

Phoenix™

Data Protection, Archiving, & Security



The Business Challenge

Information is the lifeblood of every business and organization. In the current regulatory and legal climate, the loss of information carries consequences that are potentially disastrous.

There are several factors that make the job of protecting and managing data challenging. The availability of inexpensive, high capacity primary storage has resulted in file systems that are larger than ever before. Data growth rates increase exponentially year after year, and indiscriminate data elimination is dangerous.

Today, the requirements for protecting and managing information go far beyond the capabilities of backup programs. Furthermore, critical backup media is often misplaced, rotated and overwritten, or becomes unreadable over time. In all of these cases, the outcome is the same. Data thought to be protected is lost forever.

The Phoenix Difference

Phoenix delivers reliable, efficient protection of your information assets. Its flexible backup application tools enable the product to be custom tailored to meet any backup requirement with full automation.

Powerful, Flexible Data Management

Phoenix does not stop at data protection. It can also groom primary storage of aged and nonessential, data, thereby managing the requirements of expensive primary storage while keeping it operating at optimal efficiency.

Data storage and archive management is provided by the Phoenix Information Repository, an active, tiered storage environment in which policies manage data over time based on the data's value and vitality.

Policies in the Information Repository can be custom configured to ensure data is continuously monitored and stored on resources that meet the data's service level requirements and recovery time objectives.

Policies can also be deployed to ensure the proper management of data over its lifecycle, including its eventual disposition as required in order to comply with governing regulations.

Security

Data security is assured through the use of digital fingerprinting, which is assigned as Phoenix ingests data into the Information Repository. Digital fingerprinting makes it impossible for data to be accessed or modified without Phoenix capturing and journaling the event.

Security is further assured through the preservation and utilization of the permissions and other security attributes originally assigned to data upon its creation. This ensures that users are only able to view data they are authorized to access during search queries and retrieval operations.

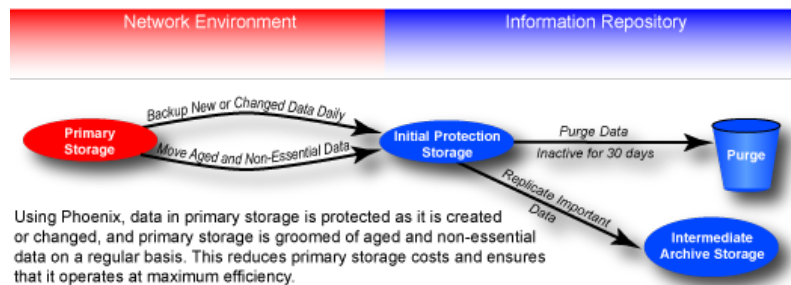
Easy, Efficient Data Retrieval

Phoenix enables users to locate and retrieve their own data using the Phoenix search and eDiscovery application. This unburdens IT management while empowering the user, who is ultimately more familiar with the information and thereby better able to determine what is required.

The Phoenix Search and eDiscovery application makes it easy to locate an individual file or discover collective sets of data related to a particular subject. Simple queries can be built around file attributes and contents. Complex queries can define ownership, subject, and source information as well as content keywords and phrases and file attribute information. A full suite of Boolean operators and wildcard options are available to refine the search further.

► BENEFITS

- Data assets are automatically and reliably protected when they are created and modified by being copied onto secure backup storage
- Primary storage operates at optimal efficiency and its volume requirements are reduced as it is regularly groomed of aged and nonessential data
- Regulatory governed data is managed automatically by policies that ensure its preservation as required
- Archived data is safely and securely preserved on storage resources that meet the data's changing service level and recovery time objectives
- Undesired data is eliminated from all storage environments on a regular basis through controlled, automated policies
- IT administration resources are spared as users are empowered to locate and retrieve their own data as required
- Email data is managed according to its special requirements
- Archived video data is easily located through the use of special metadata parameters and viewing consoles
- Storage resources are easily and centrally monitored and managed
- System configuration is simplified through automatic resource recognition and provided device drivers



Special Handling for Specialized Data

Phoenix supports Microsoft Exchange email. It can be operated at the Exchange server level or individual user mail boxes. Emails are routinely protected and archived by the system. Emails are easily located using the Phoenix Search and eDiscovery application.. Emails retrieved from the Information Repository are easily restored to any Exchange server.

Phoenix provides special handling for Digital video data. Special metadata, unique to video data, is extracted and cataloged. The special metadata parameters are used in search queries.

Also unique to Phoenix is the visual video data search results, which are represented by playable, low-resolution proxy file represented by a graphic thumbnail file. The visual reference makes it very easy to confirm that a required file is identified before it is retrieved.

Easy Implementation

The Phoenix building blocks plug right into your infrastructure. Everything is provided, from communication protocols to storage resource drivers. Deployment of a Phoenix solution is a task of minutes or hours instead of days or weeks.

The Right Solution

The driving philosophy behind Phoenix is to provide solutions to the underlying problems that make information technology tasks difficult to manage.

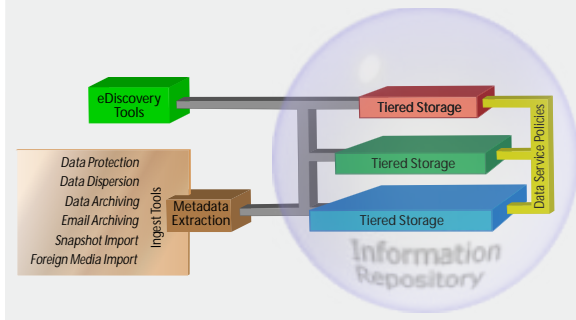
Phoenix combines powerful backup functionality with the ability to remove aged and unnecessary data from primary storage and manage it over its lifecycle. It empowers users to easily locate and retrieve their data and thus eases the burden normally placed on IT.

Phoenix is the right solution for protecting, archiving, and securing information assets.

▶ COMPATIBILITY

- **Operating Systems**
 - Microsoft Windows XP, Server 2003, Vista, and Server 2008
 - Apple Mac OS X
 - Linux
 - Please inquire for others
- **Hard-Disk Storage**
 - JBOD, RAID, NAS, SAN
- **Tape Storage**
 - LTO, SAIT, DLT, AIT, UXA, Exabyte, DDS, Libraries, Changers, Single Drives
- **Optical Storage**
 - Blu-ray, CD, DVD, MO

The Phoenix Information Repository



A Better Approach to Secondary Storage

The Information Repository is the heart of Phoenix and the answer to secondary storage requirements. Instead of managing separate storage solutions for backup data, reference data, regulatory data, archive data, and others, Phoenix presents a suite of mixed storage resources as a federated information repository deployed as a single tier of secondary storage. Data service policies manage all the archiving needs of data within the active, tiered storage environment.

Designed for OEMs and Integrators

Phoenix is designed to be rebranded, integrated with other product offerings, and sold as an OEM solution.

For Hardware Manufacturers - Phoenix can be offered as a bundled archiving solution with an upgrade path to the full solution including specialized modules. It operates with any standards adhering storage hardware. The executable modules have a light footprint that can be configured as a loadable module, which self-installs on command and requires a low amount of CPU and memory overhead.

For Software Development Firms - Phoenix can be operated as a stand-alone software offering, or it can be tightly integrated with other software through an API, which is provided. Phoenix can be licensed in its entirety or as individual components.

For Solution Integrators - Phoenix is a robust data management and archiving solution that provides cost and resource saving benefits for your customers. It scales easily and works well with off-the-shelf computing hardware of average performance. It is easily configured and provides a great deal of operational flexibility. Phoenix is designed to be offered as a pre-configured solution, a custom configured offering, or to be sold as a service.

About SoleraTec

SoleraTec is a leading developer of archive, storage, and digital asset management software for corporate customers. SoleraTec leverages a heritage of nearly a decade and a half to deliver a level of quality, sophistication, and technological advancement that has established it as one of the premier data protection solution providers in the industry. SoleraTec works through OEM relationships with hardware, software, and technology integrators to deliver complete data protection solutions. The company was established in 1997 by a team of industry veterans with experience deploying data protection, HSM, and storage management solutions to some of the largest companies around the world.



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