

Why Businesses Choose Unity XT Hybrid Flash Arrays



1. Maximize price-performance for general-purpose workloads.

Unity XT HFAs are the ideal storage platform for running general-purpose file and block workloads that don't require the sub-millisecond latencies and speeds of all-flash/NVMe architectures. These arrays consistently deliver the performance of flash with the economics of spinning disks, optimizing price/performance through automated performance scaling (FAST Cache), inline data reduction technologies for hybrid and all-flash pools, workload efficiency tools, and built-in software-driven innovation.

Business outcome: Unity XT HFAs consistently balance the performance of flash with the economics of spinning disks for general-purpose workloads and storage consolidation.

2. Experience unwavering availability.

Unity XT HFA's high availability features are at the core of its design principles as it combines redundant components and proactive maintenance practices that include sophisticated RAID technology, an active-active dual controller architecture, non-disruptive/data-in-place controller upgrades, multipathing and load balancing ensuring uninterrupted access to data. This contrasts with some vendors that only provide active-passive controllers that bring switchover delays to the passive controller.

Business outcome: Highly available active-active dual controllers provide instantaneous switchover between controllers, ensuring no impact to running workloads or reliable data access.

3. Affordably handle data growth with seamless scalability.

Unity XT HFAs deliver several scalability benefits, including raw capacity expansion up to 16PB, up to 32PBe with 2:1 DRR in hybrid pools, and up to 48PBe with 3:1 DRR in all-flash pools. Additionally, Unity XT supports an intelligent dynamic pool structure that enables IT to incrementally add single or multiple drives to a storage pool and perform online (in-family) controller upgrades.

Business outcome: Non-disruptive, granular, and low-cost capacity and performance scaling preserves operational performance and efficiency, optimizes costs, avoids large CapEx spending, improves capacity utilization, and future-proofs your investment.

4. Flexibly streamline your data protection.

Data protection features are integral to Unity XT HFA design principles, with innovative and unified (file and block) capabilities including flexible RAID options, snapshots, replication, integrated copy data management (iCDM), and interoperability with Dell Data Protection systems and other external protection appliances (Metro Node).

Business outcome: Unity XT HFAs reduce the financial burden of protection and disaster recovery by including a complete suite of unified data protection software that safeguards critical data, minimizes downtime, and accelerates recovery processes.

5. Fortify important data with uncompromising security.

Unity XT HFA software consistently deliver reliable security features that protect sensitive data, ensure compliance, maintain business continuity, safeguard intellectual property, and reinforce trust and reputation.

Business outcome: Organizations can mitigate risk, protect valuable data, and instill stakeholder confidence with features such as access controls, data-at-rest encryption, secure protocols, file-level retention, and more.

6. Expand your business across cloud boundaries.

Unity XT HFAs are built for multicloud interoperability through build-it-yourself validated designs using VMware Cloud Foundation (VCF) and Dell Cloud Tiering Appliance—a full-featured software-defined virtual storage appliance.

Business outcome: Organizations looking for a low-cost solution to fit a specific business model and extend operations to the cloud can leverage Unity XT HFAs' built-in capabilities, such as automated and policy-based features, to connect to multiple S3 public and private clouds—freeing up capacity, reducing backup windows, and lowering CapEx/OpEx.

7. Empower DevOps with supported integrations.

Unity XT HFAs support various APIs that provide automation capabilities, agile provisioning, integration with DevOps tools and workflows, and self-service options—making them ready out-of-the-box for DevOps activities. They also integrate with container platforms and orchestrators such as Docker, Kubernetes, Red Hat OpenShift, and Ansible, making them a highly affordable and versatile DevOps solution.

Business outcome: Organizations can streamline storage management, accelerate application development cycles, and enhance collaboration between development and operations teams, ultimately improving the delivery of reliable and scalable applications.

8. Unleash Dell AIOps for Unity XT HFA operations.

Dell AIOps SaaS application applies AI/ML and other intelligence to monitor Unity XT HFA file and block telemetry, analyze system health, track and predict performance and capacity, identify anomalies, provide cybersecurity insights, and proactively recommend actions to resolve issues.

Business outcome: Customer surveys reveal that Dell AIOps intelligent insights can speed issue resolution by up to 10X and save IT administrators one workday per week on average.

9. Empower your business Dell's Future Proof Program.

Dell's Future-Proof Program is designed to enhance investment value across Dell's storage, data protection, HCI, networking, and server solutions. It includes a range of offers, assurances, and guarantees—such as a Three-Year Satisfaction Guarantee, all-inclusive software, Never-Worry Data Migrations, flexible payment options, and more.

Business outcome: The Future-Proof Program allows you to focus on your core business priorities and desired outcomes instead of day-to-day operational details.

10. A connected ecosystem of supporting solutions.

Dell offers several supporting technologies for Unity XT HFAs, including multipathing, storage resource management, metro node appliances for business continuity, copy data management software, Dell Data Protection systems, and more.

Business outcome: Dell's technology ecosystem interoperates with Unity XT HFAs and other Dell primary storage platforms, providing a comprehensive IT infrastructure—fully supported and serviced by Dell.



[Learn more](#) about Dell Unity XT solutions



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