

Intelligent Scale-Out NAS for Oil & Gas Exploration

Upstream Oil & Gas exploration workflows such as geophysical processing, seismic interpretation, earth modeling and reservoir analysis continue to generate incredible amounts of data. Petabytes of information and enormous numbers of files are created to identify breakthroughs in Oil & Gas exploration. The growth and lack of visibility into data at scale is placing an enormous burden on traditional enterprise storage systems. Qumulo Core - data-aware scale-out NAS, is designed to provide visibility into your data footprint at incredible scale. Qumulo Core's flexible cost-effective deployment options are ideal for Oil & Gas companies looking to take advantage of low-cost, enterprise grade scale-out NAS technology.

Instant Answers about Your Data Footprint at Scale

Qumulo Core's integrated file system analytics allows Oil & Gas companies to gain immediate actionable answers about their data footprint at incredible scale. With metadata built directly into the Qumulo Scalable File System (QSFS) as an intrinsic element, storage administrators have visibility into their data and storage, usage patterns and which users or workloads are impacting performance and capacity.

Affordable Enterprise Grade Software-Only Solution

Qumulo's data-aware scale-out NAS is a software-only solution that gives Oil & Gas storage administrators the ability to scale storage infrastructure while avoiding hardware vendor lock-in. Without the barriers of proprietary hardware and software, businesses have control and flexibility of deploying Qumulo Core anywhere – whether with commodity hardware on-premise or as a virtual machine, dramatically reducing the total cost of ownership.

Maximize Price/Performance and Price/Capacity With Flash-First Hybrid Design

Qumulo Core's flash-first hybrid design uses flash memory in combination with hard disk drives to create a scale-out NAS solution that balances performance, capacity and cost. Qumulo Core is able to provide Oil & Gas companies with a solution that leverages the value of commodity hardware and is optimized for performance and capacity.

No Compromise Storage For The Widest Range of Workloads and File Sizes

Whether you are dealing with transactional or sequential access patterns and small or large file sizes, Qumulo Core supports them all within a single file system. Qumulo Core delivers industry-leading scalability—from 4 to over 1,000 nodes in a single cluster and 100 terabytes to over 208 petabytes in a single file system.

Qumulo Benefits for Oil & Gas

- Provide real-time visibility into data and storage solving data management problems created by first generation scale-out NAS
- Easily and non-disruptively scale a single file system to manage and curate enormous numbers of digital assets
- Drive productivity in the widest range of workflows from oil & gas environments to massive data archives.

Benefit from Our Experience

Our products were designed for commercial HPC workflows in the Oil & Gas industry. Contact us to discuss your specific requirements.

Contact Qumulo to learn more about our Oil & Gas solutions:

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Oil & Gas Architecture

