

Feature: CRUD zone

(covers placement targets and storage classes)

User Story

As an Administrator, I want to be able to specify placement targets and storage classes on my local zone (edit).

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English

Dashboard Cluster Pools Block NFS Filesystems Object Gateway

Object Gateway >> Multi-site >> Edit

1 Realm 2 Zonegroups 3 Zones 4 System User 5 Review

Edit Realm

Name * Default

Edit Zonegroups Review >> Cancel

Notes

Edit Multi-site Configuration workflow Step 1 - Edit Realm

- Workflow for editing a multi-site configuration.
- Triggered by user selecting the "Edit" action previously.

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English

Dashboard Cluster Pools Block NFS Filesystems Object Gateway

Object Gateway >> Multi-site >> Edit

1 2 3 4 5

Realm Zonegroups Zones System User Review

Edit Zonegroup

Name * Default Master

Endpoints *

Placement targets ⓘ

There are no placement targets.

+ Add placement target ← 1

Storage classes ⓘ

There are no storage classes.

+ Add storage class ← 2

<< Edit Realm Edit Zones **Review >>** Cancel

Notes

Edit Multi-site Configuration workflow Step 2 - Edit Zonegroups

- The Placement target and storage class are not part of the Add workflow (but will appear in the Edit workflow).
- Placement targets -- introduced in Jewel -- control which Pools are associated with a particular bucket. A bucket's placement target is selected on creation, and cannot be modified. The `radosgw-admin bucket stats` command will display its `placement_rule`.
- Storage classes -- introduced in Nautilus -- are used to customize the placement of object data. S3 Bucket Lifecycle rules can automate the transition of objects between storage classes.
- See <http://docs.ceph.com/docs/master/radosgw/placement/> for more information regarding Placement target and storage class.

1 To add 1 or more placement targets, user clicks on "Add placement target" button.

2 To add 1 or more placement targets, user clicks on "Add storage class" button.

Infotips

- Placement targets control which Pools are associated with a particular bucket.
- Storage classes are used to customize the placement of object data.



Edit Zonegroup

Name *

- Default
- Master

Endpoints *

Placement targets ⓘ

Placement target * **Tags** ✕

+ Add placement target

Storage classes ⓘ

There are no storage classes.

+ Add storage class

<< Edit Realm Edit Zones **Review >>** Cancel

Notes

Edit Multi-site Configuration workflow Step 2 - Edit Zonegroups Add Placement Target

- Placement target added.



Edit Zonegroup

Name *

- Default
- Master

Endpoints *

Placement targets ⓘ

Placement target *

Tags

+ Add placement target

Storage classes ⓘ

Storage class *

+ Add storage class

[<< Edit Realm](#) [Edit Zones](#) [Review >>](#) [Cancel](#)

Notes

Edit Multi-site Configuration workflow Step 2 - Edit Zonegroups Add Storage Class

- Storage class added.

English

Dashboard
Cluster
Pools
Block
NFS
Filesystems
Object Gateway

Object Gateway >> Multi-site >> Edit

1 Realm
2 Zonegroups
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4 System User
5 Review

Edit Zone

Zonegroup * ← 1

Name *

Default

Master

Zone Type *

Endpoints *

Placement targets ← 2

Placement target *

Use existing pools or add new pools + Add Pool

Data pool * ← 3

Index pool *

Data extra pool *

Scroll down (see mockup on next page)

Notes

Edit Multi-site Configuration workflow Step 3 - Edit Zones Configure Placement Target

- 1 Zonegroup would be selected based on previous selection.
- 2 Placement targets section appears for every previously configured placement target in the zonegroup, and only on local zones.
- 3 Default to the zone prefix pool whenever possible, i.e. if zone already exists.

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Dashboard Cluster Pools Block NFS Filesystems Object Gateway

Object Gateway >> Multi-site >> Edit

1 Realm 2 Zonegroups 3 Zones 4 System User 5 Review

Edit Zone

Continuation from previous mockup / page

Placement targets

Placement target * placement target from previous step

Use existing pools or add new pools + Add Pool

Data pool * e.g., default.rgw temporary.data

Index pool * default.rgw temporary.index

Data extra pool * default.rgw temporary.non-ec

Storage classes ← 3

Storage class * storage class from previous step

Use existing pool or add new pool + Add Pool

Data pool * e.g., default.rgw temporary.data

Compression lz4

<< Edit Zonegroups Edit System User Review >> Cancel

Notes

Edit Multi-site Configuration workflow Step 3 - Edit Zones Configure Storage Class

- The storage class compression is not the same as the pool compression (which is bluestore compression).


3 Storage class section appears for every previously configured placement target in the zonegroup, and only on local zones.

Add Pool Modal

Add Pool

Name *

Pool type *

Applications  No applications added

Compression

Mode

Object Gateway >> Multi-site >> Edit



Edit System User

Master zone Master_zone_name

Username *

<< Edit Zones **Review >>** Cancel

Notes

Edit Multi-site Configuration workflow Step 4 - Edit System User

- Edits system user that is associated to the master zone.

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Dashboard Cluster Pools Block NFS Filesystems Object Gateway

Object Gateway >> Multi-site >> Edit

1 2 3 4 5

Review

- realm_name (realm)
 - zonegroup_1 (zonegroup) master
 - zone_11 (zone) master
 - zone_12 (zone)
 - zonegroup_2 (zonegroup)
 - zone_21 (zone) master
 - zone_22 (zone)

System User

Username	zone11_user
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<< Edit System User Edit Multi-site >> Cancel

Notes

Edit Multi-site Configuration workflow Step 5 - Review Edits

- Note: If user selects any item on the tree, the details will appear on the right-side.