Cloudian Object Storage for vCloud Director
Integrated S3-compatible Storage for Cloud Providers

Cloudian Object Storage for vCloud Director is an integrated storage platform that lets users deploy and manage S3-compatible storage within their services environment. For cloud providers, this opens the door to new services revenue streams for data protection, big data, healthcare, media asset management, video surveillance, and more. And for cloud providers’ customers, the integration delivers best-in-class object storage services from within their preferred cloud interface.

Cloudian Object Storage for vCloud Director provides a single point of management for applications and object storage. Administrators can provision, view and manage elastic pools of storage from within the vCloud Director user interface, thus reducing workload and management complexity.

S3-Compatible Storage Platform
As the de facto language of the cloud, the S3 API enables a wide range of use cases across virtually all industry groups. Cloudian Object Storage for vCloud Director incorporates a fully-compatible, native S3 API implementation, making it an ideal platform for services deployments and software development.

Deployment Options
Using Cloudian Object Storage for vCloud Director, VMware Cloud Providers can deploy S3-compatible storage on their existing compute and storage platform. Alternately, deploy capacity as a separate Cloudian storage appliance. Either way, storage management is integrated within vCloud Director.

What are the key features of Cloudian Object Storage for vCloud Director?

Multi-tenant Resource Pooling: Create isolated, secure storage pools within a shared storage platform. Customers have independent role-based authentication and fine-grained access controls.

Geo-Distribution and Cloud Migration: Policy-based tools enable simple, secure storage migration and management across sites for disaster recovery and storage resource optimization, all within a single namespace.

Integrated Management: Manage commonly used storage functions, such as reporting and configuration of users and groups, with access provided through the vCloud Director user interface. For advanced functions, a single sign-on provides seamless access to the Cloudian user interface.
Quality of Service: Manage service level agreements with bandwidth controls to ensure a consistent customer experience.

Billing: Generate client billing information using selected usage parameters.

Modular Scalability: Start small and grow without interruption to an exabyte within a single namespace.

Data Durability up to 14 Nines: Deployment options, including erasure coding and data replication, allow for configurable data durability up to 99.999999999999%.

Granular Storage Management: Manage data protection and security at the bucket level to tailor capabilities for specific users.

Self-service Management: Role-based access controls allow customers to select and provision storage on-demand from a service catalog via a self-service portal.

What are the key benefits of Cloudian Object Storage for vCloud Director for the cloud provider?

Cloudian Object Storage for vCloud Director provides a versatile, scalable storage pool usable for any S3-compatible application. For the cloud provider, this enables high-value add service offerings, including:

Storage-as-a-Service (STaaS): Provide S3-compatible storage capacity on a subscription basis to help customers address their growing volumes of data.

Backup-as-a-Service (BaaS): Offer a backup target that integrates easily with most popular data protection platforms.

Archive-as-a-Service (AaaS): Provide a long-term data repository for infrequently used data.
Disaster Recovery-as-a-Service (DRaaS): Help customers avoid the risks of business and organizational disruptions resulting from disasters by maintaining a data copy offsite.

Big Data-as-a-Service (BDaaS): Integrate with popular big data applications to provide a limitlessly scalable data lake.

Disaster Recovery-as-a-Service (DRaaS): Help customers avoid the risks of business and organizational disruptions resulting from disasters by maintaining a data copy offsite.

Containers-as-a-Service (CaaS): Provide persistent storage for new, containerized applications.

Software Development: The fully native S3 API provides a proven platform for S3-compatible application development.

Cloudian Object Storage for vCloud Director also supports storage requirements for vCloud operations such as importing/exporting catalogs.

What are the key benefits of Cloudian Object Storage for vCloud Director for the enterprise customer?

By providing a versatile, scalable storage pool usable for any S3-compatible application, Cloudian Object Storage for vCloud Director enables the cloud provider to deliver greater value to enterprise customers with services and features such as:

Fully S3-compatible storage services from a trusted provider: Leverage the rapidly growing ecosystem of S3-compatible applications with a native S3 API that offers the industry’s broadest interoperability.

Scalable, secure, and cost-effective capacity on demand: With multi-tenancy, limitless scalability, and a range of security features, Cloudian Object Storage for vCloud Director provides an enterprise-ready storage environment.

New services built for capacity-intensive workloads: Benefit from services offerings that simplify large-scale data management in use cases such as big data, healthcare records management, data protection, and more.

S3-compatible software test-dev environment: Develop S3-compatible software leveraging the industry’s most proven S3 API

Consolidated cloud and on-prem storage management: Enterprise customers also have the option to build a hybrid cloud with Cloudian Object Storage on-prem. Manage both cloud and on-prem resources from a single screen.