


FEDERAL

Pillars of Success

ARTIFICIAL INTELLIGENCE



HIGH PERFORMANCE COMPUTING



STORAGE MANAGEMENT AT SCALE



Why DDN Federal is Uniquely Qualified to Deliver Federal Solutions

- DataDirect Networks (DDN) is the world's leading big data storage supplier, powering data-intensive workflows by simplifying the complex and bringing intelligence to challenging processes.

Over the last two decades, DDN has developed a strong reputation and a significant global footprint in the areas of artificial intelligence (AI), big data, multicloud, and high-performance computing. Our technology and deep technical expertise allow our customers to capture, analyze, and distribute data at the largest scale in the most efficient, reliable, and cost-effective manner.

We have provided solutions to federal programs in the U.S. and allied countries, supporting some of the most demanding intelligence and health-care applications. Our innovative solutions uniquely meet the needs of our federal clients to provide them with the storage and data management solutions they need to thrive.

Our storage solutions power over two-thirds of the world's fastest supercomputers and are widely deployed in top commercial high performance computing (HPC) sites across cloud, analytics, manufacturing, energy, genomics, pharmaceutical, financial services, and more.

DDN PARTNERS WITH THE WORLD'S LEADING FEDERAL SYSTEM INTEGRATORS TO ACCELERATE THEIR DIGITAL TRANSFORMATION

SIMPLE SCALE

DDN provides a scalable storage system that handles hundreds to thousands of sensors streaming data in an active theater. Our solutions ensure the secure storage and accelerated processing of sophisticated data sets to deliver breakthrough insights.

REAL TIME

The challenges facing federal organizations are complex and dynamic. DDN solutions enable real-time decisions with unmatched performance, resulting in more agile organizations that react to changing needs and compressed timelines.

HIGH PERFORMANCE

DDN systems mirror the raw data in real time over low latency, high-speed InfiniBand networks and handle large files and high bit-rate streaming.

LOWER TOTAL COST OF OWNERSHIP

DDN systems provide world-leading density and energy efficiency that substantially reduce power, cooling, and footprint requirements which maximize TCO. In addition, DDN's parallel storage performance maximizes the value of the entire infrastructure to ensure maximum utilization of compute and networking resources.

PROVEN EXPERIENCE

DDN clients include many of the world's leading financial services firms and banks, health care and life science organizations, manufacturing and energy companies, government and research facilities, and web and cloud service providers.

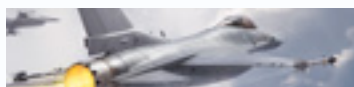
Pillars of Success

NAVY



The Navy DoD Supercomputing Resource Center is supported by more than 26 PB of DDN storage, including over 4 PB of high-speed NVMe-based solid-state storage to deliver 8.5 petaFLOPs of peak performance.

AIR FORCE



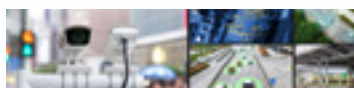
The Air Force DoD Supercomputing Resource Center is supported by more than 20 PB of DDN storage, including over one PB of high-speed NVMe-based solid-state storage to deliver 9 petaFLOPs of peak performance.

GOVERNMENT AGENCY



A government agency specializing in infectious disease informatics leverages DDN storage to share pathogen information across a secure, private national network and archive it for tracking and reanalysis.

SURVEILLANCE



Large surveillance programs capture, process, and review full-motion video in a DDN Storage Fusion Architecture (SFA) repository. The Lawful Intercept program relies on DDN for ingest, analytics, and active archive to achieve its multiyear mission.

ARTIFICIAL INTELLIGENCE (AI) – FASTER AND MORE ACCURATE INSIGHTS FROM THE NEWEST DATA FRONTIER

AI and deep learning are opening the door to new possibilities for how organizations use their data to improve public outcomes and improve military readiness. They create the most demanding workloads in modern computing history by providing design challenges to the compute, storage, and networking infrastructure.

To address these demanding storage workloads, DDN has developed solutions that far exceed the capabilities of current IT systems and remove data management risks with efficiency and speed, regardless the size of the challenge.

Simple linear scaling allows our customers to tame their data growth, eliminate siloed operations, and gain a dramatic reduction in management.

Intelligent monitoring provides comprehensive insight, and a native security framework makes it easy to share data. Extensive controls prevent unauthorized data access or modification from malicious actors.

DDN INVESTS 15% BACK INTO R&D TO DRIVE OUR UNIQUE INNOVATION

TRANSFORMING GOVERNMENT AND PUBLIC SERVICES THROUGH INNOVATIVE APPROACHES TO DATA MANAGEMENT

Achieving a mission requires actionable insights. Data science and AI are poised to radically transform how those insights are reached. These applications require simple, scalable data systems that deliver uncompromising availability, security, and reliability at a massive scale.

To deliver on their missions, these workflows need to:

- Ingest massive amounts of data reliably.
- Reach better decisions faster by analyzing more data in less time.
- Share data with multiple agency team members for collaboration and dissemination.

STORAGE DATA MANAGEMENT AT SCALE: UNLOCK THE POWER OF INTELLIGENT DATA

DDN has developed the industry's fastest and most scalable storage and data management solutions to deliver end-to-end data access and management on a single platform.

Intelligence Programs require real-time ingest and analysis of massive amounts of multiformat data from multiple sources. DDN's unmatched performance, density, and availability deliver fast, efficient, and reliable multisensor data for ISR programs.

Data-Sharing Platforms need to handle a wide variety of data sizes, speeds, and access methods. DDN's solutions facilitate the sharing of centralized data, with robust data governance, high-speed access, and secure multitenant architectures.

Broad-Scale Health-Care Programs incorporate high-performance, big data components like sequencing that requires intensive ingest and analysis. DDN developed a best-of-breed single platform for life sciences workflows to deliver the health-care industry the shortest time to discovery and results.

DDN SUCCESSES

Delivered data management and high throughput for the identification of the genetic sequence for COVID-19.

Supplied high-performance data to AI models calculating the height of solar flares.

Provided the data platform for the neural network that helped NASA discover a unique six-star solar system, TIC 168789840.