

DELL EMC ECS

Do more with data

Why object storage?

Object-based storage is a flexible storage architecture that manages data as objects on a flat plane or namespace known as a storage pool, as opposed to a file hierarchy or block storage. Object storage offers many advantages over traditional file and block and has gained popularity as an economical way to store vast amounts of data. It also serves as an excellent platform from which to develop modern, cloud-native applications. Key advantages include: unlimited scalability, customizable metadata, faster data retrieval, and cost-effectiveness at scale. For most organizations, object storage should be a central component of an enterprise storage strategy.

Dell EMC ECS: An enterprise-grade object storage platform

Dell EMC ECS, an enterprise-grade object storage platform, empowers your organization to flexibly capture, store, protect, and manage unstructured data at public cloud-like scale, all behind the enterprise firewall. Using ECS, do more with data.

MODERNIZE YOUR INFRASTRUCTURE

Leverage a scale-out object architecture that eliminates the need for re-platforming apps and disruptive cloud migrations

- **Scale-out architecture:** Makes it simple to grow capacity as needed
- **Multi-workload support:** Delivers a solution for 2nd and 3rd Platform technologies
- **Hyperscale cloud-like scalability:** Enables your organization to manage Exabytes of data across the globe without the disadvantages of the public cloud
- **Storage-as-a-Service:** Provides a complete off-the-shelf solution via a self-service API, making it easy to procure storage capacity for critical enterprise workloads
- **Low-touch migration capabilities:** Ensures a seamless migration from existing Atmos and Centera deployments

SECURE YOUR DATA CAPITAL

Secure and protect your most valuable asset, data, with future-proof data protection and compliance capabilities

- **Seamless data tiering:** Economically archives data from hot storage tiers, freeing up primary storage for critical workloads
- **Advanced retention management:** Allows your organization to establish advanced retention policies, protecting data and ensuring regulatory compliance
- **GDPR compliance-ready:** Helps your organization conform to GDPR mandates, reducing your risk profile
- **SEC 17-A4 compliance-ready:** Meets data retention, indexing, and accessibility requirements for financial institutions in the business of securities brokering and trade
- **Data encryption at rest and in-motion:** Ensures the secure storage and transfer of enterprise data

LAY THE FOUNDATION FOR A DATA-DRIVEN BUSINESS

Fuel analytics initiatives using capabilities such as in-place HDFS support and native metadata search.

- **In-place HDFS support:** Enables the creation of Big Data repositories on ECS that Hadoop analytics can consume and process—compatible with Apache Hadoop 2.7 with support for fine-grained ACLs and extended filesystem attributes
- **Metadata search and management:** Empowers you to locate objects quickly across a flat namespace, resulting in faster time-to-value and simplified manageability
- **Capacity monitoring and alerting:** Provides a clear understanding of available storage capacity and alerts you when capacity thresholds are being reached, enabling you to better plan for future storage procurement initiatives

ACCELERATE APPLICATION DEVELOPMENT

Accelerate cloud-native app development with deep multiprotocol support and S3 compatibility.

- **Multi-protocol (S3, NFS, HDFS, etc.) support:** Stores data in the languages enterprise workloads understand—no need for application re-architecture or re-platforming
- **Shared global namespace:** Grants applications access to a unified data store and breaks down data silos
- **Active-active access control:** Provides native high-availability and resiliency capabilities
- **Pivotal Cloud Foundry (PCF) support for self-service storage broker:** Provisions ECS storage buckets by creating instances of service plans on PCF, simplifying and accelerating application development
- **Broad ISV support:** Integrates with multiple ISV solutions using self-service APIs

What's new with ECS 3.3: Continued innovation

With the launch of ECS 3.3, ECS has taken another huge step forward in enterprise-readiness and industry leadership, enabling your organization to truly power a data-driven future.



ENTERPRISE-READY: Meet strict regulatory mandates by leveraging KMIP-compatible, centralized key managers that deliver standardized, granular controls over your organization's data. Also, utilize improvements in NFS for WORM compliance and reduce security vulnerabilities via rigorous STIG hardening enhancements in ECS.



IMPROVED ROI: Get more out of your investment with lower metadata overhead and improved storage reclamation. Enhancements to ECS increase usable storage capacity and reduce the amount of outstanding garbage data in the pipeline with greater efficiency.



ENHANCED DATA VISIBILITY: Make more accurate forecasts and take action on capacity alerts using new custom alert, capacity monitoring, and metrics export tools. These ECS improvements help identify performance and utilization trends so you can make more informed decisions on storage capacity.



FASTER-TIME-TO-INSIGHTS: Unlock new insights from data faster than ever before with improved S3 LIST execution and prefix search. ECS now supports a greater number of list requests per prefix, per second and allows the use of a prefix parameter, in combination with other parameters, for metadata search, resulting in more accurate queries.



LOW-TOUCH MIGRATIONS: Migrate Atmos deployments to ECS without productivity impacts by using new policy migration enhancements and improvements to the ECS cloud gateway tool, GeoDrive. It's now easier than ever to migrate from legacy Atmos environments and provide users access to ECS storage capacity.

Deploy ECS on your terms

You can deploy ECS on-premises as an appliance, as a software-only solution, or as a service operated by Dell EMC.

The ECS Dedicated Cloud Service (ECS DC) enables a hybrid cloud implementation with dedicated on-demand single tenant ECS storage, managed by Dell EMC. The hosted site(s) can be used either as an active site to increase accessibility or as a replication target to enhance storage efficiency and availability. With ECS DC, you can 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 balancers, and firewalls.

Take the next step

Visit the Dell EMC [ECS website](#) for more information and download the [trial version of ECS](#) for free. With the free trial, you receive rights to non-production ECS software with no time or capacity limits here.

If you'd like to request a quote, please contact your Dell EMC sales representative or authorized reseller. Also, check out ECS solutions in the [Dell EMC Store](#).



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