

# Configuring a Multisite Object Storage Deployment

## Objectives

After completing this section, you should be able to configure the RADOS Gateway with multisite support to allow objects to be stored in two or more geographically diverse Ceph storage clusters.

## RADOS Gateway Multisite Deployment

The Ceph RADOS Gateway supports *multisite* deployments within a global namespace, which allows the RADOS Gateway to automatically replicate object data between multiple Red Hat Ceph Storage clusters. A common supported use case is active/active replication between geographically separate clusters for disaster recovery purposes.

The latest multisite configuration simplifies failover and failback procedures, supports active/active replication configuration between clusters, and incorporates new features such as a simpler configuration and support for namespaces.

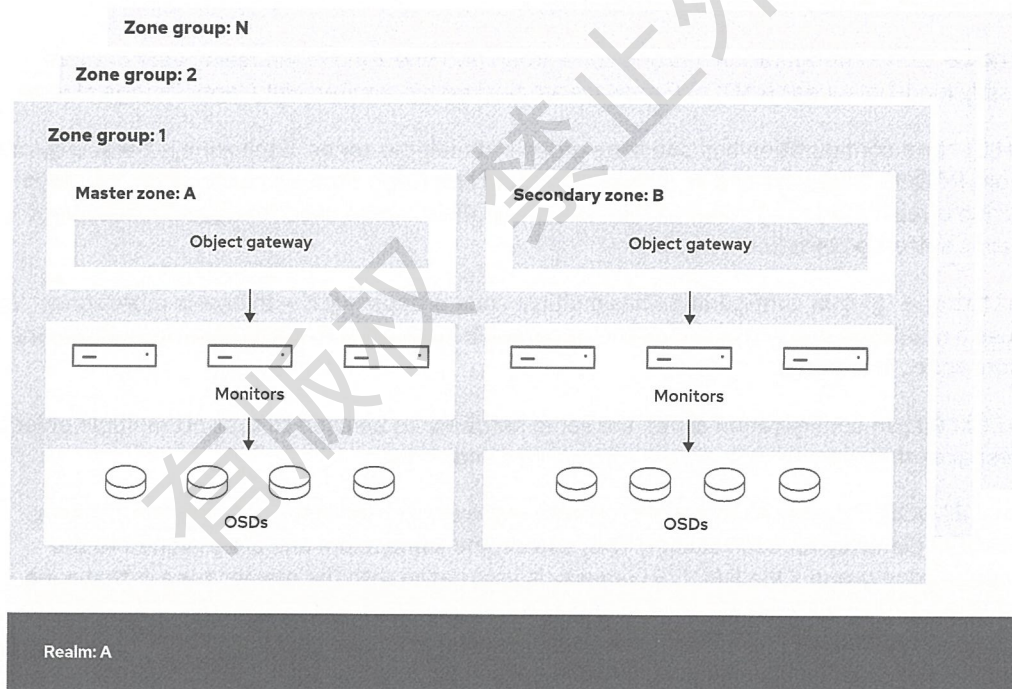


Figure 8.3: RADOS Gateway multisite diagram

## Multisite Components

The multisite components and definitions are listed below.

### zone

A zone is backed by its own Red Hat Ceph Storage cluster. Each zone has one or more RADOS Gateways associated with it.