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DELL EMC UNITY XT ALL-FLASH 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, dual active controllers, more cores and memory drive 2X more performance with less latency
- **Efficiency:** Higher system efficiency with up to 5:1 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:** Experience 2X more performance across Reads, Writes and Mixed R/W workloads with up to 75% lower latency
- **Consolidation:** Consolidate all your mixed workloads (file, block, VMware VVOLs) onto a single storage solution
- **Density:** Reduce opex (floor space) with higher density up to 790TBe per RackU

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 for all-flash performance, efficiency and lifecycle simplicity, Dell EMC Unity XT All-Flash Storage 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 2X performance and 75% less latency compared to previous generations.

Dell EMC Unity XT also provide significant efficiency gains. These arrays reduce system overhead to provide 85% platform efficiency. When you turn on the inline data reduction features – up to 5:1 DRR – 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 All-Flash systems have you covered.

Flash design

Dell EMC Unity XT All Flash Storage starts in a sleek 2U form factor with a modern architecture designed for all-flash performance. The design includes linear multicore scaling, inline data reduction with zero detect for block and file, zero impact drive firmware-based garbage collection, write coalescing minimizing IO, and intelligent wear leveling capabilities, high density SSD's including 15.3TB 3D NAND TLC drives. 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 HA Dell EMC Unity XT software-defined storage solution deployed with VMware Cloud on the AWS cloud. Ideal for running a VDI environment in VMware Cloud, Test/Dev, or replication services to a third site.
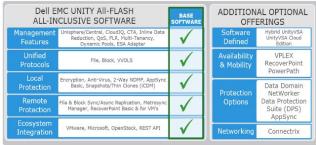
Cloud Connected Systems

- 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 All-FLASH ALL-INCLUSIVE SOFTWARE		BASE SOFTWARE
Management Features	Unisphere/Central, CloudIQ, CTA, Inline Data Reduction, QoS, FLR, Multi-Tenancy, Dynamic Pools, ESA Adapter	✓
Unified Protocols	File, Block, VVOLS	✓
Local Protection	Encryption, Anti-Virus, 2-Way NDMP, AppSync Basic, Snapshots/Thin Clones (iCDM)	✓
Remote Protection	File & Block Sync/Async Replication, Metrosync Manager, RecoverPoint Basic & for VM's	✓
Ecosystem Integration	VMware, Microsoft, OpenStack, REST API	✓

ADDITIONAL OPTIONAL OFFERINGS	
Software Defined	Hybrid UnityVSA UnityVSA Cloud Edition
Availability & Mobility	VPLEX RecoverPoint PowerPath
Protection Options	Data Domain NetWorker Data Protection Suite (DPS) AppSync
Networking	Connectrix

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. With no software to install, it uses predictive analytics to immediately begin providing comprehensive health scores for all your storage. The best IT issue is the one that never happens.

All-inclusive software + more

All-inclusive, feature rich, array-based software comes standard with every Dell EMC Unity XT All Flash Storage model. Optional offerings include differentiated hardware and software deployment options, availability and mobility, protection and networking options. Dell EMC Unity All-Flash systems come standard with 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 deployment and support

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 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

The Future Proof Loyalty Program guarantees 3:1 Data Reduction and 5X Storage Efficiency with every Dell EMC Unity XT All Flash system. These new rates are guaranteed with no assessment as part of a standard 1-year contract. Please visit the Future Proof Loyalty Program page for further details.

Learn more about Dell EMC Unity XT solutions

Contact a Dell EMC Expert

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