

Dell EMC ECS

One Global Shared Object Storage.

Accelerate business transformation through data.



- Scales into Exabyte for both small and large files
- 7.8PB single rack density
- 48% lower TCO than public cloud
- Hybrid cloud flexibility with up to 25% storage overhead reduction

Digital technology has disrupted large swaths of the economy and it will continue to upend entrenched businesses that are slow to recognize and respond to the digital tsunami. To avoid being swept away like the Borders and Blockbusters of the world, businesses must embrace digital transformation. New “cloud-native” applications and workloads are not only disrupting traditional business models, but also generating unprecedented amounts of data. IDC estimates that data is roughly doubling every two years. By 2017, 80% of this data will be of the unstructured variety.

ADAPTING TO DATA EXPLOSION

Burdened by traditional storage systems, IT organizations have struggled to keep up with the explosion of data. This has led to adoption of public-cloud storage platforms like AWS S3, driven by compelling economic advantages over traditional SAN and NAS storage systems. However, public cloud storage platforms involve navigating some fundamental tradeoffs in the areas of data residency, compliance with local laws and regulations, as well as unforeseen costs. Organizations are looking for the ability to balance the needs between capacity, capability and perceived economical alternatives in the public cloud while navigating the digital transformation.

EMBRACING DIGITAL TRANSFORMATION

There are multiple ways to embrace your digital transformation:

- Free up your primary storage: Move your inactive data to a low cost storage tier, which can reduce your primary storage capacities significantly.
- Modernize existing applications: Modernize your legacy applications, which will simplify your maintenance, increase reliability and reduce costs.
- Accelerate cloud-native apps development: Enable your businesses to grow with cloud native applications with public cloud like scalability and user-experience at a fraction of the cost.



CLOUD-SCALE CAPABILITIES & ECONOMICS

Dell EMC® ECS™ can help you with all of these. ECS is one object storage designed for unlocking insights from data from both traditional and next-gen workloads. It features a flexible software-defined architecture that provides the simplicity and low cost benefits of the public cloud without the risk, compliance, and data sovereignty concerns. ECS's benefits include:

- Scalable: Scale infinitely for both small and large files with strong global consistency.
- Flexible: Deploy on-premise as an appliance or a software-only solution, in the cloud operated by Dell EMC or a combination.
- Enterprise-ready: Enterprise-class object, file and HDFS storage in a secure and compliant system
- Cost Effective: 48% lower TCO compared to public cloud services
- Intelligent: Enable real-time data ingestion and analytics with a simplified cloud storage architecture.



SECURITY AND COMPLIANCE CAPABILITIES

ECS supports protection modes for litigation hold as well as SEC 17 a-4(f) and FIPS 140 compliance. With modern apps generating data across multiple locations, you will be able to scale your infrastructure across geographies without compliance and real-time-access issues.

FLEXIBLE CONSUMPTION OPTIONS

ECS has unmatched flexibility to deploy on-premise as an appliance, as a software-only solution, or as a service operated by Dell EMC.

Please refer to [ECS Technical Architecture White Paper](#) for ECS Software deployment details.

The New ECS Dedicated Cloud Service (ECS DC) enables hybrid cloud implementation with dedicated on-demand single tenant ECS storage, managed by Dell EMC and hosted in a Virtustream datacenter. The hosted site(s) can be used either as an active site to increase accessibility or as a replication target to increase storage efficiency and availability. With ECS DC, you will enjoy multi-site geo protection, private cloud control with hands-off operations, an optimized selection of the hosted site(s) location to bring proximity to users and consistent performance with dedicated network bandwidth, load balancer, and firewall.

TAKE THE NEXT STEP

Interested in seeing how Dell EMC ECS can benefit your organization? Go to www.dellemc.com/ecs for more information and download the trial version of ECS for free for non-production use with no time or capacity limits here: www.dellemc.com/getecs. If you're interested in requesting a quote, please contact your Dell EMC sales representative or authorized reseller. Also, see our solutions in the Dell EMC Store at <https://store.dellemc.com/ecs>.



[Learn more](#) about Dell EMC ECS solutions



[Contact](#) a Dell EMC Expert