

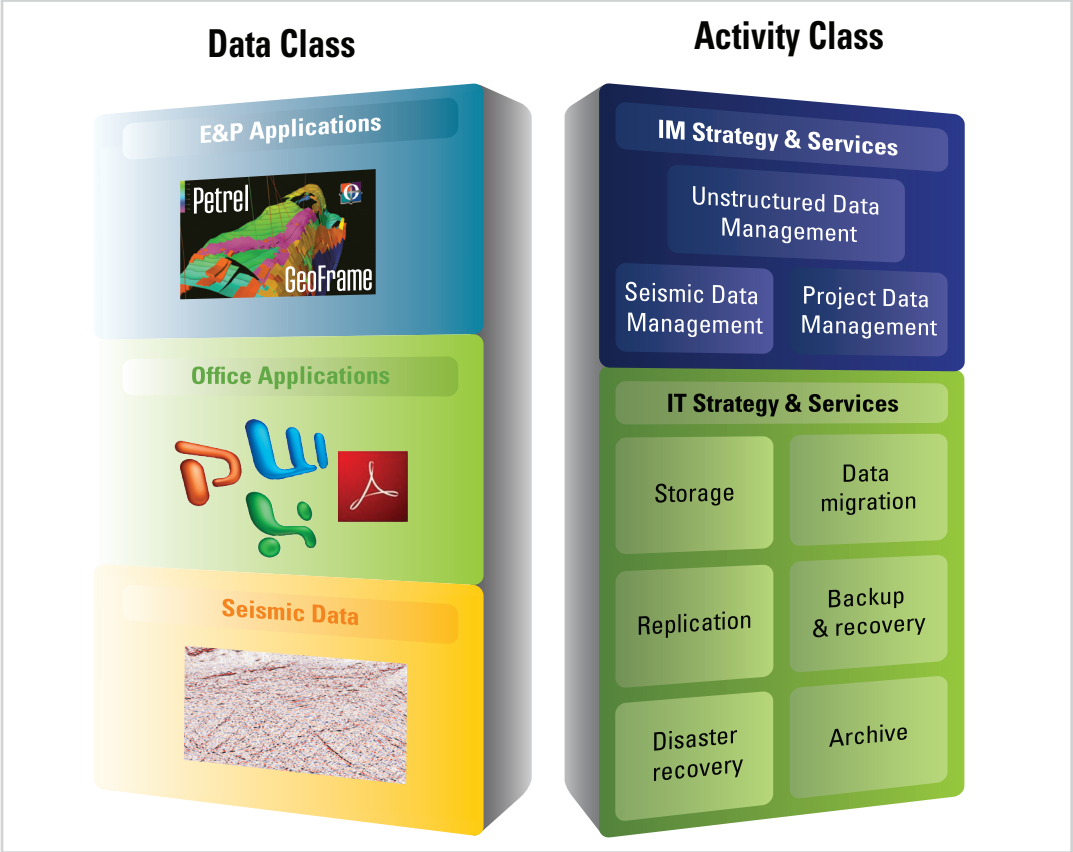
Data Storage Profiling Service

GAIN INSIGHT INTO how E&P project files are used and stored within your exploration data environment

In oil and gas exploration, petrotechnical workflow data continues to grow, making it increasingly difficult to protect and recover valuable information. Data managers need current and accurate answers to the following types of questions:

- What do I have on my file systems?
 - Location, number, and size of
 - projects
 - seismic volumes (raw and project formats)
 - unstructured data (documents and images)
- Which applications use what data?
 - When it was last accessed?
 - Are there multiple copies of this data?
- Are there performance bottlenecks?
- Which data should be
 - migrated
 - placed into tiered storage
 - archived
 - backed up
 - protected by disaster recovery systems
 - managed more efficiently?

Instead of simply buying more storage and trying to extend backup and recovery processes, data managers are considering strategies to manage information growth more efficiently, including better handling of rarely used or unused data and elimination of duplicate copies.



A nondisruptive, time-efficient, and cost-effective way to assess the current state and performance of the exploration data environment is an essential first step. Because there are unique qualities associated with E&P data, Schlumberger Information Solutions (SIS) and EMC® have partnered to develop the Data Storage Profiling Service solution. The Data Storage Profiling Service is project-aware; it can recognize Petrel*, GeoFrame*, OpenWorks®, and other types of project files to allow a better understanding of stored project data and provide insight into current utilization, growth trends, deduplication potential, and opportunities to significantly improve storage and information management infrastructures.

The service is also designed to understand the particular challenges associated with seismic data.

The assessment service includes discovery, analysis, and reporting of projects and seismic data usage and the amount of storage utilized. In addition, there may be specific recommendations for

- better data placement to improve access performance
- capacity needs for project conversions
- rationalizing data backups
- designing archiving architecture
- a tiered storage plan for improved data TCO
- scaling resources to support a real disaster recovery strategy.



ADVANTAGES

- Increased application performance
- Improved workflow and data access
- Enhanced backup and recovery performance
- Reduced administration costs
- Fact-based information for capital expenditure decisions
- Fact-based information to manage your data more efficiently

The Data Storage Profiling Service analysis will capture and provide detailed information, including

- storage utilization by project
- file system data growth rates with comparisons of periodic assessments
- last-accessed and last-modified times by project
- storage consumption by file extension
- duplicate files.

SCHLUMBERGER INFORMATION SOLUTIONS

Schlumberger Information Solutions (SIS) is an operating unit of Schlumberger that provides software, information management, IT, and related services. SIS collaborates closely with oil and gas companies to solve today's tough reservoir challenges with an open business approach and comprehensive solution deployment. Through our technologies and services, oil and gas companies empower their people to improve business performance by reducing exploration and development risk and optimizing operational efficiencies.

SIS INFRASTRUCTURE AND INFORMATION MANAGEMENT SOLUTIONS

Schlumberger Information Solutions offers a full range of infrastructure and information management solutions for the E&P domain.

From optimized and certified hardware and software bundles, through utility-based computing for peak load simulation requirements and fit-for-purpose storage solutions and services, to application delivery and collaboration solutions—SIS can provide the customized solution that meets your business needs.

EMC

EMC has been serving the oil and gas industry for over 25 years. Information is the most important asset of a business, and EMC provides the tools that can help you capitalize on your information. By bringing our systems, software, services, and solutions together, we can deliver a comprehensive information infrastructure for your business.

We help you design, build, and manage intelligent, flexible, and secure information infrastructures. These infrastructures are the versatile foundations upon which organizations can implement their information life-cycle strategies, secure their critical information assets, leverage their content for competitive advantage, automate their data center operations, reduce power and cooling costs, and much more.

With an information infrastructure, you can mitigate some of the inherent risk in your business and reduce the significant costs associated with managing information while fully exploiting its value for business advantage.

Contact your local SIS representative to learn more about our Data Storage Profiling Service. With our in-depth knowledge of E&P data structures and workflows and our storage and information management services expertise, we can assist you in the evaluation, delivery, installation, and integration of information management and storage solutions in your E&P infrastructure environment.

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