



Object Storage as a Service

Quick access to large amounts of data - flexible, scalable and secure

The constant increase in unstructured data poses a challenge for companies to adapt to new types of data storage and access. Our Object Storage as a Service provides modern, effective, and highly scalable solutions, either from the CompanyCloud or from the PublicCloud.

Object storage is the solution to better and more organized large amounts of unstructured data. Unlike file storage or block storage, files are stored in a flat structure as objects in a large storage pool and can be easily and quickly retrieved.

Access to your data is through S3 access points, each using the REST API over HTTPS. You will receive your access data in the form of a DNS hostname and a password. Your data can be uploaded and downloaded via SSL-encrypted endpoints, and access rights can be defined individually.

Storage solutions compared



Block Storage

Data is stored as „blocks“ of fixed size in a rigid arrangement - ideal for corporate databases



File Storage

Data is stored as „files“ in hierarchically nested „folders“ - ideal for active documents

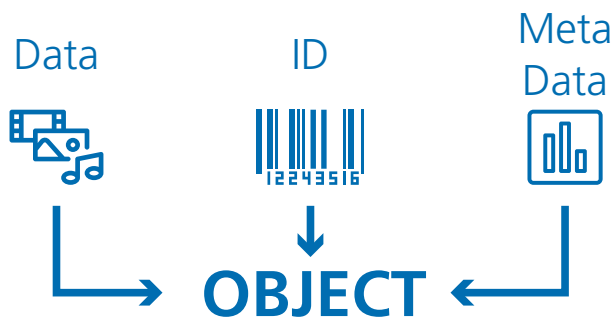


Object Storage

Data is stored as „objects“ in scalable „buckets“ - ideal for large, unstructured data, analytics, and archiving

The architecture is designed so that the interfaces are independent of individual programming languages. The objects are provided with metadata and an ID, through which the object can then be requested by applications at any time.

The advantage is clear: due to the unique identification and the flat storage structure, the data is immediately and clearly available..










The parking service for your data storage

Imagine it like a large public parking lot. The more parking spots are occupied, the longer it takes to find a free spot. If the parking lot is full, you must go somewhere else.

The object storage acts as a parking attendant and valet parking service at the same time. You leave your car (data) with it, receive a ticket with a number, and your car is parked for you on an available spot, so you don't have to worry about it and can trust that nothing will happen to your car.

When you want to pick up your car again, you receive it immediately after showing your ticket (ID) - simple, fast, and efficient

The applications of Object Storage as a Service include:

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File archives and backup of static content
 Object storage solutions can be used to store static file archives at a low cost, while providing immediate accessibility and optimal protection against unauthorized access. Backup applications can easily store the data to be archived, and the object storage will automatically store the data redundantly in the background.
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Big data analytics
 Object storage provides a flexible and scalable option for creating data lakes that allow for comprehensive analysis of large amounts of unstructured data.
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Hybrid cloud storage
 Object storage can be used to quickly connect on-premise applications to the cloud, while keeping sensitive data stored locally for fast access. Users can decide which data to keep locally and which data to migrate to the cloud.
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Cloud-native application data
 Object storage can simplify the creation, implementation, and updating of cloud-based applications by providing a scalable storage option.
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Disaster recovery
 The object storage architecture is well-suited for quickly and fully restoring data after unexpected failures. Data is replicated locally, and the redundancy protects against loss of critical data.
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Quality Management
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And many more

Unlimited availability – anytime, anywhere

Object storage is always a cluster system, all nodes within the cluster can see and retrieve all data at any time. All nodes have the metadata catalog, know the storage location of the data in the cluster, and can respond independently to data requests. For demand-adapted performance, the nodes can also work in parallel to provide large objects faster.

Unlimited scalability

The flat hierarchy of object storage offers several advantages for you. On the one hand, determining and later finding the storage location typical for folder structures is eliminated; this is not visible and not relevant to the user. The object can be found and accessed directly through the unique ID.

On the other hand, the flat structure ensures that your object storage is highly scalable as soon as you need more resources.

The rich metadata, which can be determined by the user himself, allows for a deep, detailed analysis of the stored data from many different perspectives.






Your benefits with object storage from the CompanyCloud

Our CompanyCloud object storage solution is provided from our ISO-27001-certified data centers in accordance with German data protection laws and can be perfectly integrated with other services from CompanyCloud.

Your benefits with object storage from the PublicCloud

In addition to the very good scalability of the CompanyCloud variant, the PublicCloud solution offers significantly more storage space and scalability, e.g., for hyperscale scenarios. Especially for internationally oriented companies, the PublicCloud variant offers a good alternative.

Advantages at a glance

-  High efficiency, durability, and flexibility
-  Seamless scalability
-  Always-on operation
-  Tamper-proof data storage
-  No transaction costs

Would you like to find out more about this solution and how to maximize your business success? Contact us now at sales@medialine.com and we'll find out together.

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