of primary databases has a twofold effect. First, it accelerates end user access to production data dramatically, and still provides transparent access to the archived data. Second, as it does not require additional database design skills or storage technologies, it leverages in-house database administrator skills.

### Features

- Archives data (copy and delete) from production databases directly to secondary database with commit consistency and transaction integrity
- Allows business users to access archived data using their native application interface or enterprise reporting tools in read-only mode
- Provides simultaneous access to production and archived data using Combined Reporting™—a single query can run without change from standard application screens or reports
- Delivers scalable data movement capabilities to support broadest spectrum of application transaction volumes



- Provides integrity of production and archive data at all times through native database support and transaction consistency models
- Supports native Oracle partitioning and partition swapping for fast data movement while archiving all related non-partitioned data together as complete sets

**Benefits**

- Boosts performance and availability of database applications
- Streamlines database backup, recovery, and cloning operations
- Reduces infrastructure costs by deferring server upgrades and reducing storage requirements
- Avoids any end user re-training or application modification
- Deploys without costly, error-prone scripting, and SQL coding

**Database-to-XML archiving for long-term compliance and standards-based data access**

Database-to-XML archiving gives users the option to archive data from the production or archive databases to an industry-standard XML format. Such automatic migration of data to XML documents helps achieve database and application independence and offers long-term viability of your archive, while complying with industry-specific regulations that require data to survive

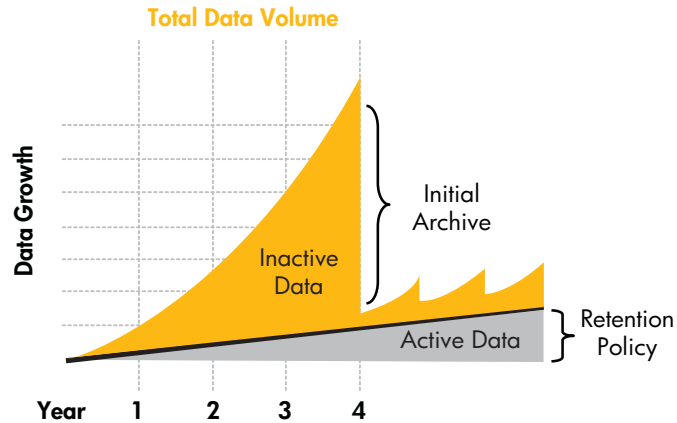
longer than the originating applications. Furthermore, this option encapsulates all relevant reference data with the transaction to make sure that the archive can “stand alone” (for example customer-specific data elements such as name, address, and contact information are archived along with sales orders transactions).

**Features**

- Archives data from primary or archive databases to vendor-neutral, industry standard XML files for long-term retention that is independent of database version, originating application, operating system, and hardware
- Combines database-to-database and database-to-XML archiving through multi-stage policies that migrate production database data to secondary online archive databases and/or XML files
- Allows enterprise reporting tools and standard SQL queries to be run unchanged against the XML archive
- Stores XML archive data in standard ASCII files on file systems, or on WORM or Content Addressable Storage (CAS) systems such as HP Integrated Archive Platform

**Benefits**

- Ensures that critical data can survive longer than the originating applications or databases
- Meets industry-specific compliance requirements for long-term data retention
- Deploys without costly, error-prone, scripting ,and SQL coding



## Visual design tool for rapid support of third party, custom, and in-house applications

The Designer module—a standard component included with the HP Database Archiving software license— provides a rich graphical interface for modeling application transactions and creating archive policies that extend archiving support to your third party and custom applications. The Designer module makes it possible for your business analysts and domain experts to focus on business-specific archiving rules, rather than on highly-specialized coding techniques. This simplifies the development and testing process. Designer is integrated with the HP Database Archiving software run-time environment for easy deployment and maintenance.

### Features

- Enables fast development of archive modules for third party and in-house applications through visual modeling of data tables and creation of archive policies and rules
- Provides multi-level rule creation for intuitive and self-documenting design capabilities
- Allows Preview reporting against production data sets to iteratively test archive rules and policies prior to server deployment
- Enables sharing and collaboration of archive projects using transportable design files
- Provides easy integration of custom scripts and external programs into automated archive operations using Business Flows

### Benefits

- Enhances return on investment by extending database archiving to virtually any application or database
- Reduces need for manual scripting and SQL coding
- Leverages in-house development team or preferred database VAR or integrator to build archiving modules quickly

## Scalability and security to handle the largest, most complex database applications

Easy to configure, the HP Database Archiving software helps meet enterprise requirements and unique characteristics of large-scale database environments, all the while handling massive data volumes with integrity. Production and archived data are kept in a consistent state because data is either archived as complete business transactions, or not at all. With retention policies being enforced for the first time means that the initial archiving runs can involve a huge amount of data. Special features such as bulk data movement are included to deal with multi-year buildup of data situations. Standard archive jobs can be run for ongoing operations. Encrypted passwords and detailed audit trails provide security for archiving operations support.

### Features

- Supports chained relationships (multiple recursive relationships) to address business cases with complex transactional dependencies in addition to table level policies and rules
- Achieves high-speed, first-time archiving through bifurcation and bulk data movement with automated reorganization of source database tables

# HP Database Archiving software aligns database management and business policies for improved performance, availability, and compliance, enabling you to have better control over your enterprise databases

- Automates recovery from failures during archive runs by archiving complete transactions and built-in job recovery capabilities, no matter how many tables are involved
- Restores entire archive runs or individual transactions back into production; safety checks are performed to make sure the data is inserted correctly without jeopardizing production database integrity
- Uses detailed audit trails to capture archive cycle information, messages, and statistics
- Stores any password required for operations in encrypted format to meet compliance with security standards

## Benefits

- Makes sure that both production and archive data are highly available
- Scales to meet needs of largest and most complex enterprise database applications
- Provides long-term data retention solution for production databases
- Facilitates business reporting and e-discovery of structured data

## Robust run-time environment and native database integration to simplify operations, increase archiving performance, and reduce maintenance

Certified for multiple open systems databases, and designed to take advantage of vendor-specific database capabilities HP Database Archiving software leverages the solution across your enterprise. This

native API and deep integration approach contrasts with solutions that use generic database drivers, interpreted scripts, and platform-specific executables. HP approach makes sure that once the archiving modules are designed and implemented, you can run them on a regular basis—monthly or quarterly—to fully maintain your databases and monitor your archiving jobs just like any other data center task. Each archiving operation is launched as a single job; in the event of an error the job engine handles all recovery tasks and re-launching of the job as required.

## Features

- Supports all major versions of Unix, Linux, and Windows through native JDK/JRE integration (no interpreted scripts). It enhances server-to-server communication
- Supports major versions of Oracle and SQL Server through API-level integration for improved archiving performance
- Provides configurable multi-threaded parallel job execution to align archive operations with available server resources
- Deploys in flexible configurations – run archiving software on the database server or separate server as desired
- Supports multiple languages and countries through multi-byte character and object support and UTF compliance for table and object names
- Provides job launching and monitoring capabilities—view jobs and drill down into exceptions as required

- Leverages existing investments in data center tools, such as job schedulers, through supported command line instructions on all supported operating systems
- Allows online archiving operations - users can remain online in the production applications without jeopardizing integrity
- Provides Eligibility Analytics™ to investigate data eligibility issues and dependencies. Further, it provides transaction-level drilldown to diagnose and resolve complex chaining situations

#### Benefits

- Provides fast installation, setup, and rapid return on investment
- Enables database archiving deployments across enterprise applications with minimal impact on database administration and operations staff
- Leverages existing investments in IT operations management products
- Supports global and international deployments

## Most ready-to-run, Oracle-validated modules for Oracle Applications

HP Database Archiving software offers more Oracle-validated, out-of-the-box modules for Oracle E-Business Suite and PeopleSoft Enterprise than any other vendor. In addition, it offers comprehensive support for Financials, Project Management, Supply Chain, Manufacturing, CRM, Human Resources, and Payroll applications. All modules have passed rigorous testing with Oracle to demonstrate HP commitment to approved integration methods. If you are an Oracle Applications customer, you can rest assure that your investments will be protected, including support for patch and version upgrades.

INTEGRATED WITH

**ORACLE**

E-BUSINESS SUITE

INTEGRATED WITH

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PEOPLESOFT ENTERPRISE

## A complete solution

### Comprehensive services, support, and training

HP offers a full set of implementation services and multiple support options to help you realize the full potential of your HP Software Information Management solutions, enable information availability, mitigate business risk, and achieve superior return on your investment. For more information about HP service and support, visit [www.hp.com/services](http://www.hp.com/services)

HP also offers a comprehensive curriculum of courses to see that your employees are properly trained on how to use HP Information Management solutions. With more than 30 years experience meeting complex education challenges worldwide, HP knows the art of training. This experience, coupled with unique insights into HP Software, positions HP to deliver a better training experience. For more information about these educational courses, visit [www.hp.com/learn](http://www.hp.com/learn)

### The smartest way to invest in IT

HP Financial Services provides innovative financing and financial asset management programs to help you acquire and manage your HP solutions cost-effectively throughout their lifecycles. For more information on these services, please contact your HP sales representative or find us on the Web at [www.hp.com/go/hpfinancialservices](http://www.hp.com/go/hpfinancialservices)

## Ordering information

For ordering and configuration information for HP Information Management software, contact your HP Software Information Management sales representative or HP Software reseller.

## Contact information

To find an HP Software sales office or reseller near you, visit [www.openview.hp.com/buy](http://www.openview.hp.com/buy)

## Available standard products and options

Choose from the following products and options to customize HP Database Archiving software to fit your information infrastructure.

<b>Base System</b>	<ul style="list-style-type: none"> <li>• Graphical-based Installer and Deployment Assistant—Provides ease of installation and deployment.</li> <li>• Platform support—Offers certified support for Windows Server®, Unix® and Linux® as archive server and/or database server</li> <li>• Designer—Graphical design environment features rich modeling capabilities, multi-level eligibility rules and policy building, preview reporting, project sharing, and offline cache mode</li> <li>• Run-time environment—Delivers powerful job execution capabilities including native database and platform support, job engine automation, built-in recovery/restart and extensibility framework</li> <li>• Standard Data Movement—Facilitates database-to-database and database-to-XML file data movement</li> <li>• Change management—Synchronizes archive tables with the production tables.</li> <li>• Business flows—Maintains multiple jobs consolidated into a single logical run-time operation, including the ability to call custom jobs/scripts (external programs)</li> <li>• Management console—Enables configuration, monitoring, database administration tools, and job launch capabilities</li> <li>• Support for transactional and batch reload capabilities</li> <li>• Multi-byte character support—Supports multi-byte characters in both database objects and data</li> </ul>
<b>Oracle Database Connector</b>	Native support for Oracle database environments including 8i, 9i, 10g, and 11g
<b>Microsoft SQL Server Database Connector</b>	Native support for Microsoft SQL Server 2005 environments
<b>Archive Query Server Option</b>	SQL access to XML archive files for any ODBC/JDBC/.NET client
<b>Archive Access Transparency Option</b>	Support for native application access in query-only mode. Also supports Combined Reporting™ for access to current and archive data in a single report or query
<b>Advanced Data Movement Option</b>	Provides support for high volume and complex data environments by leveraging specialized data movement techniques, including support for table partitioning. Also, provides automated support for source table reorganization during archiving operations.
<b>Developers License</b>	Unrestricted capabilities to design test and deploy archive modules in development environments

### Table 1: HP Information Management solutions satisfy a range of enterprise needs.

The HP Information Management portfolio is expanding to help you keep pace with your expanding information. Start with the product that satisfies your biggest information management challenge, and then add additional products to enhance return on investment.

Product	Description
<b>HP Integrated Archive Platform</b>	HP factory-integrated archival storage solution combines HP servers and grid storage with built-in indexing, search, and policy management software to preserve all enterprise content for e-discovery, compliance, and storage enhancement initiatives centrally.
<b>HP Email Archiving software</b>	HP partner products for HP Integrated Archive Platform mine messages and attachments from Microsoft Exchange and IBM Lotus Domino help you retain email for e-Discovery, increase email performance and availability, and reduce storage costs.
<b>HP File Archiving software</b>	HP file archiving software offers policy-based migration of files to HP Integrated Archive Platform or other archiving targets to help you retain files for e-Discovery, enhance file server performance, and reduce storage costs.
<b>HP Data Protector software</b>	HP flagship enterprise backup and recovery software, now with over 22,000 customers worldwide, facilitates availability of all your information. Basic-to-nearly continuous data protection options and broad support for HP and non-HP infrastructure enable you to meet the widest range of recovery point/time objectives. Archive Access Transparency Option Support for native application access in query-only mode. Also supports Combined Reporting™ for access to current and archive data in a single report or query.
<b>HP Medical Archive solution</b>	HP purpose-built solution for healthcare organizations archives medical images to built-in disk storage as well as additional storage tiers so you can retain medical images for compliance, improve the quality of patient care, and reduce storage costs.

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