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Resource representations

Methods

The Buckets resource represents a [bucket](#) in Cloud Storage. There is a single global namespace shared by all buckets. For more information, see [bucket name requirements](#).

Buckets contain [objects](#) which can be accessed by their own methods. In addition to the `ac1` property, buckets contain [bucketAccessControls](#), for use in fine-grained manipulation of an existing bucket's access controls.

A bucket is always owned by the associated project's `projectOwner` [convenience value](#).

To try out the methods for this resource, such as creating a new bucket, see [Methods](#).

Resource representations

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⋮

```
{  "kind": "storage#bucket",  "selfLink": string ✎,  "id": string ✎,  "name": string ✎,  "projectNumber": "unsigned long ✎",  "metageneration": "long ✎",  "location": string ✎,  "storageClass": string ✎,  "etag": string ✎,  "defaultEventBasedHold": boolean ✎,  "timeCreated": "datetime ✎",  "updatedAt": "datetime ✎"
```

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autoclass.terminalStorageClass

string

autoclass.terminalStorageClassUpdateTime

datetime¹

autoclass.toggleTime

datetime¹

billing

object

billing.requesterPays

boolean

cors[]

list

cors[].maxAgeSeconds

integer

cors[].method[]

list

cors[].origin[]

list

cors[].responseHeader[]

list

customPlacementConfig

object

customPlacementConfig.dataLocations[]

list

defaultEventBasedHold

boolean

defaultObjectAcl[]

list

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softDeletePolicy

object

softDeletePolicy.effectiveTime

datetime

softDeletePolicy.retentionDurationSeconds

long

storageClass

string

timeCreated

datetime¹

updated

datetime¹

versioning

object

versioning.enabled

boolean

website

object

website.mainPageSuffix

string

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insert

Creates a new bucket.

list

Retrieves a list of buckets for a given project.

listChannels

Retrieves a list of active Object Change Notification channels for a bucket.

lockRetentionPolicy

Irreversibly sets the retention policy on a bucket.

patch

Updates a bucket. Changes to the bucket will be readable immediately after writing, but configuration changes may take time to propagate. This method supports [patch](#) semantics.

setIamPolicy

Updates an IAM policy for the specified bucket.

testIamPermissions

Tests a set of permissions on the given bucket to see which, if any, are held by the caller.

update

Updates a bucket. Changes to the bucket will be readable immediately after writing, but configuration changes may take time to propagate. This method sets the complete metadata of a bucket. If you want to change some of a bucket's metadata while leaving other parts unaffected, use the [PATCH](#) method instead.

For information about status and error codes returned by these APIs, see the [reference page](#).

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