

HP Integrated Archive Platform 2.0

Data Sheet



HP Integrated Archive Platform (HP IAP) provides scalable, long-term information retention with high-speed search, and retrieval capabilities that help mitigate costs and business impact of e-discovery preparation, legal response, and regulatory compliance.

With HP IAP cut litigation costs—which at an average exceed \$1.5 million per case with 30% of that cost being IT related—and avoid penalties for non-compliance running into millions of dollars.

Adopt the HP Integrated Archive Platform (IAP) to overcome these challenges. Make your organization litigation-ready, deliver rapid legal discovery response, and reduce the cost and complexity of managing e-mail, file system storage, and quotas with HP IAP. Effectively manage, retain, and retrieve information—a crucial strategic asset.

Product overview

HP Integrated Archive Platform (new name for HP Reference Information Storage System, or RISS) provides long-term retention and high-speed search and retrieval of your information. Converging HP server and grid storage technology, native content indexing, search, and policy management software onto a single, factory-assembled rack system HP IAP sets standards for archiving scalability, flexibility, and performance.

Besides helping organizations build a cost-effective e-discovery platform to avoid court fines, legal fees, and lawsuit settlements associated with non-compliance, HP Integrated Archive Platform also helps you:

- Increase e-mail, file, and application servers performance
- Defer capital expenditures on new primary storage systems
- Reduce size of data backup and recovery by accelerating both functions in the process

Figure 1: HP Integrated Archive Platform combines customer-proven HP ProLiant servers and HP grid storage with built-in indexing, search and retention policy management software.



HP Integrated Archive Platform helps preserve email, documents, print streams, and database information on a single searchable archive. This helps to meet the needs of different stakeholders within your organization by:

- Providing unmatched scalability and performance which enables a responsive, cost-effective e-discovery foundation that helps your general counsel and records managers respond quickly to legal discoveries. This helps avoid court fines, legal fees, and lawsuit settlements often associated with non-compliance
- HP IAP offers a wide range of built-in compliance and e-discovery features that help you comply with—and prove compliance with—industry specific regulations.
- Reducing the need for Microsoft Exchange and IBM Lotus Domino quotas and message size restrictions
- Offering an affordable, easily searchable and more manageable storage tier that addresses your changing needs
- The attractive price point will enable your IT department to preserve information on a more searchable, more manageable tier of storage as the value of your information changes over time

- Enabling finance department—backed by HP design, implementation, and support services—to simplify contracts and engage with a trusted supplier

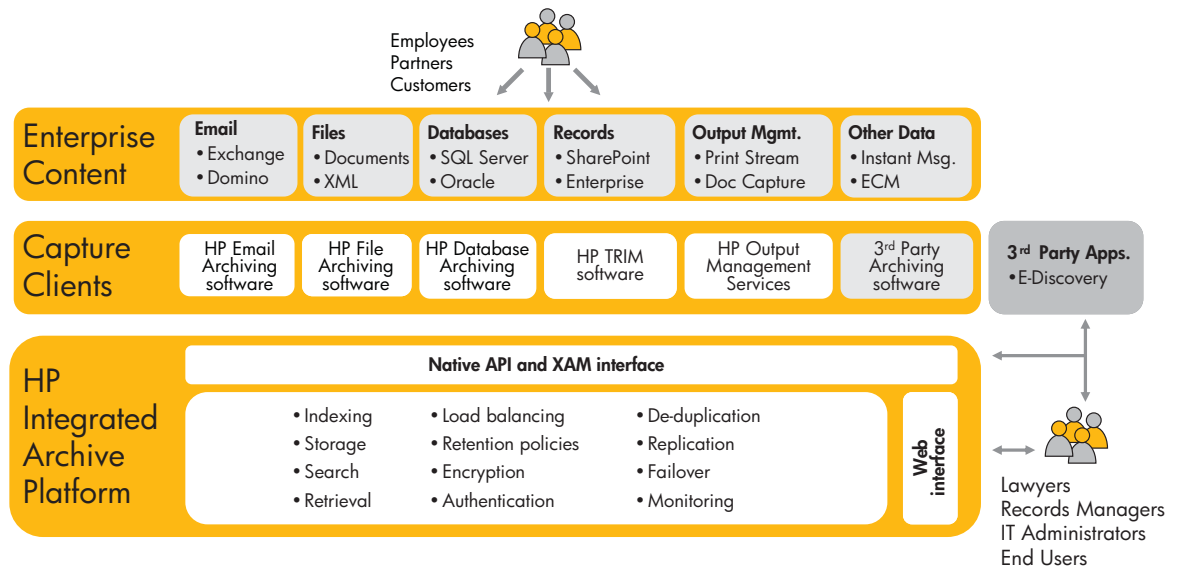
Features and benefits

Information protection, retention, and retrieval are critical to running a successful business. An extension of HP information management portfolio, HP IAP helps you capture, manage, analyze, and deliver information in a timely fashion. This enables an organization to address its content archiving and e-discovery requirements in an efficient manner.

Factory-integrated approach for easier installation, simpler maintenance, and greater investment protection

HP IAP is a consolidated platform—with HP ProLiant servers, HP grid based disk storage, and a comprehensive set of platform management software residing on a factory-integrated and tested rack system—that relieves you of the burden of installing and deploying different components on your site. HP IAP offers end users the flexibility to continue to use the applications that created the information, such as Microsoft Exchange or IBM Lotus Notes. Further, native APIs and, soon, a standards-based interface

Figure 2: HP Integrated Archive Platform is the foundation of the HP information retention solution set, which provides everything you need for high-performance, scalable content archiving and e-discovery preparation



allow for seamless connections to HP Archiving software for e-mail, files, and databases, as well as third party records management, e-discovery, and output management solutions. Also, you can grant access to archived information to authorized users through the platform’s Web user interface. In addition, as a leader of the XAM Specification and XAM-Interface for standards-based inter-operability across third party applications and content-addressable storage, HP is working with its ISV partners to add support for many more applications and data types.

Features

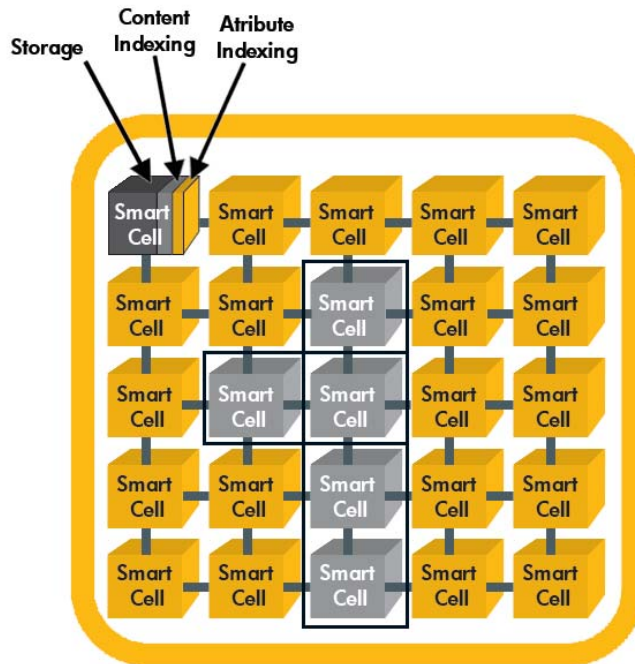
- Enhanced support in IAP 2.0 for new features in Email Archiving software for Microsoft Exchange 2.0: “Outlook Integrated Archive Search” and “Folder” capture, which retains folder structure for search and export of original folder structures to PST.
- Simplifies implementation and administration with a comprehensive set of platform services, including built-in disk storage, processing, grid management, access management, security management, content indexing and storage, content search and retrieval, digital signatures, user authentication, capacity management, load balancing, routing, failover, kick-start services, and system monitoring

- Choose from complementary solutions such as HP Email Archiving software, HP File Archiving software, HP Database Archiving software, HP TRIM software for enterprise records management, HP Output Server Management for print stream and document captures, as well as wide range of third party ECM and e-discovery applications to consolidate enterprise content into the HP IAP.
- Enables transparency to help end users access archived content using standard application plug-ins
- Uses a separate, more secure Web interface to permit authorized lawyers, records managers, IT staff, and end users to access archived content directly, independent of source applications
- Leverages HP service and support for all platform components

Benefits

- Accelerates implementation and time-to-value
- Reduces staff hours needed for maintenance and support
- Simplifies contracts and avoids vendor finger-pointing
- Takes advantage of newer, “greener” technology as it becomes available to future-proof your investment

Figure 3: The Smartcell grid distributes storage, indexing, search, and retrieval processing for consistent, scalable performance



Enhanced scalability addresses growing archiving requirements

HP IAP unique grid computing architecture is capable of “multi-dimensional” scalability helping you accommodate growing volumes of data, changing SLAs, and performance needs. Correspondingly, Universal Smart Storage Cells or Smartcells— independent capacity units each with their own indexing and processing power—can be added to meet growing archiving requirements. Subsequently you can choose from store, search, and application gateway portal modules to enhance search and retrieval performance. Each of these components can be added independently or in parallel to help your system maintain peak performance levels.

Features

- Enhanced Smartcell technology leverages IAP’s unique grid architecture that can now scale from 2.1 TBs to nearly 450 TBs in a single system, reducing costs and overall foot print of archive storage.
- Starts with a Base System, which includes servers, switches, rack, management software, and up to 3 Smartcells. Users can add expansion racks and modules to meet their growing archiving needs

- Store Portal, Query Portal, and Expansion Capacity modules are available as independent upgrades
- High density Smartcells with a smaller physical footprint, decreased power consumption, and improved cooling features further enhance archiving capabilities

Benefits

- Helps you implement a centralized, multi-content enterprise archiving solution that can stay ahead of your information growth
- Equips you with the ability to gain flexibility and power to respond to evolving e-discovery mandates and regulatory compliance issues

Performance to enable fast e-Discovery response

Unlike standard archiving solutions, which deliver slower search results as archives grow in size, HP IAP innovative grid-based architecture distributes content, indexing, and processing power intelligently across hundreds of Smartcells—each of which, can operate in parallel. Hence, no matter how big your archives get, the consistent, linear search and retrieval performance, speeds up your response time to multiple legal discoveries—a critical requirement in today’s litigation-ridden business environment.

Features

- Distributes full text indexes and original content evenly for high performance parallel search, delivering results on billions of objects in seconds
- Locates relevant archived information quickly with native Complex Boolean, Fuzzy Word, and Proximity search
- Repeats common searches with Save Query Criteria and Save Results features
- Background Duplicate Object Removal engine improves search and storage efficiency by continuously removing duplicate objects in the background.
- Exports search results to legal analytics tools
- Deploys faster, and higher-capacity Smartcells, as they become available in the same grid, to leverage technology advancements

Benefits

- Provides end user access to e-mail, file, and other information assets
- Enables fast response to multiple, simultaneous discovery requests, even in the face of massive data growth
- Reduces the need to bring in costly legal or IT consultants to assist with e-discovery
- Keeps executives and key employees focused on business by decreasing time spent on discovery, preparation and response
- Leverages your archiving investment well into the future while facilitating a hassle-free deployment of a long term archiving strategy at your site

Addresses legal and regulatory compliance issues

HP Integrated Archive Platform offers a wide range of built-in e-discovery and compliance features that help you comply with industry-specific regulations. Enhance e-discovery capability through integration with forensics, analytics, and case presentation solutions.

Features

- Automates and authorizes information retention and destruction through rules-based policies based on content and content attributes (example age, size, keywords and so on)
- Quarantines search results for specific time periods
- Allows for special archive conditions based on roles

- Provides immutable audit trails to prevent object-level data tampering and spoliation
- Makes archived information more secure with encryption, digital signatures, and “WORM on disk” capabilities
- Retention Management periods can be set to “ingest date” or “sent date” for email or “last saved” date for files. This improves flexibility for setting retention policies to meet governance and compliance requirements.
- Prepares archived information in appropriate legal formats with case presentation tools
- Checks unauthorized access to data
- Controls physical access to the system through lock and key

Benefits

- Aligns IT and legal requirements, and provides a platform that creates a bridge between the departments
- Improves compliance with updated US FRCP 37(b) “Safe Harbor” data retention requirements, US Sarbanes-Oxley Act, US SEC 17a-4, and other regulations
- Halts “good faith” or inadvertent destruction of potentially relevant information caused by human error or incorrectly followed HR or corporate governance policies

Native support for e-mail archiving

HP Email Archiving software for Microsoft Exchange and HP Email Archiving software for IBM Lotus Notes and Domino, part of the growing family of application archiving software that leverage the scalability, compliance, and retention management capabilities of the HP Integrated Archive Platform, provide an a complete, end-to-end solution for e-mail archiving.

Features

- Mines Exchange and Domino messaging, stores, and automatically migrates or copies sent and received messages and attachments in HP Integrated Archive Platform
- Selects from two modes of e-mail archiving. Selective mode moves a subset of your e-mail based on attributes such as send date, size, and keywords. Compliance mode copies all e-mail sent or received as per specific users or groups of users

- Determines e-mail retention periods based on regulatory, compliance, or governance settings
- Enables automatic destruction of e-mail
- Allows only compliance enforcing officers or other authorized personnel to search archived data
- Consolidates end-user managed, non-compliant personal e-mail folders by importing PST/NSF files into the central archive so they, too, are indexed, searchable, and centrally managed
- Enables end users to search and retrieve archived e-mail, without IT intervention from Web user interface, Microsoft Outlook and IBM Lotus Notes clients
- Local caching provides off-line access to archived e-mail

Benefits

- Increases end user productivity by reducing e-mail quotas and message size restrictions
- Archives e-mail, hence mitigates risks in event of an e-discovery
- Migrates messages and attachments from expensive tier 1 storage to more dense storage devices, hence, reducing storage costs
- Accelerates e-mail backup and recovery
- Improves performance and availability of Exchange and Domino servers

High availability and space efficiency

In addition to scalability and performance, your archive needs to be available continuously to offer anywhere, anytime access, and space efficiency to reduce costs. HP Integrated Archive Platform increases availability by synchronously mirroring each object within the data grid, employing redundant paths, and optionally replicating the entire system to a local or remote site. For space efficiency, the platform identifies duplicate e-mails, attachments, and documents, creates pointers, and removes the extra copies from the archive.

Features

- Mirrors data synchronously across a group of Smartcells for increased availability
- Implements local or remote replication for both active-active (2-way) and active-passive (1-way) configurations
- Reduces the amount of data stored in the archive through data compression and object-level single instancing algorithms
- Uses embedded backup solution for local backup, electronic vaulting, and disaster recovery

Benefits

- High availability addresses general business, e-discovery response, and regulatory compliance issues
- Reduces storage costs through de-duplication

Standards-built inter-operability for investment protection and greater flexibility

As a leader of the Storage Networking Industry Association (SNIA) eXtensible Access Method (XAM) specification and interface for standards-based inter-operability between third party applications and content-addressable storage, HP is collaborating with its software partners to make sure that HP Integrated Archive Platform works with many more applications and archives the widest possible range of data types in the future. Solutions can search, extract data from, and apply their own review and production capabilities to archived data.

Features

- Exchanges information with other XAM-enabled information management solutions. For example, a forensics application can extract e-mail from HP Integrated Archive Platform to perform advanced analysis and cull search results, or a records management solution can manage the approval process that moves documents in and out of HP Integrated Archive Platform
- Shares compliance metadata with XAM-enabled e-discovery applications to make sure that HP Integrated Archive Platform implements its data retention and data destruction policies
- Makes sure that after XAM-enabled applications classify and annotate data, it should be directed back to HP IAP along with the extended metadata
- Provides universal access to archived information—any authorized XAM-compliant application can store, retrieve, and query HP Integrated Archive Platform

Benefits

- Offers you the flexibility to select from a wide range of e-discovery, compliance, and archiving solution providers
- Deploys integrated solutions faster, with fewer inter-operability issues
- Reduces exposure to obsolete or inadequate solutions or technologies
- Cuts costs with tested, standardized architectures

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, ensure 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

HP also offers a comprehensive curriculum of courses to make sure 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 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

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Available standard products and options (Choose from the following products and options to customize HP Integrated Archive Platform to fit your information infrastructure)

Base System

- The Base System is a 42U rack that comes complete with one (1) Universal Smartcell; one (1) Query Portal; one (1) Store Portal; management software; and switches. Together, these components provide a scalable archiving foundation capable of retaining hundreds of terabytes and billions of objects.
- HP Integrated Archive Platform management software includes: Grid architecture and management
 - load balancing; system monitoring
 - distributed content indexing
 - User WebUI search, retrieval, and export
 - data retention and quarantine policies
 - access and security management
 - tamper protection with digital encrypted signatures
 - data authentication
 - auditing and worm-on-disk
 - APIs and XAM interfaces for integrating with HP e-mail, file, and database archiving software and third party applications; and a Web-based graphical user interface for information search and retrieval.
- Additional space is available in the Base System rack for up to three (3) storage capacity upgrades (Universal Smartcell) and multiple performance upgrade options.
- The Base System is factory-assembled and tested to meet customer-specific configurations and enables fast onsite deployment.

Expansion Rack

- The Expansion Rack is an additional 42U rack that can be used for capacity or performance upgrades beyond what can be supported in the Base System rack. The Expansion Rack can support up to a maximum of 10 redundant Smartcell storage capacity upgrades and/or Portal and Application Gateway performance upgrades in any combination.

Storage capacity upgrade

- The Universal Smart Storage Cell, or Smartcell, is purchased as a group of two independent and redundant storage components for easy storage upgrades and/or performance enhancements and are attached into an existing HP Integrated Archive Platform Base System or Expansion Rack. For superior flexibility and investment protection, the Universal Smartcell can support previous IAP software versions and their associated mirrored, useable capacities (check support matrix for specific details), and when the IAP software is upgraded to a more recent or current version, the additional available capacity supported by that software version can be released for use. HP IAP software version 2.0 supports 2.1TB of total available mirrored capacity in a highly protected RAID-6 configuration and multiple capacity upgrades can be deployed to meet your varying capacity requirements.

Available standard products and options (continued)

Performance upgrades

- The Query Portals, Store Portals, and Application Gateways are optional performance components that can be purchased separately and integrated into an existing HP Integrated Archive Platform Base System or Expansion Rack. These performance upgrades make sure that system and application performance meets your unique search requirements and helps you comply with Service Level Agreements (SLAs). Like the capacity upgrades, these performance upgrades can be either factory or field-installed.
 - The Query Portal Performance Upgrade can be used to scale Query/Search performance to meet your varying search demands. One (1) Query Portal comes standard with the Base System. The Base System rack can support up to three (3) Query Portals. More Query Portals can be added into Expansion Racks.
 - The Store Portal Performance Upgrade can be used to scale Store performance to meet your varying store demands. One (1) Store Portal comes standard with the Base System. The Base System rack can support up to three (3) Store Portals. More Store Portals can be added into Expansion Racks.
 - The Application Gateway Performance Upgrade can be used to increase e-mail archiving performance in large Microsoft Exchange and IBM Lotus Notes and Domino messaging environments. A minimum of one Application Gateway is required when HP Integrated Archive Platform is integrated with HP Email Archiving software. The Base System rack can support up to three (3) Application Gateways. More Application Gateways can be added into Expansion Racks.

Replication option

- The Replication option supports local or remote replication of a primary Base System to a secondary Base System over IP to increase the availability of archived information. The option supports both "active-active" and "active-passive" modes in a star configuration.

Backup option

- The embedded backup option incrementally backs up Smartcells to tape for disaster recovery purposes. The option is equipped with an integrated SCSI or Fibre Channel controller and software that supports a wide range of HP tape drives and libraries.

Product	Description
HP Email Archiving software	HP suite of application archiving solutions that leverage the HP Integrated Archive Platform that mine messages and attachments from Microsoft Exchange and IBM Lotus Notes and Domino to help you retain e-mail for e-discovery, enhance e-mail performance and availability, make end users more productive, and reduce storage costs.
HP File Archiving software	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, improve file server performance, and reduce storage costs.
HP Database Archiving software	HP latest archiving software archives closed transactions with Oracle e-Business, PeopleSoft, and other third party and in-house applications to enable the fastest possible access to Oracle and Microsoft SQL Server data. Further, its ability to create database subsets also simplifies test data management and application change.
HP Data Protector software	HP flagship enterprise backup and recovery software, now with over 22,000 customers worldwide, enables high availability of your information. Basic-to-continuous data protection options and broad support for HP and non-HP infrastructure helps you meet the widest range of recovery point/time objectives.
HP Medical Archive solution	HP purpose-built solution for healthcare organizations, archives medical images to built-in disk storage and additional storage tiers so that you can retain medical images for compliance, improve the quality of patient care, and reduce storage costs.
HP TRIM software	HP TRIM streamlines workflow processes, reduces the costs to manage critical business documents and records, enables chain of custody and compliance, and also business transformation.
HP Output Server Management	Output Server can automatically capture enterprise content by feeding critical application print, fax, or e-mail output to HP IAP or ECM system for retention management, reduced storage costs, and fast accessibility for e-Discovery and Compliance.

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