

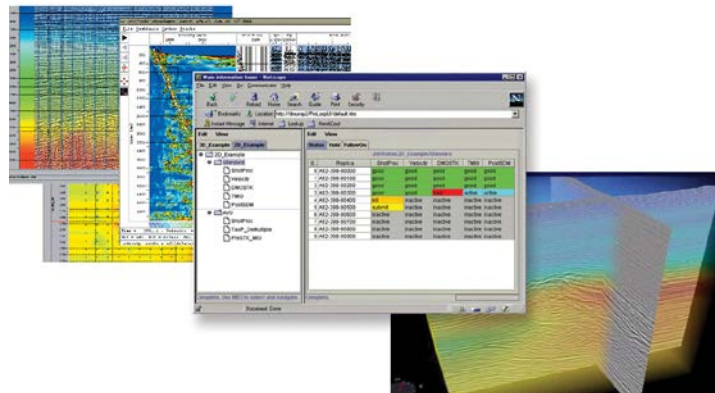
EMC ISILON AND LANDMARK PROMAX SUITE

ESSENTIALS

- High performance
- Easy deployment
- Simple management
- Cost-effective

With the EMC® Isilon® scale-out NAS storage platform, you can reduce seismic storage costs and complexity, while increasing global availability and management of high-performance storage. This system increases scalability and management, with ease of global deployment, in a single low-cost solution that will not sacrifice performance. Isilon and the Landmark ProMAX® Suite will allow you to accumulate and manage more data in a single file system. This increases productivity, while reducing analysis, project cycle times, and risk.

Ever-increasing seismic volumes created from upstream oil and gas exploration are placing an enormous burden on the ability of technology companies to deliver high-performance, low-cost storage systems that are easy to globally deploy and manage. More data provides higher resolution, but also can cause performance bottlenecks, management complexity, and skyrocketing capacity costs. Feeding enough data to the compute nodes is paramount in seismic clusters, like those powering the ProMAX Suite of applications. Yet they also need to be simple to acquire and manage, and should comply with company IT support standards. High-performance computing (HPC) applications, like seismic processing, can no longer be isolated, non-IT-compliant systems using off-brand storage placed on shelves in the data centers.



ProMAX interactive seismic data processing software combines ease of use, effective analysis tools, and flexibility, with excellent algorithms, infrastructure, and productivity tools. With ProMAX software, you can realize greater value from your investment in seismic data, and thus increase productivity, reduce project cycle times, and lower risk.

ProMAX software gives you interactive analysis for optimum parameter selection and problem-solving, plus data management, flow replication, and resource balancing for large 3D projects. By leveraging the latest advances in cluster technology, ProMAX software technology delivers the best of both worlds—performance and cost.

It starts with compute-intensive algorithms engineered to handle large data sets. Parallel processing enables users to reduce wall-clock time by applying more resources to a problem.

Landmark

HALLIBURTON

Drilling, Evaluation
and Digital Solutions

SOLUTION OVERVIEW

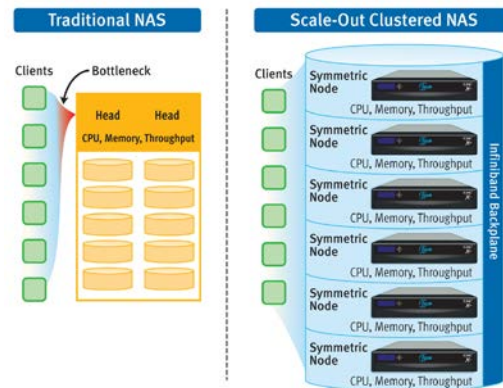
EMC²

To achieve the optimum use from these robust set of tools, and to obtain the highest levels of customer satisfaction from the application user, IT manager, and even procurement manager, a high-performing, easy-to-manage, and cost-effective storage system is essential. EMC Isilon scale-out storage is the answer.

The EMC Isilon Seismic Cluster NAS solution significantly decreases the cost of globally deploying and managing data with:

- IT-compliant storage capacity
- Configurability for the highest possible performance with over 100 GB of system throughput
- Ability to scale up to 20 PB in a single, easily managed, single-volume file system
- A simple “plug-in” that allows your projects to be up and running in 45 minutes globally with limited IT resources
- Resilient storage nodes with N+4 data protection
- A single, high-performance file system, whether you are at 18 TB or 20 PB

EMC Isilon Seismic Cluster NAS is built on the OneFS[®] operating system, which performs all data protection, volume management, and file system activities in one powerful layer. That means you don't have any RAID, LUNs, or multiple file systems to manage—you control all the seismic cluster NAS capacity in one file system using one interface.



CONTACT US

To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, [contact](#) your local representative or authorized reseller—or visit us at www.EMC.com/Isilon.

The Isilon Seismic Cluster NAS is based on a cluster of individual nodes. Each node combines capacity with processing, I/O, and storage networking for a simple modular infrastructure that scales easily. A node can be added to a running cluster in about 60 seconds with no interruptions, and can scale smoothly to 20 PB without controller or filer-head bottlenecks.

With these capabilities, the EMC Isilon Seismic Cluster NAS adds a layer of high-performing, scalable, cost-effective, and easy-to-manage capacity for your ProMAX seismic applications.

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