

Dell EMC ObjectScale on VMware vSphere® with VMware Tanzu™

Highlights:

- Enterprise-grade object storage
- Starts with three nodes and scales out linearly
- S3 API-compatibility for streamlined application development
- Kubernetes-native containerized architecture
- Global replication for anywhere data access and fault tolerance
- Built-in data protection and security features
- Intelligent workload sizer optimizes the environment
- Custom tagging and search features
- Supports modern and traditional workloads
- vSAN Shared-Nothing Architecture and vSAN Direct options
- ProDeploy, ProSupport and Data Migration services available from Dell Technologies

Supporting modern apps via VMware vSphere with Tanzu

As Kubernetes and containers drive cloud-native application initiatives across the enterprise, organizations need a modern storage infrastructure to support these new app requirements. VMware has developed the VMware vSAN™ Data Persistence platform (DPP), enabling organizations to deploy S3-compatible object storage to support cloud-native applications directly from their VMware data center.

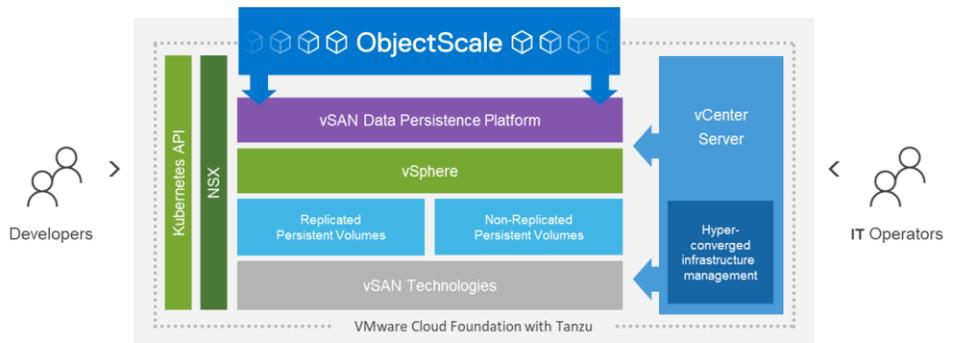
The vSAN DPP provides a framework for VMware partners that offer modern stateful services to integrate with the underlying virtual infrastructure, allowing you to run stateful services with high velocity scaling, simplified IT operations, and optimized TCO. The vSAN DPP is accessible through VMware vSphere with Tanzu*, the new generation of vSphere for containerized applications. This single, streamlined solution bridges the gap between IT operations and developers with a new kind of infrastructure for modern, cloud-native applications.

Dell EMC ObjectScale: Software-defined object storage

Dell EMC ObjectScale delivers S3 compatible, globally scalable, enterprise-grade object storage from the industry leader, Dell Technologies. Integration with VMware vSphere with Tanzu* provides developers with the freedom to provision and scale high performance object storage via Kubernetes APIs while ensuring exceptional simplicity, manageability and reliability for IT.

You can deploy ObjectScale alongside traditional applications on a regular vSAN cluster with vSAN-SNA (vSAN Support for Shared Nothing Architecture) policy, or deploy it on a dedicated vSAN cluster with VMware vSAN Direct Configuration™, a technology enabling direct access to the underlying direct-attached hardware which can be optimized for the application needs. Both options benefit from optimal storage efficiency for stateful services by leveraging service-level replication, as well as unified management of services in VMware vCenter™.

ObjectScale on VMware Cloud Foundation with Tanzu



Enterprise-grade object storage

Built with a scale-out architecture, ObjectScale clusters expand from a few terabytes to petabytes and beyond without limits on the number of object stores, buckets or objects stored. Clusters can start as small as three nodes and scale out linearly. ObjectScale Replication enables objects to be replicated anywhere you have an ObjectScale footprint, from the edge to a core data center. By replicating data across the environment, 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.

Simplified operations

ObjectScale's integration with the vSAN Data Persistence platform enables you to support modern application initiatives and workflows using the same VMware tools you know. By running ObjectScale in your VMware data center, you can control for 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 stateful applications and extend Storage Policy-Based Management (SPBM) from VM volumes to container volumes, allowing for a consistent management approach. With ObjectScale, it's easy to manage all your data with low overhead through a familiar vCenter UI.

Powers modern apps

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 and ObjectScale Replication, enabling workloads previously built for the cloud to run seamlessly in your data center. ObjectScale is the ideal data store for emerging workloads including big data analytics, IoT storage, media content delivery, artificial intelligence and machine learning due to its performance, scalability, flexibility, and ease of use. ObjectScale also serves as a cost-effective secondary storage tier, freeing up expensive primary storage and supporting traditional workloads like backups, long-term retention and tape replacement.

Dell Technologies Services for ObjectScale

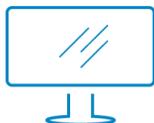
Customers can count on several choices to meet their support and deployment needs for ObjectScale.

- **Dell EMC ProDeploy and ProDeploy Plus for Enterprise** offers provide choice in remote or in-person installations.
- **Dell EMC ProSupport and ProSupport Plus for Enterprise** offers provide choice of collaborative or single source of support for eligible 3rd party software.
- **Dell EMC Data Migration services** include a project manager and design experts who apply tools, methodologies and global best practices to move data securely and efficiently from Dell EMC and third-party storage to new infrastructure.

Take the next step

Please contact your Dell EMC sales representative or authorized reseller to learn more about ObjectScale and how it can benefit your organization. Also check out the [ObjectScale website](#) for more information on how ObjectScale unlocks the value of unstructured data.

*VMware vSAN™, VMware NSX™, and VMware Tanzu™ licenses are also required for the vSAN Data Persistence platform.



Learn more about
ObjectScale solutions



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