

COMMON ENTITIES

BUCKET AND HOST NAME

There are two different modes of accessing the buckets. The first (preferred) method identifies the bucket as the top-level directory in the URI.

```
GET /mybucket HTTP/1.1
Host: cname.domain.com
```

The second method identifies the bucket via a virtual bucket host name. For example:

```
GET / HTTP/1.1
Host: mybucket.cname.domain.com
```

To configure virtual hosted buckets, you can either set `rgw_dns_name = cname.domain.com` in `ceph.conf`, or add `cname.domain.com` to the list of hostnames in your zonegroup configuration. See [Ceph Object Gateway - Multisite Configuration](#) for more on zonegroups.

Tip: We prefer the first method, because the second method requires expensive domain certification and DNS wild cards.

COMMON REQUEST HEADERS

Request Header	Description
CONTENT_LENGTH	Length of the request body.
DATE	Request time and date (in UTC).
HOST	The name of the host server.
AUTHORIZATION	Authorization token.

COMMON RESPONSE STATUS

HTTP Status	Response Code
100	Continue
200	Success
201	Created
202	Accepted
204	NoContent
206	Partial content
304	NotModified
400	InvalidArgument
400	InvalidDigest
400	BadDigest
400	InvalidBucketName
400	InvalidObjectName
400	UnresolvableGrantByEmailAddress
400	InvalidPart
400	InvalidPartOrder
400	RequestTimeout
400	EntityTooLarge
403	AccessDenied
403	UserSuspended
403	RequestTimeTooSkewed
404	NoSuchKey
404	NoSuchBucket
404	NoSuchUpload

405	MethodNotAllowed
408	RequestTimeout
409	BucketAlreadyExists
409	BucketNotEmpty
411	MissingContentLength
412	PreconditionFailed
416	InvalidRange
422	UnprocessableEntity
500	InternalServerError
