RADOS S3 API

Ceph supports a RESTful API that is compatible with the the basic data access model of the Amazon S3 API.

API

- Common
- Authentication
- Service Ops
- Bucket Ops
- Object Ops
- C++
- C#
- Java
- Perl
- PHP
- Python
- Ruby

FEATURES SUPPORT

The following table describes the support status for current Amazon S3 functional features:

Feature	Status	Remarks
List Buckets	Supported	
Delete Bucket	Supported	
Create Bucket	Supported	Different set of canned ACLs
Bucket Lifecycle	Not Supported	
Policy (Buckets, Objects)	Not Supported	ACLs are supported
Bucket Website	Not Supported	
Bucket ACLs (Get, Put)	Supported	Different set of canned ACLs
Bucket Location	Not Supported	
Bucket Notification	Not Supported	
Bucket Object Versions	Not Supported	
Get Bucket Info (HEAD)	Supported	
Bucket Request Payment	Not Supported	
Put Object	Supported	
Delete Object	Supported	
Get Object	Supported	
Object ACLs (Get, Put)	Supported	
Get Object Info (HEAD)	Supported	
POST Object	Supported	
Copy Object	Supported	
Multipart Uploads	Supported	(missing Copy Part)

UNSUPPORTED HEADER FIELDS

The following common request header fields are not supported:

Name	Type
x-amz-security-token	Request
Server	Response
x-amz-delete-marker	Response
x-amz-id-2	Response
x-amz-request-id	Response
x-amz-version-id	Response