

ObjectScale As an Application with Red Hat OpenShift

Key Features

- Enterprise-class object storage
- Starts with four nodes and scales out limitlessly
- S3 API-compatibility for streamlined application development
- Kubernetes-native containerized architecture
- Global replication for anywhere data access and fault tolerance
- Enterprise-grade data protection and security now including S3 bucket logging, consensus-based protection and self-encrypting drives
- Optimized for emerging workloads, supporting broad workload consolidation
- Available Dell Technologies services including Consulting, Deployment, Support and Managed services

Power modern app development and DevOps

As Kubernetes and containers drive cloud-native application initiatives across the enterprise, organizations need a modern storage infrastructure to support these new app requirements. The Red Hat OpenShift Container Platform enables organizations to implement a DevOps model for building cloud-native applications by providing developers and operations teams with the tools and services required to meet today's needs and build for the future.

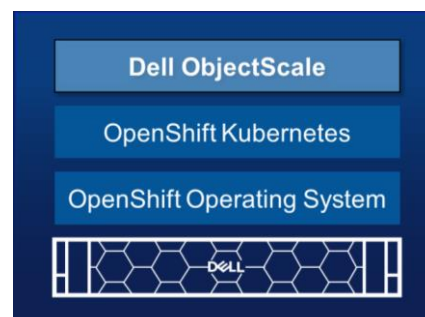
A long-time strategic partner of Red Hat, Dell Technologies provides organizations the flexibility to deploy and run S3-compatible object storage on the OpenShift Container Platform to support cloud-native applications and other emerging workloads directly from an on-premises data center.

Enterprise-class containerized object storage

Dell ObjectScale delivers S3-compatible, globally scalable, enterprise-grade object storage from the industry leader, Dell Technologies. Integration of ObjectScale with Red Hat OpenShift provides developers with the freedom to provision and scale high-performance object storage via Kubernetes APIs while ensuring exceptional operational control, performance and security.

One key to maximizing business value is deploying ObjectScale As an Application with OpenShift alongside traditional applications in a full-stack infrastructure that includes servers, primary storage and supporting software. Additional ObjectScale on OpenShift advantages:

- Dell manages the ObjectScale software, and you provide the Red Hat OpenShift, operating system and server environment
- Designed for scalable data centers – expand clusters to petabyte-scale and beyond
- An ObjectScale bare-metal CSI driver maximizes storage efficiency and optimizes performance
- A qualification tool helps qualify hardware for ObjectScale deployments
- Features Red Hat OpenShift 4.12 and 4.13 long-term support



ObjectScale As an Application Deployment Model

Run demanding workloads at scale

Built on a scale-out architecture, ObjectScale clusters start as small as four nodes and can scale to exabytes. With ObjectScale, support workloads at public cloud-scale with the reliability and control of a private cloud infrastructure. IT operators can manage billions of objects, thousands of object stores and petabytes of data with low overhead using a centralized, intuitive GUI with built-in reporting and software updates. Storage clusters can be deployed in minutes and pushed to production or decommissioned at any time with a few simple clicks.

Power modern apps

Integration of ObjectScale with Red Hat OpenShift enables you to support modern application initiatives and workflows using the same OpenShift tools you know. By running ObjectScale on OpenShift in your data center, you can control shadow IT while freeing developers to support CI/CD processes and agile methodologies in a self-service manner via Kubernetes APIs. IT operators can provision persistent cloud-scale object storage for modern applications. S3 compatibility provides developers with a familiar set of APIs from which they can modernize existing workloads and design the next generation of enterprise applications. ObjectScale delivers on the latest S3 capabilities with ObjectScale Lock, IAM, Select, Event Notifications, Bucket Logging, ObjectScale Replication and more.

Secure your object data

ObjectScale is built from the same codebase as Dell ECS and inherits its trusted, enterprise proven pedigree. ObjectScale Replication enables objects to be replicated anywhere you have an ObjectScale footprint, from the edge to a core data center, so you can protect workloads from outages and share data with teams anywhere in the world. ObjectScale also features enterprise security and data protection capabilities including D@RE, erasure coding, versioning, resource isolation, IAM, WORM features and more. It's technology you can trust from the enterprise leader in storage.

Dell Technologies Services for ObjectScale As an Application

You can count on a wide portfolio of choices to meet your services and support needs for ObjectScale. Highlights include:

- **Consulting Services** can help by assessing your environment and building a transformation plan that achieves measurable outcomes aligned to your corporate vision and strategy.
- **Deployment Services** can help your organization embrace new technologies by accelerating deployment and adoption so you can execute digital strategies and drive business outcomes.
- **Support Services** utilize our experts as well as AI, machine learning and deep learning to optimize performance while predicting, preventing and proactively resolving issues.
- **Managed Services** offload day to day IT operations by combining on-site and remote end-to-end management and operation of your infrastructure allowing your resources to focus on driving innovation.



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