

Clouidian Object Storage for vCloud Director

Integrated S3-compatible Storage for Cloud Providers

At A Glance

Clouidian Object Storage for vCloud Director lets VMware cloud providers deploy and manage an S3-compliant storage environment that is proven interoperable with the broad industry ecosystem of S3-compatible applications.

Key Benefits

- Proven interoperability with the S3 API
- Native integration with vCloud Director
- vCD virtual appliance deployment model
- Limitless storage scale within a single namespace
- Modular scaling for uninterrupted growth
- Seamless hybridity and security across global cloud estates
- Self-service storage management for customers
- Secures data from unauthorized access with encryption features and access management tools
- Helps cloud providers offer differentiated and value-add services, targeting new markets and use cases
- Available as software-defined storage — with utility-based pay as you grow pricing — or as a pre-configured appliance

Clouidian Object Storage for vCloud Director is an integrated storage platform that lets cloud providers and their tenant users deploy, manage and consume S3-compatible storage within their services environment.

For cloud providers, this opens the door to new service revenue streams in use cases such as data protection, big data, healthcare, media archives, video surveillance, and more. For their tenant customers, it delivers a best-in-class object storage service fully integrated and delivered through their preferred cloud management platform.

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. Clouidian Object Storage for vCloud Director incorporates a fully-compatible, native S3 API implementation, making it an ideal platform for services offerings and software development.

Deployment Options

Choose from two deployment options:

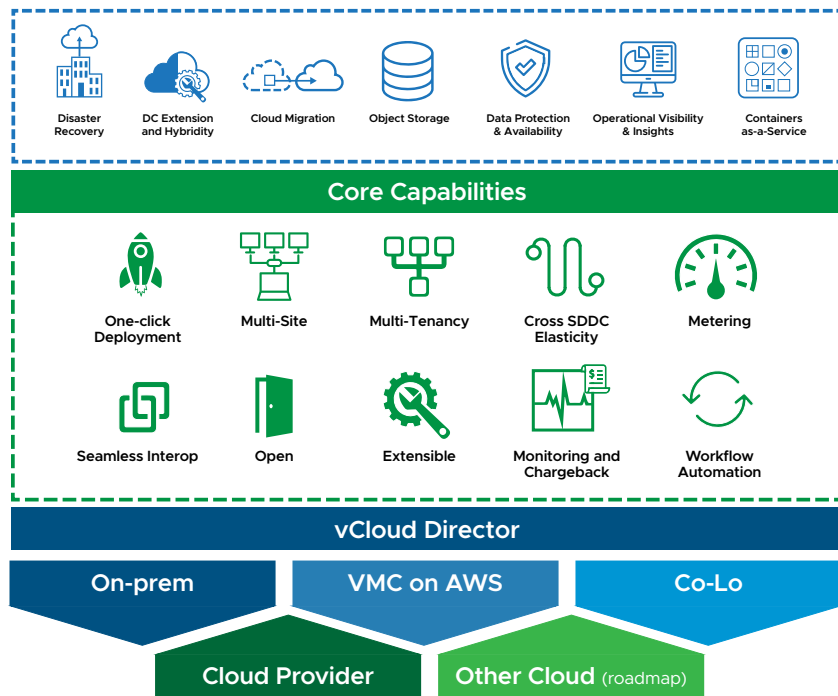
- **Software-Defined Storage:** Deploy Clouidian on your existing compute and storage platform and leverage the storage you already have. A utility-based pricing model lets you license Clouidian software for just the object storage capacity in use.
- **Appliance:** Deploy as a pre-configured storage appliance from Clouidian. Start small and seamlessly scale to an exabyte without interruption.

What are the key features of Clouidian 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 storage resource optimization, all within a single namespace.

Integrated Management: Manage commonly used storage functions, such as reporting and configuration of users and groups, are accessed from within the vCloud Director user interface. For advanced functions a single sign-on provides seamless access to the Clouidian 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 Service Provider, this enables high-value add service offerings including:

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

Backup-as-a-Service (BaaS): Serve as a backup target, managed within vCD, that integrates easily with most popular data protection platforms.

Archive-as-a-Service (AaaS): Provide a long-term data repository for infrequently used data.

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

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?

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

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 offers an enterprise-ready storage environment.

New services built for capacity-intensive workloads: Capitalize on new 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. Deploy Cloudian Object Storage on-prem, and manage both cloud and on-prem resources from a single screen.