SGI® LiveArc™ AE

Intelligent Data Management Tools Built into SGI® InfiniteStorage™ Gateway active archive platform
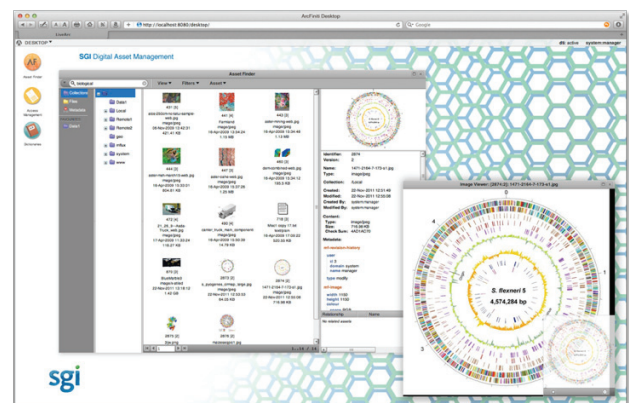
Intelligent tools that bring life to data

As data volumes grow to very large scales and into multiple silos, the pressure grows on IT administrators to find easier ways to manage it all while reducing complexity and cost. At the basic level, ensuring the data is accessible and protected is the minimum requirement for any IT shop. But wouldn't it be useful to do more than just house data? What if the data store included in it the ability to automatically index all files to enable rapid search, facilitate compliance, and provide tools to automate multi-site access and disaster recovery?

Introducing SGI LiveArc AE

SGI LiveArc AE is the "Appliance Edition" of SGI® LiveArc™, a powerful metadata management framework that SGI has deployed in some of the world's most demanding data management environments. LiveArc AE packages key LiveArc functions as modules in an embedded application layer in SGI InfiniteStorage Gateway, offering both users and admins direct control over the data with much richer capabilities than standard file system tools provide.

As files are moved to InfiniteStorage Gateway, LiveArc AE automatically indexes file metadata and content. This provides administrators with a global view of all data in the system via browser-based GUI.

For users, LiveArc AE provides the ability to locate archived data quickly using fast, free-text queries to find and preview files without needed to actually access the data by file attribute or content. Users interact wi while conventional file system access is always available, with LiveArc AE users and IT administrators now have an intelligent tool that can manage files with their metadata, dramatically increasing response time, and minimizing unnecessary data movement.

LiveArc AE provides a window into the data stores, and includes a powerful suite of tools to search, protect and manage data in the InfiniteStorage Gateway.

What is LiveArc AE?

A browser-based suite of modules to search, manage and protect data within SGI® DMF™ – managed storage fabrics.

Modular Functionality = Flexibility without high cost

A problem with most digital asset management solutions is that they are usually inflexible, expensive and highly complex to implement as a global tool set. Not only does this complexity increase the cost and difficulty of adopting such tools, but it also means IT admins are often told they must buy functionality they don't need as part of a bundle to get the specific features they want. In addition, such inflexibility translates into often prohibitively high costs to customize the system to match user workflow.

LiveArc AE eliminates these problems by taking a modular approach to data management tools. Rather than require you to buy features you don't need, with LiveArc AE you get only the modules that are important to you now. Incremental functions can be added at a later time or not at all.

Base Module: Standard Search

The base module of LiveArc AE is included by default in SGI InfiniteStorage Gateway. With it, the system will auto-matically index all data as it is ingested, making it immediately searchable by standard file system attributes.
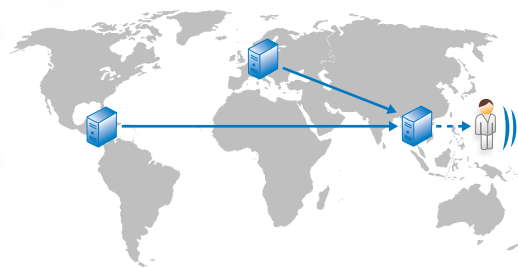
The Base Module includes system management utilities, such as being able to select which functions, and even which data different types of users have permissions for. For example, if a user tries to search for data that he is not not entitled to see, the query will return no result.

Replication/Federation Module: Extending the Storage Fabric

The Rep/Fed Module enables file-level replication and/or federation to remote ISG/DMF installations. This can be implemented based on policy or query, automatically or manual, and en masse or selectively.
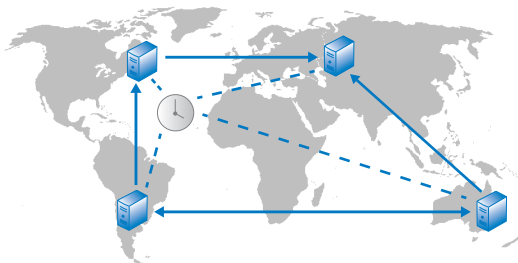
Data encryption, compression, and integrity checks are performed in transit, with file-level de-duplication to reduce bandwidth.

This module can be for disaster recovery purposes, or to streamline collaboration for people working across multiple locations.

Federation

- Searches may be federated across two or more LiveArc server locations

- A federated search is conducted across all servers in the Federation, and results consolidated

- Servers can participate in multiple Federations

Replication

- Data can be replicated between two or more LiveArc servers

- Replication can be uni- or bi-directional

- Replication can be asynchronous or synchronous

- Multiple replication policies per peer are supported

WORM Module: Extra Tools to Protect the Data

With the WORM Module, LiveArc AE delivers Write Once Read Many (WORM) functionality by enabling conditional access to perform file changes and deletion. Data retention periods can be assigned based upon policies by data type or location. User views and access can be limited based on login. Version history and audit trails can also be captured.

Global Sales and Support: sgi.com/global

sgi®