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

Replicate over metro distances
- True active-active synchronous replication over metro distances
- Recovery Point Objective (RPO) and Recover Time Objective (RTO) equal to zero downtime

Designed for performance and optimized for efficiency
Engineered from the ground-up to meet market demands hybrid storage performance, efficiency and lifecycle simplicity, 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 Unity XT to deliver more performance and less latency compared to previous generations.

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. 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.

Hybrid design
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 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. Unity XT was designed for a multi-cloud world, so you can easily leverage the new Unity XT platforms when deploying any of these cloud options:
Dell Technologies Cloud Validated Designs
- VMware Cloud Foundation – the first external storage platform to be validated for use with VMware Cloud Foundation (VCF), Unity XT enables you to easily provision storage for VCF with Unity XT NFS using best of breed components.
Consume in the Cloud
- Dell EMC Cloud Storage Services – Connect 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 Unity XT storage while maintaining complete control of data. Plus, VMware customers can deploy an automated DRaaS solution with 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 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.
Expand to the Cloud
- 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.
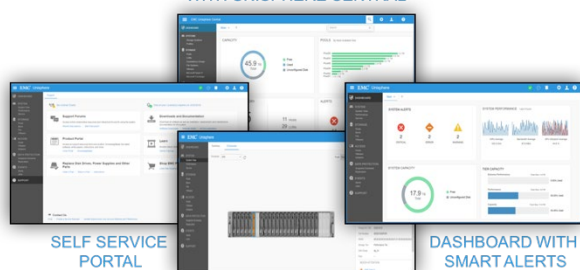**Cloud Data Insights**
- CloudIQ – Delivers Infrastructure Insight right into the palm of your hand. This free, cloud-based application lets you easily monitor, analyze, and troubleshoot your storage environment from anywhere.

**CENTRALIZED MANAGEMENT
WITH UNISPHERE CENTRAL**

**SELF SERVICE
PORTAL**

**DASHBOARD WITH
SMART ALERTS**

**SYSTEM VIEW AND
PROACTIVE ASSIST**

All-inclusive software and more

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

Metro node

Metro node is a hardware add-on feature for Unity XT that provides true active-active synchronous replication over metro distances. In addition, metro node supports data mobility to non-disruptively relocate workloads to enable storage technology refresh without application downtime. Metro node is also the only solution available that provides true active-active configurations by allowing simultaneous writes at both sites and supports Recovery Point Objective (RPO) and Recover Time Objective (RTO) equal to zero downtime.

Learn more about

Unity XT solutions

Contact a Dell EMC Expert

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