

DELL EMC UNITY XT HYBRID STORAGE

No compromise midrange storage for a multi-cloud world

ESSENTIALS

Differentiation

- **Modern:** 2U NVMe-ready design future proofs the investment; scalable to 1500 drives
- **Powerful:** Dual-socket Intel™ CPUs, more cores and memory drive more performance with less latency than previous generations.
- **Efficiency:** Higher system efficiency and DRR deliver more effective usable capacity lowering TCO
- **Simple:** Installs in 15 minutes, configure in 10 minutes with intuitive easy-to-use web-based (HTML5) management
- **Flexible:** Deploy as physical, software defined or converged infrastructure systems - all sharing one OS

Benefits to you

- **Performance:** New processors drive more Read, Write and Mixed workload performance accelerating virtualized workloads with less latency.
- **Efficiency:** Dell EMC Unity XT hybrid arrays are 85% efficient delivering more effective usable capacity and higher data reduction rates in all flash storage pools.
- **Consolidation:** Consolidate all your mixed workloads (file, block, VVOL data) on a single array and storage pool.

DevOps agility and automation

- Unity XT provides simplified integrations with VMWare vRealize Orchestrator & Kubernetes workloads

Designed for performance and optimized for efficiency

Engineered from the ground-up to meet market demands hybrid storage performance, efficiency and lifecycle simplicity, Dell EMC Unity XT Hybrid Flash Arrays are NVMe-ready, implement a dual active architecture, contain dual socket Intel processors with up to 16-cores and more system memory. All these modern features enable Dell EMC Unity XT to deliver more performance and less latency compared to previous generations.

Dell EMC Unity XT Hybrid Arrays also include significant efficiency gains. These arrays reduce system overhead to provide 85% platform efficiency. When you turn on the inline data reduction features to combine with the platform efficiency, you'll get up to 31% more effective capacity than many other midrange systems. Dell EMC Unity XT also includes an efficient self-service migration utility right from the GUI to seamlessly migrate file and block data from legacy Dell EMC products and select competitive systems.

Whether you are looking to start small or scale to hundreds of terabytes of usable capacity, these modern Hybrid Flash systems have you covered.

Hybrid design

Dell EMC Unity XT Hybrid Storage Arrays start in a sleek 2U form factor with a modern architecture designed to take full advantage of flash technology deployed in a hybrid or all-flash storage pool for the best performance with the economics of disk. The design includes linear multicore scaling, inline data reduction with zero detect for block and file with all-flash pools, zero impact drive firmware-based garbage collection, write coalescing minimizing IO, and intelligent wear leveling capabilities, and NAND TLC drives. The Dell EMC Unity XT Hybrid systems also come with FAST Cache for improving performance IO and FAST VP for auto-tiering efficiency. A high-density enclosure supports eighty flash drives in just three rack units, for even greater space efficiency.

Built for multi-cloud

Customers now demand their storage infrastructure be cloud-ready. Dell EMC Unity XT was designed for a multi-cloud world, so you can easily leverage the new Dell EMC Unity XT platforms when deploying any of these cloud options:

Cloud Data Services

- Dell EMC Cloud Storage Services – Connect Dell EMC Unity XT, consumed as a service, directly to the public cloud(s) of your choice through a high-speed, low latency connection. This enables users to gain the economic benefits of cloud as well as the high-availability and durability of persistent Dell EMC Unity XT storage while maintaining complete control of data. Plus, VMware customers can deploy an automated DRaaS solution with Dell EMC Unity XT in VMware Cloud on AWS for seamless, enterprise-grade, pay-as-you-go DR in the cloud. Cloud Storage Services additionally offers agile, multi-cloud support allowing users to leverage multiple clouds and easily and quickly switch clouds for use cases such as workload migration, analytics, test/dev and more to maximize business outcomes.
- Dell EMC Cloud Edition – a full featured Dell EMC Unity XT software-defined storage solution deployed with VMware Cloud on the AWS cloud. for running a VDI environment in VMware Cloud, Test/Dev, or replication services to a third site.

Cloud Connected Systems

- Dell EMC Cloud Tiering Appliance – an automated policy-based solution to perform file tiering and block archiving to a multi-cloud environment freeing up capacity and reducing backup windows.

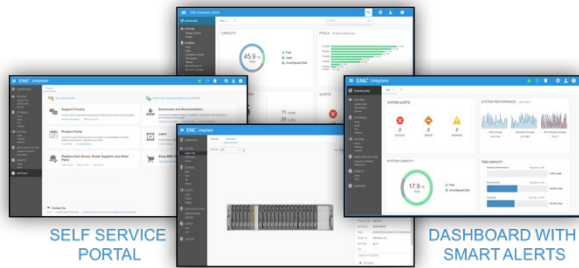
Dell Technologies Cloud Validated Designs

- VMware Cloud Foundation – the first external storage platform to be validated for use with VMware Cloud Foundation (VCF), Dell EMC Unity XT enables you to easily provision storage for VCF with Dell EMC Unity XT NFS using best of breed components.





CENTRALIZED MANAGEMENT WITH UNISPHERE CENTRAL



SELF SERVICE PORTAL

SYSTEM VIEW AND PROACTIVE ASSIST

DASHBOARD WITH SMART ALERTS

Dell EMC UNITY HYBRID ALL-INCLUSIVE SOFTWARE		BASE SOFTWARE	ADDITIONAL OPTIONAL OFFERINGS	
Management Features	Unisphere/Central, CloudIQ, CTA, Inline Data Reduction, QoS, Multi-Tenancy, ESA Adapter, FLR, FAST Cache, FAST VP	✓	Software Defined	Hybrid Unity/SA Unity/SA Cloud Edition
Unified Protocols	File, Block, VVOLs	✓	Availability & Mobility	VPLEX RecoverPoint PowerPath
Local Protection	Encryption, Anti-Virus, 2-Way NDMP, AppSync Basic, Snapshots/Thin Clones (ICDM)	✓	Protection Options	Data Domain NetWorker Data Protection Suite (DPS) AppSync
Remote Protection	File & Block Sync/Async Replication, MetroSync Manager, RecoverPoint Basic & for VM's	✓	Networking	Connectrix
Ecosystem Integration	VMware, Microsoft, OpenStack, REST API	✓		

Cloud Data Insights

- CloudIQ – Delivers Infrastructure Insight right into the palm of your hand. This free, cloud-based application lets you easily monitor, analyze, and troubleshoot your storage environment from anywhere.

All-inclusive software and more

All-inclusive, feature rich, array-based software comes standard with every Dell EMC Unity XT Hybrid Storage model. Optional offerings include differentiated hardware and software deployment options, availability and mobility, protection and networking options. Dell EMC Unity Hybrid Flash systems include FAST Cache and FAST VP for performance and efficiency gains as well as limited warranty, with enhanced and premium options available.

Operational agility and automation with modern DevOps platforms

Containers are fast becoming the new software architecture paradigm and Kubernetes has emerged as a popular Container Orchestration platform choice. Dell EMC is at the forefront of developing solutions that enable customers to efficiently run containerized workloads while leveraging powerful storage integrations for DevOps workflows. Dell EMC Unity XT now supports the Container Storage Interface (CSI) plugin to run Kubernetes workloads.

Automation is a major theme in IT Procurement discussions. The good thing is Automation no longer means programming-intensive and hard-to-maintain scripting. Tools like VMware vRealize Orchestrator (vRO) provides a drag and drop environment to quickly automate infrastructure operations and service delivery tasks. Unity XT supports vRO plugin enabling customers to automate end to end workflows spanning the entire infrastructure stack.

Choice and flexibility for deploying and supporting systems

We continue to expand our Services with a focus on making it easier than ever to purchase, consume, adopt and optimize technology from a single source. Whether purchasing a single system or planning a transformational expansion across the data center, we're architecting the most adaptive, intelligent service experience — all with less customer effort and an accelerated path to productivity including:

- ProDeploy and ProDeploy Plus – Get more out of technology starting day one
- ProSupport and ProSupport Plus – Comprehensive support for complex environments
- Optimize for Storage – In-depth analysis and strategic guidance to keep systems optimized and configured for peak performance
- Data Migration Services – Move data faster, more securely and with minimal disruption

FUTURE-PROOF LOYALTY PROGRAM



Learn more about Dell EMC Unity XT solutions



Contact a Dell EMC Expert