

Dell EMC ECS

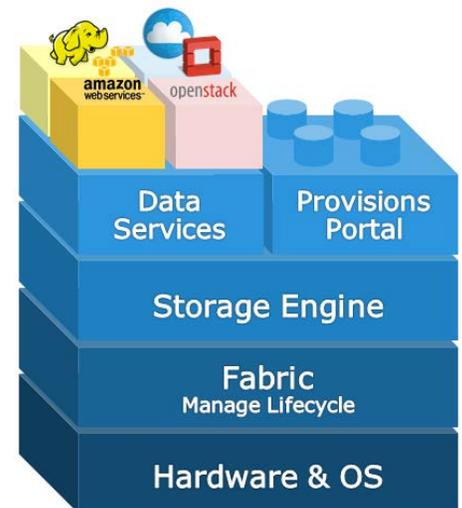
Cloud-scale Object Platform

THE MANY CHALLENGES FOR ENTERPRISE IT

Modern or 'cloud native' applications require a different storage architecture than what traditional systems can provide. Enterprise and IT organizations today are faced with unprecedented growth in unstructured data and confronting this challenge with traditional storage systems can be costly in terms of both storage and management. Over the past few years, cloud storage has emerged as the 'go-to' solution for mitigating some of these management headaches. Choosing the right cloud storage solution is an important step in establishing your cloud strategy. The low upfront cost and quick time to provision storage in the public cloud can be extremely tempting for developers and IT. But things like data sovereignty, secure access, compliance, and 'Shadow IT' can be a major concern when looking at services that the public cloud offers. Organizations need an economical, highly scalable platform that provides the ease of use and quick storage provisioning times of the public cloud – but without the risks and unpredictable storage costs.

Dell EMC ECS

Dell EMC® ECS™ is a multi-purpose, cloud storage platform with all the enterprise-grade capabilities that the public cloud doesn't provide. ECS is Dell EMC's third generation object platform that's built from the ground up using commodity infrastructure coupled with a software-defined architecture that provides high storage efficiency at near limitless scale. This unique architecture scales compute and storage resources independently delivering the economics required to efficiently manage unstructured (object, file, and HDFS) at massive scale.



SOLUTION BENEFITS

- **High Scalability** – ECS provides scale and performance across billions of small and large files within a geo-distributed environment. Scale seamlessly by simply adding more nodes and disks with minimal impact to the business.
- **Low Cost** – ECS can provide up to a 60% lower TCO when compared to public cloud storage instances at-scale. ECS takes advantage of the cost benefits of commodity infrastructure while also providing the reliability, availability and serviceability of traditional arrays.

- **Enterprise Grade Data Protection** – ECS implements an enhanced data protection scheme comprised of triple mirroring, erasure coding, and an XOR algorithm providing enterprise grade protection.
- **Universal Access & Support** – ECS enables simultaneous access to content through a wide variety of interfaces and APIs – Object (S3, Swift, Dell EMC Atmos and CAS), File (NFSv3, CIFS/SMB via CIFS-ECS tool), and HDFS (Hortonworks certified).
- **Simplified Application Development** – ECS uses strong consistency semantics allowing developers to focus on the apps – not the ops. Develop and deploy your modern applications with a much faster time to market.
- **Enhanced Cloud Capabilities** – Dell EMC's offer S3 extensions not available through Amazon such as byte range updates, atomic appending, rich ACLs, data 'in place' analytics, and metadata search and management capabilities.
- **Flexible Deployment Options** – ECS is available as a fully integrated appliance, as a software-only solution that can be deployed on certified commodity hardware, or as a Dell EMC hosted solution.
- **Durability and Availability** – ECS provides eleven nines (99.999999999%) of data durability indicating the level of data protection and integrity. It also provides three nines (99.9%) of availability which demonstrates ECS' reliability and operational performance.

FOUNDATION FOR DIGITAL TRANSFORMATION

ECS can be the catalyst that powers your digital transform as you move from traditional (Platform 2) workloads to next-gen, cloud native (Platform 3) workloads. You can start by lowering storage costs, modernizing applications and accelerating cloud native application development all in one platform

- **Free Up Primary Storage** - ECS allows you to consolidate resources and better optimize existing, Tier 1 higher performant storage by tiering down to ECS. Through Dell EMC cloud-enabling solutions, colder inactive can be moved to ECS by policy to free up primary storage and drive down cost.
- **Modern Application Platform** - ECS provides a single turnkey platform designed for modern application development, management and analytics. ECS can help customers modernize their traditional legacy applications by lowering costs and increasing the responsiveness to the business.
- **Accelerate Cloud Native Applications** – Gain a competitive edge in the marketplace with a faster time to market and value with ECS. Provide a public cloud-like experience to your developers and enable new business opportunities through cloud native applications with ECS.

TRY ECS FOR FREE

ECS is available to anyone as a fully containerized, [Free & Frictionless Download](#) for non-production use only. Developers can also visit Dell EMC's [Test Drive Portal](#) to gain access to ECS' object protocols. Try ECS today and see what it can do for your organization



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