IntelliFlash

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IntelliFlash

BOOST INNOVATION AND TACKLE YOUR MODERN BUSINESS DATA CHALLENGES

IntelliFlash

> The ability to provide NAS and SAN, virtualized and non-virtualized workloads, and different storage media – concurrently in a single system – that can scale to multi-petabytes is a major selling point for enterprises looking to consolidate workloads and multiple storage media types.
>
> Our customers greatly appreciate the ease of use, excellent system analytics and health management capabilities that enable IT generalists to run IntelliFlash systems.
>
> The all-in-one licensing approach is really the icing on the cake.
>
> **~ Dustin Miller**
> **President | CommLink IT**

▶ ENTERPRISES CHOOSE INTELLIFLASH BECAUSE IT IS THE INDUSTRY'S MOST VERSATILE INTELLIGENT INFRASTRUCTURE SOLUTION PORTFOLIO

Businesses can run all their applications with maximum reliability and scalable performance on a single unified storage system with concurrent multimedia and multi-protocol support.

Organizations gain a differentiated combination of performance, intelligent insights, and time-saving management features to efficiently drive their most valuable enterprise workloads.

AI-driven analytics and autonomous workload optimization simplify operations for effortless IT productivity and an exceptional user experience.

▶ AVOID RISK WITH INDUSTRY-LEADING RELIABILITY AND SECURITY

Enterprise IT is under constant pressure to deliver continuous application services. And it can't take chances when it comes to supporting critical workloads. With IntelliFlash, your IT department can confidently deploy a system with no single point of failure on the industry's most mature platform for NVMe, all-flash and hybrid storage. IntelliFlash provides advanced analytics and deep visibility to help IT rapidly resolve bottlenecks and proactively avoid failures.

What about unexpected infrastructure or site outages? Interoperability across high-performance all-flash and economical hybrid systems protects all your enterprise data with a cost-effective DR solution.

Data centers today are also dealing with a growing number of operational risks and security threats, including ransomware, which can disrupt continuous access to business application data.

IntelliFlash helps you mitigate the impact of malicious attacks and encryption viruses by restoring all data with ultra-low RTO. You can also take advantage of tamper-proof immutable snapshots by integrating with leading data protection solutions – on premises or in the cloud.

▶ CONSOLIDATE AND SCALE WITH PREDICTABLE PERFORMANCE

Enterprise data management is complex. Data continues to grow rapidly for nearly every business – along with the types of data and protocols being used.

Today's unified storage solutions can help simplify heterogeneous data management, but they struggle to support large scale growth without sacrificing performance. IntelliFlash simplifies data and workload consolidation, so data centers can avoid the need for multiple systems and the cost and complexity of disparate storage silos.

Organizations gain the architectural freedom and flexibility to meet business and technical goals. With concurrent support for NAS and SAN protocols, mixed storage media types, and combined flash and hybrid pools you can support a range of workloads with a single system.

Autonomous optimization eliminates IO contention and patented intelligent caching accelerates data access on DRAM and flash, so you can maintain consistent performance for all your workloads, even at multi-petabyte scale.

You can also perform a range of inline data protection and data reduction activities, including encryption, snapshots, cloning, deduplication and compression – all with zero performance impact.

▶ **DRIVE EFFICIENCIES WITH INTELLIGENT INFRASTRUCTURE**

Many IT organizations are experiencing a skills gap caused by a rapid expansion of data center assets and the limited availability of experts to manage these growing resources.

IntelliFlash systems closes the skills gap, offering operational simplicity that enables IT generalists to manage enterprise storage with zero training, so your expert staff members can focus their efforts on strategic activities.

Built-in multi-point intelligence keeps your production workloads unaffected and reduces the amount of time spent on support issues. IT leaders can accelerate decision-making with a dashboard view of all systems, including deep, granular visibility into performance characteristics and bottlenecks at the application, VM and container level.

Secure, cloud-based predictive analytics help improve resource planning for capacity and performance requirements so you can avoid unnecessary costs due to overprovisioning.

▶ **WHY CHOOSE INTELLIFLASH?**

Because IntelliFlash is a uniquely positioned unified storage solution for file and block data, that's optimized for virtualized and native environments.

Whether your applications need the exceptional performance of NVMe-flash, the sustained performance and high density of SAS-flash or an optimal balance of performance and capacity offered by a hybrid system, the IntelliFlash portfolio can cost-effectively satisfy all these requirements.

To further reduce operational complexity and expense all IntelliFlash systems share the same operating environment, feature set, and management experience – and a single all-inclusive license that covers all current and future product functionality.

> IntelliFlash blew us away with its speed and economics. We looked at a few others, but they didn't even come close.
>
> And we already had a very positive experience with the hybrid [systems], so it was a no- brainer.
>
> **~ Rob Sheppard
> Data Center Manager
> United Center**

INTELLIFLASH WORKLOADS

BUSINESS CRITICAL APPLICATIONS

Databases

ORACLE
MySQL
Microsoft SQL Server

Virtualization

vmware
CITRIX
Windows Server Hyper-V

Containers

kubernetes

FILE SERVICES

HOME DIRECTORIES

VIDEO SURVEILLANCE

LIFE SCIENCES

MEDICAL IMAGING

AI DATA STORAGE

ANALYTICS FOR FINANCE

DATA PROTECTION

VEEAM
wasabi
COMMVAULT
dataflow

Integrated Backup and DR Workflows
aws

IntelliFlash Storage Systems

> Our database queries run incredibly fast. Having extremely low latency is so important to the visitor experience, and everything runs smoothly. With latency in sub-millisecond range, patrons are able to seamlessly enjoy a world-class art experience without interruption.
>
> **~ Tom Hood**
> **Director of Technology Operations**
> **Cleveland Museum of Art**

N-SERIES

All NVMe performance to power the most demanding enterprise workloads

IntelliFlash N-Series, built on the industry's most mature NVMe platform, offers outstanding performance, operational simplicity and unmatched innovation in NVMe flash management.

Enterprises that need NVMe performance to accelerate their most demanding workloads can now experience the lowest latencies and fastest data access for improved insights, decision-making and business results.

H-SERIES

NVMe-accelerated hybrid solution for enterprise workloads that require optimized performance and capacity

IntelliFlash H-Series hybrid flash systems combine the performance of NVMe with the economics of HDD for exceptional value.

Enterprises can cost-effectively consolidate workloads with concurrent multiprotocol support for virtualized and native SAN and NAS workloads.

You can drive large-scale enterprise AI, analytics and HPC workloads and multipetabyte file services without performance degradation.

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.