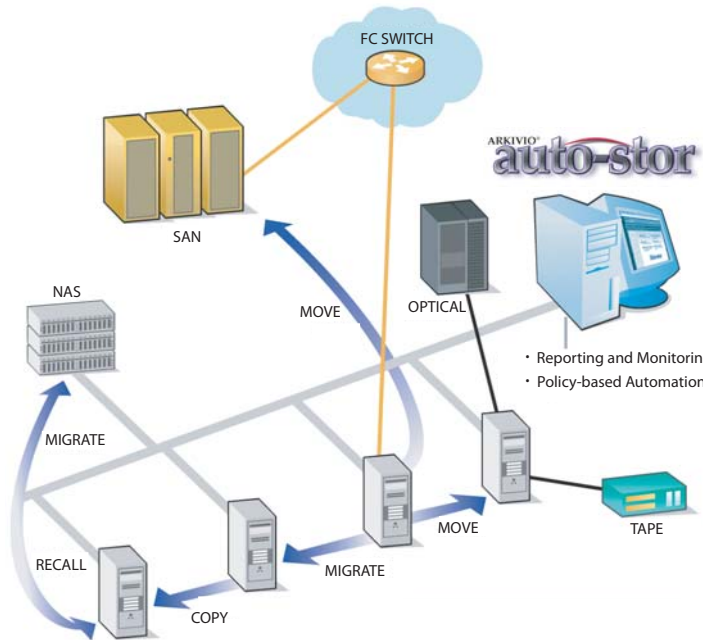


ARKIVIO® auto-stor

Information Lifecycle Management



OVERVIEW

Unstructured file system data represents up to 70% of the data growth in organizations, presenting immense challenges for IT professionals worldwide. A storage audit of over 200 large companies showed that the typical organization has not accessed 60-80% of its unstructured data residing on primary storage in over a year. Information Lifecycle Management (ILM) software solves these problems by optimizing backup and recovery, reclaiming primary storage, and providing regulatory compliance and retention management.

ARKIVIO® auto-stor is a 4th generation ILM software solution that effectively manages the explosive growth of unstructured data by integrating data and storage discovery, contextual classification, and automated management into one intelligent file system archiving solution. The software collects and analyzes detailed information about the utilization of storage and the criticality of data within its lifecycle in order to classify and prioritize data and storage resources. Additionally, the solution enables administrators to create policies which automate data management (migration, move, copy, retention, and clean-up) to consolidate and optimize resources across a heterogeneous storage environment and improve operational efficiency.

HIGHLIGHTS

- **Integrated System** - Combines discovery, classification, data movement and continuous monitoring in one unified system (Windows and UNIX/Linux)
- **Contextual Classification** - Provides flexible grouping and prioritization of data based on intelligence collected from files, user groups, directory structure, and the business relevance assigned to each group
- **Policy-Based Management** - Automates data management actions via an event-driven policy engine that is multi-threaded and interoperable with other systems
- **Transparent Data Access** - End user and application requests for access to migrated data are automatically and non-disruptively redirected to the repository
- **Enterprise Scalability** - Scans and manages up to 2 billion files spread across thousands of servers, adapting to variations in network, OS, protocols, and domain architectures
- **Multi-threaded Data Collectors** - High performance data collectors run independently with extraordinary speed and scale in complex heterogeneous enterprise environments
- **Extensible Reporting** - Aggregation and analysis of data across entire system to provide customizable views of point-in-time and trending information
- **Global Deployment** - Unicode compliant software ready for deployment in international locations



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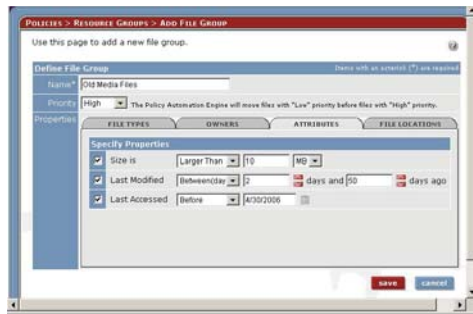
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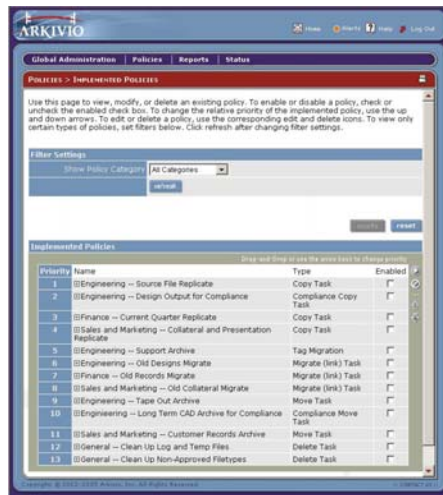
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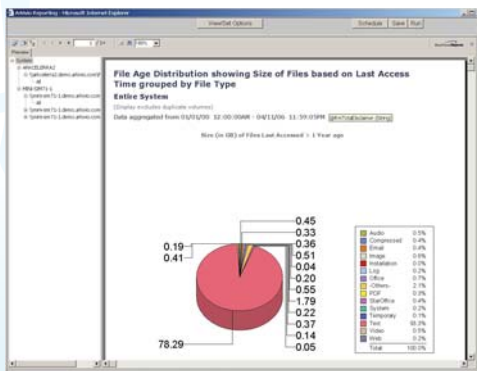
Information Lifecycle Management



Classification of files based on file type, ownership, attributes, and file location



Policy-based data movement actions include move, copy, retention, clean-up, and migration across heterogeneous environments



Graphical illustration of resource usage, data usage, and policy monitoring reports

Contextual Classification

Data Classification - organizes data resources that span multiple systems into logical groups using size, type, access and modify time, ownership, and path location attributes

Storage Classification - organizes storage resources across multiple file systems based on administrator-defined criteria

Data Intelligence - extracts intelligence found in the file system, directory services, and directory structure to select the appropriate sub-set of files for data management actions

Automated Data Management

Transparent Data Management - file movement, copy, retention, and clean-up actions across multiple systems for availability, retention, and disposition of data over its lifecycle

Policy Simulation - enables administrators to simulate data management policies before actual execution in order to better understand their scope and effectiveness

Data Mover - multi-threaded data mover migrates multiple files simultaneously, while retaining individual file security (ACL) information across network devices

Continuous Monitoring and Reporting

Agentless Discovery - remotely gathers critical information about file system metadata (size, path, ownership, access information, etc), storage capacity levels, and data usage trends without having to install agent software

Data Aggregator - efficient aggregation of millions of rows of metadata, providing administrators with customizable reports for ROI analysis and storage capacity planning

Extensible Reporting - in-depth, customizable reports on storage consumption, data usage, and historical trends based on administrator-defined resource groups

Threshold-based Alerts - provide timely warning to administrators in order to proactively resolve capacity management issues

Closed-loop Monitoring - monitor policy results to gauge the effectiveness of implemented policies and adjust them over time



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Information Lifecycle Management

Third-Party Integration

Fully integrated with EMC Centera, EMC Celerra, and NetApp Application Programming Interfaces (APIs)

Compatible with enterprise management software such as BMC Control-M scheduling solutions and HP OpenView through

Easy Deployment and Administration

Web-based console supports remote administration and management

Simple wizard-based interface for system setup, maintenance, monitoring, and policy administration

Enterprise Level Reliability

Scalable remote management architecture designed to gracefully handle disaster situations, allowing end-users to access their files without the immediate need for administrator action

Extensive monitoring and status displays complement log files providing sophisticated traces of all system activity.

Application Certification

Certified with major anti-virus software including McAfee, Norton CA, and TrendMicro

Certified with major backup software including VERITAS, Legap and CA to smoothly integrate with organization's existing backup processes

Professional Services and Support

World-class professional services for implementation, design, and review of deployed automation strategies as well as storage discovery, data usage analysis, auditing, and reporting

Industry-leading technical services with responsive online and phone support

Established call centers in US, EMEA, and APAC operated by well-trained, first-tier support personnel

Key Differentiators

- Agentless, rapid data collection
- Integrated discovery, classification, data movement in one product
- OS and storage device transparency
- Fully integrated with , EMC Centera, EMC Celerra, and NetApp APIs
- Intelligent placement, protection, retention, and deletion of data
- Comprehensive contextual classification

Supported Solutions

- NAS Devices
- HDS
- HDS-HCAP
- NetApp Storage Appliances
- MS Windows
- Red Hat Linux
- Sun Solaris
- HP-UX
- HP-IAP
- IBMAIX
- SGI IRIX
- Mac OS X
- EMC Celerra
- EMC Centera
- DataDomain
- Plasmon
- Powerfile

Application Host System Requirements

- ARKIVIO Central Server runs on Windows Server 2003 and Storage Server 2003



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FEATURE	FUNCTION	BENEFIT
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Tiered Storage Implementation

Automated Data Movement	Automated migration of less critical data from primary to secondary or archive storage	Reclaims expensive primary storage space and improves application performance
Policy-Based Data Management	Automated data management policies triggered by events defined by IT administrators	Eliminates need to write scripts and reduces management burden

Backup Optimization

Data Classification	Identifies eligible data for movement based on business value and established retention policies	Reduces amount of primary data to backup, lowering media cost and time needed for backup and ensuring faster primary storage recovery
Backup Software Integration	Ensures migrated files are not recalled during backup process	Utilizes existing backup software and processes

Storage Capacity Planning

Agentless Discovery	Enables non-intrusive data collection of storage resource consumption and data usage trends	Automates inventory of data and storage assets
Comprehensive Reporting	Customizable and schedulable reports on storage utilization, trending, data usage and policies	In-depth analysis of data and storage resource usage and policy operations
Threshold-Based Alerts	Provides timely warning when capacity thresholds are exceeded	Immediate resolution to ineffective capacity management policies

Retention and Archive Management

Link and Tag Migration	Migrates data by leaving behind a shortcut or stub file containing the path to the target file	Transparent user access and fast retrieval
Data Retention Period	Sets the amount of time files are to be retained in repository	Long-term retention and regulatory compliance enforcement
Single Instance Storage	Integrates with repository devices that support single instance storage such as EMC Centera	Removes duplicate files reducing the amount of storage required for end user data retention

About ARKIVIO

Arkivio, a division of Rocket Software Inc., providing leading Information Lifecycle Management (ILM) solutions for enterprise customers, offers software for data archiving and retention, regulatory compliance, storage consolidation, backup and recovery optimization, and capacity management across a tiered-storage infrastructure. The company's ARKIVIO® auto-stor software redefines storage management by enabling customers to profile the criticality of their data within its lifecycle in order to automate its discovery, classification and placement on the most appropriate storage resource across heterogeneous DAS/NAS/SAN environments without deploying agents - driving the cost per managed terabyte of storage to its lowest possible level, while providing significant ROI.

For more information on ARKIVIO® auto-stor and its customer solutions, contact Arkivio at: 2700 Garcia Avenue, Mountain View, CA 94043; Phone (650) 237-6100; Fax (650) 237-9183.