



Object Storage

Data Sheet

Introduction

The rapid development of the Internet has led to the explosive growth of unstructured data. Traditional architectures become less suitable to meet the demand of today's applications. With the advantages of scalability, simplicity and budget saving, object storage provides a real solution to face the challenges of the modern infrastructure. As a result, object-based storage is now widely adopted by enterprises. Object Storage is an efficient object-based storage platform, dedicated to providing customers with secure and reliable storage services.

Object Storage

Object Storage is enterprise class and instantly available, allowing you to store an infinite amount of data affordably, it is secure, durable and highly scalable. With Object Storage, you can safely and efficiently store and retrieve data directly from the Internet. It allows you to pay only for the storage you actually use, which eliminates the resource investment and capacity planning. Object Storage can be used alone or in conjunction with CDNetworks CDN, which is highly integrated to provide faster and safer content delivery service.

How It Works

Object Storage is object-based, each object is a self-contained repository that owns the data, metadata (descriptive information associated with an object), and a unique identifying ID number (instead of a file name and file path). This information enables an application to locate and access the object.



Objects in Object Storage are accessed via Application Programming Interfaces (APIs). The native API for object storage is an HTTP-based RESTful API. These APIs query an object's metadata to locate the desired object (data) via the Internet from anywhere, on any device.

By integrating Object Storage API to your application, you can use it as an enterprise network disk for data storage, or as an origin for static websites, storing unstructured data such as videos, music, pictures, installation packages, etc. With Object Storage, you can easily and efficiently upload/manage/download massive storage resources. Object Storage also integrates rich media processing features, which can help you achieve rapid growth in your application or business.

Key Features and Benefits

Feature	Description	Benefit
Dynamic scalability and growth	You can start with just a few GB and scale as needed without the need to partition your data. Store all types of files, without being constrained by low disk space.	It makes you pay less while focusing more on the business.
Easy Integration	Web-based portal is available, in parallel, addressing your data on Object Storage via RESTful API makes automation possible, and makes integration easier in application layers using your data.	It makes operation a breeze, while covering the majority of your use cases.
Resilience and availability	All objects are stored with multiple replication per region. Objects are automatically re-created from healthy replicas if data corruption is detected.	It ensures maximum efficiency, security and availability of your applications and data.
Media Processing	High concurrent capabilities make it possible to meet requirements in video processing with large amounts of UGC files. Object Storage integrates with rich media functions, e.g. transmuxing, transcoding, video processing, etc.	It helps your business adapt to various terminal types and network situation.
Object expiration dates	Objects can have an expiration date as an attribute. In such cases, the object will simply be deleted once that date has passed.	It simplifies the object management and saves your cost in abandoned storage.



Feature	Description	Benefit
Static Website Hosting	Object Storage is perfect for non-dynamic web hosting. Host static websites such as blogs, brochure sites, and small company sites entirely from Object Storage with a global CDN.	It provides a highly convenient hosting solution, making your website work uninterruptedly.
CDN	When you enable a bucket for CDN, your media files receive a web-ready URL that you can share with anyone. CDN accelerates the speed in which your content is delivered by caching files locally to your users.	It eliminates any latency problems in accessing, making your content reach end users faster and safer.
Amazon S3 API	Strong Amazon S3 compatibility to access data easily from any application, gateway or 3rd party solution, so you do not have to re-factor applications which currently use Amazon S3.	It saves the human efforts and resources when you migrate from 3rd storage to our Object Storage.

About CDNetworks

CDNetworks is a global leading content delivery network (CDN) provider with fully integrated Cloud DDoS mitigation and web application firewall. Our mission is to transform the Internet into a secure, reliable, scalable, and high performing Application Delivery Network. CDNetworks accelerates more than 40,000 websites and cloud services over a network of 1500+ global PoPs in established and emerging markets including China and Russia. We have been serving enterprise customers for 15 years across industries such as gaming, finance and ecommerce, high tech, manufacturing, and media. CDNetworks offices are located in the U.S., UK, South Korea, China, Japan, and Singapore. For more information, please visit: www.cdnetworks.com.