

Dell EMC Unity XT for Microsoft SQL Server

Dell EMC Unity XT is highly available storage that is simple to setup, manage, and use. Storage for Microsoft SQL Server can be rightsized for performance, capacity and price at initial deployment and scale to meet future needs. Inline data efficiencies & non-disruptive snapshot capabilities combine with Dell EMC AppSync to provide orchestration and self-service.

Designed for PERFORMANCE

Optimized for EFFICIENCY

Built for HYBRID CLOUD

Accelerated deployment: Built for virtualized environments, Dell EMC Unity XT enables faster Microsoft SQL Server deployments, more simplicity, greater choice, higher efficiency, and lower risk

Simple and versatile: Simplify management with intuitive interface and leading virtualization integrations to support Microsoft SQL Server deployments

High-performance and affordable: Dell EMC Unity XT's flash optimized architecture supports scores of VMs while delivering abundant IOPS at low latency (<1ms) for running demanding Microsoft SQL Server workloads

Agile: Boost Microsoft SQL Server infrastructure and service agility with support for broad virtualization APIs including VAAI, VASA, VVol, and ODX

Protected: Protect Microsoft SQL Server while reducing storage an average of 10-30x with Dell EMC's Data Domain

Available: Ensure high availability with Dell EMC Unity XT; designed for 5-9's on-array and replication capabilities for business continuity

Right-sized Infrastructure from Day 1 to Decommission

Microsoft SQL Server environments typically span numerous versions with a mix of workloads, varying database sizes, and a large number of instances. Regardless of the makeup, Dell EMC Unity XT meets the wide range of initial capacity and performance needs with a dual-active scale-up architecture to easily meet ever-increasing needs over the life of the array.

Dell EMC Unity XT allows for expansion in increments as small as two drives at a time with highly efficient data services that result in 85% usable capacity and an effective capacity of 790TBe per rack unit. Data efficiencies help maximize the overall cost effectiveness of any Microsoft SQL deployment. Combining thin provisioning, inline compression and inline deduplication; Dell EMC Unity XT provides inline data reduction with high resource efficiency that lowers TCO for your Microsoft SQL Server environment. Leveraging compression on the array instead of row or page compression at the database level can help improve Microsoft SQL Server CPU utilization and performance.



Simplified Deployment and Management

It only takes 25 minutes from opening the box until the Dell EMC Unity XT array is configured and ready to deliver extraordinary operational productivity. Dell EMC Unity XT is as simple and easy to install as a consumer networked printer, increasing the productivity of installation operations.

Dell EMC Unity XT is optimized to support virtualized Microsoft SQL deployments – simply, flexibly, and affordably for IT organizations looking to consolidate their Microsoft SQL Server based database applications.

Today's reporting processes require actionable insight to be drawn from a variety of data sources. Dell EMC Unity XT is both a block and file platform, allowing for the consolidation of the valuable data required for modern reporting with SQL Server Analysis Services.

Dell EMC Unity XT doesn't stop at simple, it is also powerful, with up to 28% more transactions per sec / 29% more Reads and 42% more Writes/second than the previously available Dell EMC Unity systems.

Multiple Paths to the Cloud

Customers now demand their storage infrastructure be cloud-ready. Dell EMC Unity XT was designed for a multi-cloud world and can be leveraged when deploying any of these cloud options:

Dell Technologies Cloud Platform: Integrated with VMware Cloud Foundation – as the first external storage platform to be validated for use with VMware Cloud Foundation (VCF), Dell EMC Unity XT offers the best of both worlds for customer's multi-cloud deployments. Customers can easily provision storage for VCF with Dell EMC Unity XT enabling customers to use best of breed components.

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: Dell EMC Unity XT software-defined storage solution deployed with VMware Cloud on the AWS cloud. This block and file solution is ideal for a variety of use cases in the cloud including home directory for running a VDI environment in VMware Cloud, Test/Dev, or replication services to a third site.

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

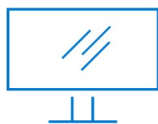
Dell EMC CloudIQ: A free, cloud-based application that lets you easily monitor, analyze, and troubleshoot your storage environment from anywhere. With no software to install and support for Dell EMC Unity XT and more, centrally view all of your storage systems on a single screen – from a web browser or mobile device. Predict the future with intelligent capacity and performance projections powered by CloudIQ Machine Learning. Maintain up to 2 years of historical data and visualize long-term trends in storage health.

Integrated Copy Data Management for Microsoft SQL Server

Dell EMC AppSync™, integrated with Dell EMC Unity XT snapshots, simplifies and automates the process of generating, consuming, and managing copies of production data. This solution addresses copy management use cases in a consolidated SQL database environment for database recovery and database repurposing. AppSync automatically discovers application databases, learns the database structure, and maps it through the virtualization layer to the underlying Dell EMC Unity XT storage. Orchestration of all the activities required from copy creation and validation through mounting the snapshots at the target host and launching or recovering the application. This solution supports and simplifies Microsoft SQL Server workflows that include refreshing, expiring, and restoring the production database.

Future Proof: Investment protection — with no hidden costs.

The Dell EMC Future-Proof Loyalty Program gives you additional peace of mind with guaranteed satisfaction and investment protection for future technology changes. The program includes Dell EMC Unity XT and other Dell EMC Storage, Data Protection and Hyper-Converged Infrastructure (HCI) products offer unbeatable value. Just another reason why gives you the best value for your investment.



[Learn More](#) about solutions



[Contact](#) a Dell EMC Expert