



**The World's Most  
Advanced Parallel  
Filesystem**

**Unified Filesystem Access**

**Easy to Manage**

**Performance Optimized**

## DDN Data Services

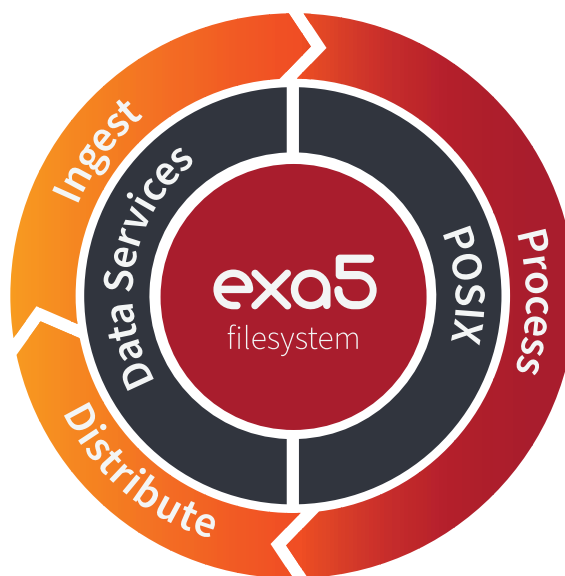
Data-intensive workflows like Artificial Intelligence (AI), Analytics and High-Performance Computing (HPC) require unified access to data stored on the high performance storage to maximize data value and opportunities for innovation.

DDN's EXAScaler provides high performance data access to most of the world's top AI systems and supercomputers, but many parts of data-intensive workflows require access to storage using protocols such as NFS, SMB and S3. EXAScaler Data Services support multi-protocol access to the same filesystem as the EXAScaler client. This means data acquisition via devices and sensors, classification and organization of data using standard workstations, and campus wide data sharing is possible from a unified data system.

### Unified Access: Easy To Ingest and Outgest Data On EXAScaler Filesystem

EXAScaler Data Services complement the EXAScaler family of products by providing seamless, highly available, and performance optimized access to data stored on the EXAScaler filesystem using standard file access protocols.

These access protocols provide everything needed for specific workflows that require ingesting data from embedded appliances where installation of native EXAScaler client is not possible or not required. Systems or sensors may have operating system, network connectivity limitations, or low performance requirements may make standard protocols more suitable for data ingest. Additionally, these protocols allow access to a wider set of users within an organization for non-performance specific workloads. Tagging and other data manipulation, campus wide data sharing, and web-like application access can now seamlessly be granted to data stored within the EXAScaler environment, creating a true unified platform for AI, deep learning and analytics data.



## The Universal Data Platform, a Key Part of AI Infrastructure

A universal repository for organization-wide AI, analytics and other high performance computing data is essential to eliminating boundless technology experimentation in separate business units. By automating processes and standardizing technology, companies can supply a well-conceived infrastructure that enables the abilities of data scientists and other key users to try out new tools without the risk of creating unlinked or incompatible silos.

Centralized data management plays a key role in delivery models in distributed environments, allowing the organization to manage data in a distributed manner while still being able to combine it to maximize exploitation opportunities. Data sciences teams that are empowered to look at a wide range of cross-organizational data belong to companies that are most likely to create market leading breakthroughs. DDN's EXAScaler is designed specifically to enable at scale innovation and enable all parts of the AI workflow.

### Data Services Key Capabilities

**Fully Containerized:** EXAScaler Data Services components are packaged as a Docker based containers for easy deployment, upgrade and resources management capabilities – ready for cloud-based deployment

**Rich protocol support:** Support most common standard file access protocols such as NFS3/4, SMB2/3 and S3 object-based protocol

**Single Name Space:** Whether accessing using native EXAScaler client, NFS, SMB or Object – the same namespace is available to clients

**Centralized Management:** Manage Data Services Cluster from a central location using either REST based API and/or CLI commands

**EXAScaler integrated:** Utilize all other EXAScaler features and capabilities (performance, Stratagem data management, quotas, Snapshots etc.)

**DDN support:** EXAScaler Data Services are fully supported by DDN support organization as a single solution

## About DDN

DataDirect Networks (DDN) is the world's leading big data storage supplier to data-intensive, global organizations. DDN has designed, developed, deployed, and optimized systems, software, and solutions that enable enterprises, service providers, research facilities, and government agencies to generate more value and to accelerate time to insight from their data and information, on premise and in the cloud.

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