

# Multi-Cloud Data Controller

**Scality Zenko is a Multi-Cloud Data Controller that allows you to avoid vendor lock-in, reduce cloud storage costs and access best of breed cloud services from any public cloud provider. Available in both open source and enterprise editions, Zenko provides a unified interface to manage data across multiple private and public clouds. It also includes advanced metadata search across clouds and an extensible cloud data workflow policy engine.**

Building on the success of Zenko CloudServer (formerly Scality S3 Server, our open source implementation of the Amazon S3 API), Zenko Multi-Cloud Data Controller incorporates that technology and more. CloudServer is now a component of the Zenko Multi-Cloud Data Controller open source edition and has well over 2.5 million pulls from DockerHub. The initial set of Zenko components was released to the open source community under an Apache 2.0 license in July 2017:

**UNIFIED INTERFACE** – Zenko leverages the de facto industry-standard Amazon S3 API as a single object interface to any backend storage location, including public and private clouds. Through this unified interface, developers have an abstraction layer allowing them the freedom to use any cloud at any time without having to worry about multiple APIs or interfaces. Zenko support Amazon S3, Azure Blob Storage, Google Cloud Storage, Digital Ocean, Wasabi and many more. The list of Zenko-supported storage locations is driven by user and customer requirements.

**NATIVE FORMAT** – Data written through Zenko is stored in the native format of the target storage and can be read directly, without the need to go through Zenko. Therefore, data written in Azure Blob Store or in Amazon S3 can leverage the respective advanced services of these public clouds.

**DATA MANAGEMENT** – Zenko includes a policy-based data management engine used for seamless data replication, data migration services, and extended cloud workflow services, including cloud analytics and content distribution.

**METADATA SEARCH** – Zenko is metadata-driven and provides search tools for expanded insight to find data no matter where it is stored. Zenko supports both system- and user-created metadata.

**CLOUD-BASED MANAGEMENT PORTAL** – Through a point-and-click interface, Zenko Orbit provides an easy way for cloud application developers to create replication workflows. Search across a single, global namespace on system- and user-defined metadata.

## Key Benefits

### Avoid Vendor Lock-in

Because Zenko enables you to freely move data between clouds without requiring application re-writes, you are not locked into any single cloud provider.

### Access Best of Breed Cloud Services

Being able to move data to any cloud at any time allows you to access the ever-growing number of value-added cloud services for analytics, artificial intelligence, business intelligence, content distribution and more.

### Quickly Find Data No Matter Where It Is

With an intelligent metadata engine built-in, Zenko can manage and quickly find data in any location under management with simple, intuitive search commands.

### Simplicity

Cloud-based management portal allows point-and-click management of multiple public clouds.



# Open Source and Enterprise

Zenko is available in both open source and enterprise editions. The open source ([github.com/scality/Zenko](https://github.com/scality/Zenko)) edition is free to use, extend, and embed into developer applications, opening a new world of multi-cloud storage to any application developer or DevOps team looking to quickly and easily support multiple clouds with a single interface. The enterprise edition includes Scality's proven, world-wide support and professional services as well as unlimited management and monitoring with Zenko Orbit.

## Features

### AMAZON S3 OBJECT SPECIFICATIONS

- Unified interface across disparate storage locations via an Amazon S3 compatible API
- AWS Signature v4 & v2 HMAC authentication schemes

### METADATA SEARCH

- Support for both system- and user-defined metadata
- Custom metadata key/value attributes via S3 x-amz-meta headers
- Global search from Zenko Orbit and API

### SUPPORTED STORAGE AND CLOUDS

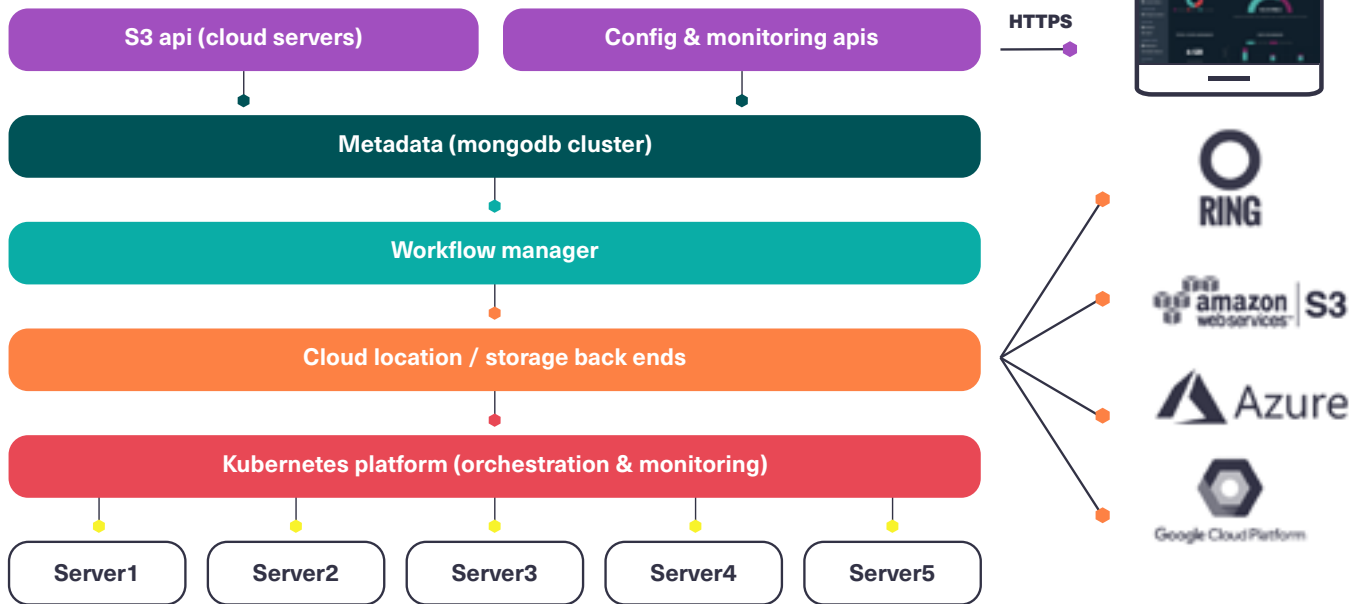
Support for object data storage in:

- Scality RINGs
- Amazon S3
- Azure Blob Storage
- Google Cloud Storage
- Digital Ocean Spaces
- Wasabi

### DATA MOBILITY FEATURES

Data Management engine for policy-based data management across clouds

- 1-1 Cloud Replication
- 1-Many Cloud Replication
- Lifecycle Expiration
- Lifecycle Transition



**ABOUT SCALITY** Scality® storage propels companies to unify data management no matter where data lives — from edge to core to cloud. Our market-leading file and object storage software protects data on-premises and in hybrid and multi-cloud environments. With [RING](#) and [ARTESCA](#), Scality's approach to managing data across the enterprise accelerates business insight for sound decision-making and maximum return on investment. To compete in a data-driven economy, IT leaders and application developers trust Scality to build sustainable, adaptable solutions. Scality is recognized as a leader by Gartner and IDC. Follow us [@scality](#) and [LinkedIn](#). Visit [www.scality.com](http://www.scality.com), or subscribe to our company [blog](#).

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