

SYMBOLS

--access-key=<key> radosgw-admin command line option	--purge-objects radosgw-admin command line option
--access=<access> radosgw-admin command line option	--quota-scope radosgw-admin command line option
--add name ip:port monmaptool command line option	--read-only radosgw-admin command line option
--address ceph-deploy command line option	rbid command line option
--adjust-repos ceph-deploy command line option	rbid-ggate command line option
--admin radosgw-admin command line option	rbid-nbd command line option
--admin-daemon ADMIN_SOCKET, daemon DAEMON_NAME ceph command line option	rbid-replay command line option
--admin-socket ADMIN_SOCKET_NOPE ceph command line option	--realm-id=<id> radosgw-admin command line option
--anonymize rbid-replay-prep command line option	--realm-new-name=<name> radosgw-admin command line option
--assume-role-policy-doc radosgw-admin command line option	--remote=<remote> radosgw-admin command line option
--auth-uid=auid radosgw-admin command line option	--remove ceph-deploy command line option
--block ceph command line option	--replica-log-type <logtypestr> radosgw-admin command line option
--bluestore command line option	--repo ceph-deploy command line option
--bucket-id=<bucket-id> radosgw-admin command line option	--repo-url ceph-deploy command line option
--bucket=bucket radosgw-admin command line option	--rgw-realm=<name> radosgw-admin command line option
--build --num_osds {num-osds} layer1 ... crushtool command line option	--rgw-region=region radosgw command line option
--bypass-gc radosgw-admin command line option	--rgw-socket-path=path radosgw command line option
--cache <pool> command line option	--rgw-zone=<zone> radosgw-admin command line option
--cap *subsystem* *capability* ceph-authtool command line option	--rgw-zone=zone radosgw command line option
--caps *capsfile* ceph-authtool command line option	--rgw-zonegroup=<name> radosgw-admin command line option
--caps=<caps> radosgw-admin command line option	--rm name monmaptool command line option
--categories=<list> radosgw-admin command line option	--role-name radosgw-admin command line option
--ceph-conf ceph-deploy command line option	--secret/--secret-key=<key> radosgw-admin command line option
--check-allows-journal ceph-osd command line option	--setgroup grouporgid ceph-mds command line option
--check-needs-journal ceph-osd command line option	ceph-mon command line option
--check-objects radosgw-admin command line option	ceph-osd command line option
--check-wants-journal ceph-osd command line option	--setuser userorgid ceph-mds command line option
--client_mountpoint/-r root_directory	ceph-mon command line option
	ceph-osd command line option
	--shard-id=<shard-id> radosgw-admin command line option
	--shared lock-tag rbid command line option
	--show-bad-mappings

ceph-fuse command line option
--clobber
monmaptool command line option
osdmactool command line option
--cluster
ceph-create-keys command line option
ceph-deploy command line option
--cluster CLUSTER
ceph command line option
--cluster cluster-name
rbd command line option
--cluster NAME
radosgw command line option
rbd-mirror command line option
--cluster-network
ceph-deploy command line option
--commit
radosgw-admin command line option
--compile|-c map.txt
crushtool command line option
--compression=<compression-algorithm>
radosgw-admin command line option
--concise
ceph command line option
--connect-timeout CLUSTER_TIMEOUT
ceph command line option
--create
monmaptool command line option
--createsimple numosd [--pgbits bitsperosd]
osdmactool command line option
--data-extra-pool=<pool>
radosgw-admin command line option
--data-pool=<pool>
radosgw-admin command line option
--date=yyyy-mm-dd
radosgw-admin command line option
--decompile|-d map
crushtool command line option
--deep
ceph-bluestore-tool command line option
--default
radosgw-admin command line option
--default INIT
ceph-detect-init command line option
--delay seconds
rbd-replay-many command line option
--dev
ceph-deploy command line option
--dev *device*
ceph-bluestore-tool command line option
--device *ggate device*
rbd-ggate command line option
--display-name=<name>
radosgw-admin command line option
--dmcrypt
ceph-deploy command line option
--dmcrypt-key-dir
ceph-deploy command line option
--dump-perf-counters
rbd-replay command line option
--email=email
radosgw-admin command line option
--end-date=yyyy-mm-dd
radosgw-admin command line option
--endpoints=<list>

crushtool command line option
--show-choose-tries
crushtool command line option
--show-log-entries=<flag>
radosgw-admin command line option
--show-log-sum=<flag>
radosgw-admin command line option
--show-mappings
crushtool command line option
--show-statistics
crushtool command line option
--show-utilization
crushtool command line option
--show-utilization-all
crushtool command line option
--skip-zero-entries
radosgw-admin command line option
--smallmds
command line option
--snap snap
rbd command line option
--source-zone
radosgw-admin command line option
--staging
radosgw-admin command line option
--start-date=yyyy-mm-dd
radosgw-admin command line option
--state=<state>
radosgw-admin command line option
--stripe-count num
rbd command line option
--stripe-unit size-in-B/K/M
rbd command line option
--striper
rados command line option
--subuser=<name>
radosgw-admin command line option
--syn workloadspec
ceph-syn command line option
--sync-from-all[=false]
radosgw-admin command line option
--sync-from-rm=[zone-name][,...]
radosgw-admin command line option
--sync-from=[zone-name][,...]
radosgw-admin command line option
--sync-stats
radosgw-admin command line option
--system
radosgw-admin command line option
--tags-add=<list>
radosgw-admin command line option
--tags-rm=<list>
radosgw-admin command line option
--tags=<list>
radosgw-admin command line option
--temp-url-key[-2]=<key>
radosgw-admin command line option
--tenant=<tenant>
radosgw-admin command line option
--test
crushtool command line option
--test-map-pgs [--pool poolid]
osdmactool command line option
--test-map-pgs-dump [--pool poolid]
osdmactool command line option

radosgw-admin command line option
--epoch=<number>
radosgw-admin command line option
--exclusive
rbd-ggate command line option
rbd-nbd command line option
--exec program
rbd-replay-many command line option
--export-crush mapfile
osdmapprootool command line option
--extra-info
radosgw-admin command line option
--filter-initial-members
monmaptool command line option
--filter-key *key*
ceph-conf command line option
--filter-key-value *key* ``=*value*
ceph-conf command line option
--fix
radosgw-admin command line option
--flush-journal
ceph-osd command line option
--format format
rbd command line option
--format=<format>
radosgw-admin command line option
--fs-type
ceph-deploy command line option
--fsid
ceph-deploy command line option
--fsid uuid
monmaptool command line option
--gen-access-key
radosgw-admin command line option
--gen-print-key
ceph-authtool command line option
--gen-secret
radosgw-admin command line option
--generate
monmaptool command line option
--get-cluster-fsid
ceph-osd command line option
--get-journal-fsid
ceph-osd command line option
--get-osd-fsid
ceph-osd command line option
--gpg-url
ceph-deploy command line option
--hot-standby <rank>
ceph-mds command line option
--id CLIENT_ID, --user CLIENT_ID
ceph command line option
--id username
rbd command line option
--image-feature feature-name
rbd command line option
--image-format format-id
rbd command line option
--image-prefix prefix
rbd-replay-many command line option
--image-shared
rbd command line option
--import-crush mapfile
osdmapprootool command line option
--import-keyring *secondkeyringfile*

--testing
ceph-deploy command line option
--tier-config-rm=<k>[,...]
radosgw-admin command line option
--tier-config=<k>=<v>[,...]
radosgw-admin command line option
--tier-type=<type>
radosgw-admin command line option
--uid=uid
radosgw-admin command line option
--use-rhceph
ceph-detect-init command line option
--username
ceph-deploy command line option
--valgrind[_{osd,mds,mon}] 'valgrind_toolname [args...]
command line option
--verbose
ceph command line option
ceph-detect-init command line option
rbd-replay-prep command line option
--vernum
librados-config command line option
--version
ceph-deploy command line option
librados-config command line option
--version, -v
ceph command line option
--warnings-only
radosgw-admin command line option
--watch-debug
ceph command line option
--watch-error
ceph command line option
--watch-info
ceph command line option
--watch-sec
ceph command line option
--watch-warn
ceph command line option
--whole-object
rbd command line option
--window seconds
rbd-replay-prep command line option
--yes-i-really-mean-it
radosgw-admin command line option
--zap-disk
ceph-deploy command line option
--zone-id=<id>
radosgw-admin command line option
--zone-new-name=<name>
radosgw-admin command line option
--zonegroup-id=<id>
radosgw-admin command line option
--zonegroup-new-name=<name>
radosgw-admin command line option
-a, --add-key *base64_key*
ceph-authtool command line option
-a, --arch
ceph-clsinfo command line option
-b block_size
rados command line option
-c *conffile*
ceph-conf command line option
-c ceph.conf
rbd-fuse command line option

ceph-authtool command line option
--inconsistent-index
radosgw-admin command line option
--index-pool=<pool>
radosgw-admin command line option
--infile
radosgw-admin command line option
--install
ceph-deploy command line option
--job-id
radosgw-admin command line option
--key-type=<type>
radosgw-admin command line option
--keyfile filename
rbd command line option
--keyring
ceph-mon command line option
--keyring filename
rbd command line option
--keyrings
ceph-deploy command line option
--latency-multiplier
rbd-replay command line option
--limit
rbd command line option
--local-mirror
ceph-deploy command line option
--log-level *num*
ceph-bluestore-tool command line option
--lookup *key*
ceph-conf command line option
--map-image rule
rbd-replay command line option
--master
ceph-deploy command line option
radosgw-admin command line option
--master-zone=<id>
radosgw-admin command line option
--max-buckets
radosgw-admin command line option
--max-concurrent-ios
radosgw-admin command line option
--max-objects
radosgw-admin command line option
--max-rewrite-size
radosgw-admin command line option
--max-size
radosgw-admin command line option
--max_part *limit*
rbd-nbd command line option
--memstore
command line option
--metadata-key=<key>
radosgw-admin command line option
--min-rewrite-size
radosgw-admin command line option
--min-rewrite-stripe-size
radosgw-admin command line option
--mkfs
ceph-deploy command line option
ceph-mon command line option
ceph-osd command line option
--mkjournal
ceph-osd command line option
--mkkey

rbd-nbd command line option
-c ceph.conf, --conf ceph.conf
rbd command line option
rbd-replay command line option
-c ceph.conf, --conf=ceph.conf
ceph command line option
ceph-debugpack command line option
ceph-fuse command line option
ceph-mds command line option
ceph-mon command line option
ceph-osd command line option
ceph-syn command line option
rados command line option
radosgw command line option
radosgw-admin command line option
rbd-mirror command line option
-C, --create-keyring
ceph-authtool command line option
-d
ceph-fuse command line option
ceph-mds command line option
ceph-mon command line option
ceph-osd command line option
ceph-syn command line option
radosgw command line option
rbd-mirror command line option
-d *description*, --description *description*
ceph-post-file command line option
-d, --debug
command line option
-f
ceph-fuse command line option
radosgw command line option
rbd-mirror command line option
-f {json,json-pretty,xml,xml-pretty,plain}, --format
ceph command line option
-f, --foreground
ceph-mds command line option
ceph-mon command line option
ceph-osd command line option
-g, --gen-key
ceph-authtool command line option
-h, --help
ceph-conf command line option
-i ID, --id ID
radosgw command line option
rbd-mirror command line option
-i infile
ceph command line option
rados command line option
-i ip_address
command line option
-i, --id
ceph-create-keys command line option
-k
command line option
-l, --list
ceph-authtool command line option
-L, --list-all-sections
ceph-conf command line option
-l, --list-sections *prefix*
ceph-conf command line option
-l, --localhost
command line option
-l, --log-file *log file*

ceph-osd command line option
--name *type.id*
ceph-conf command line option
--name CLIENT_NAME, -n CLIENT_NAME
ceph command line option
--nbds_max *limit*
rbd-nbd command line option
--no-adjust-repos
ceph-deploy command line option
--no-increasing
ceph command line option
--no-progress
rbd command line option
--no-ssh-copykey
ceph-deploy command line option
--nodaemon
command line option
--num-shards
radosgw-admin command line option
--num_client num
ceph-syn command line option
--object-size size-in-B/K/M
rbd command line option
--object=object
radosgw-admin command line option
--original-image name
rbd-replay-many command line option
--orphan-stale-secs
radosgw-admin command line option
--osd-data osddata
ceph-osd command line option
--osd-journal journal
ceph-osd command line option
--out-dir *dir*
ceph-bluestore-tool command line option
--output-csv
crushtool command line option
--output-name NAME
crushtool command line option
--overwrite-conf
ceph-deploy command line option
--path
radosgw-admin command line option
--path *osd path*
ceph-bluestore-tool command line option
--path-prefix
radosgw-admin command line option
--period=<id>
radosgw-admin command line option
--placement-id
radosgw-admin command line option
--placement-index-type=<type>
radosgw-admin command line option
--policy-doc
radosgw-admin command line option
--policy-name
radosgw-admin command line option
--pool=<pool>
radosgw-admin command line option
--pretty-format
rbd command line option
--print
monmaptool command line option
osdmaptool command line option
--public-network

ceph-bluestore-tool command line option
-m ip[:port]
command line option
-m monaddress[:port]
ceph-fuse command line option
ceph-mds command line option
ceph-osd command line option
ceph-syn command line option
rados command line option
radosgw command line option
radosgw-admin command line option
rbd command line option
rbd-mirror command line option
-n TYPE.ID, --name TYPE.ID
radosgw command line option
rbd-mirror command line option
-n, --name
ceph-clsinfo command line option
-n, --name *name*
ceph-authtool command line option
-n, --new
command line option
-o config
command line option
-o krbd-options, --options krbd-options
rbd command line option
-o opt,[opt...]
ceph-fuse command line option
-o outfile
ceph command line option
rados command line option
-p pool
rbd-fuse command line option
-p pool, --pool pool
rados command line option
rbd-replay command line option
-p pool-name, --pool pool-name
rbd command line option
-p, --print-key
ceph-authtool command line option
-r, --resolve-search
ceph-conf command line option
-s
ceph-fuse command line option
-s size-in-M/G/T, --size size-in-M/G/T
rbd command line option
-s snap, --snap snap
rados command line option
-s, --section
ceph-conf command line option
-s, --status
ceph command line option
-t
ceph-create-keys command line option
-u *user*
ceph-post-file command line option
-u, --set-uid *auid*
ceph-authtool command line option
-v, --verbose
ceph-create-keys command line option
-v, --version
ceph-clsinfo command line option
-w, --watch
ceph command line option
-X

ceph-deploy command line option	command line option
--purge-data	-x
radosgw-admin command line option	command line option
--purge-keys	
radosgw-admin command line option	

—

[__next__\(\) \(rados.ObjectIterator method\)](#)
[\(rados.XattrIterator method\)](#)

A

[aio_append\(\) \(rados.ioctx method\)](#)
[aio_discard\(\) \(rbd.Image method\)](#)
[aio_flush\(\) \(rados.ioctx method\)](#)
[\(rbd.Image method\)](#)
[aio_read\(\) \(rados.ioctx method\)](#)
[\(rbd.Image method\)](#)
[aio_write\(\) \(rados.ioctx method\)](#)
[\(rbd.Image method\)](#)
[aio_write_full\(\) \(rados.ioctx method\)](#)

architecture

- [Ceph Clients](#)
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B

block_name_prefix() (rbd.Image method)	bluefs-export
bluefs-bdev-expand --path *osd path*	ceph-bluestore-tool command line option
bluefs-bdev-sizes --path *osd path*	bluestore
ceph-bluestore-tool command line option	break_lock() (rbd.Image method)

C

can_run() (mgr_module.MgrModule static method)	ceph-deploy command line option
Ceph	--address
Ceph Block Device	--adjust-repos
OpenStack	--ceph-conf
QEMU KVM	--cluster
RBD Replay	--cluster-network
block device; RBD; Rados Block Device	--dev
cache options	--dmccrypt
discard trim and libvirt	--dmccrypt-key-dir
image management	--fs-type
introduction	--fsid
kernel module	--gpg-url
libvirt	--install

mirroring
snapshot layering
snapshots

Ceph Block Storage

Ceph Classes

Ceph Client

Ceph Client Libraries

Ceph Clients

Ceph Cluster Map

ceph command line option

--admin-daemon ADMIN_SOCKET, daemon
DAEMON_NAME
--admin-socket ADMIN_SOCKET_NOPE
--block
--cluster CLUSTER
--concise
--connect-timeout CLUSTER_TIMEOUT
--id CLIENT_ID, --user CLIENT_ID
--name CLIENT_NAME, -n CLIENT_NAME
--no-increasing
--verbose
--version, -v
--watch-debug
--watch-error
--watch-info
--watch-sec
--watch-warn
-c ceph.conf, --conf=ceph.conf
-f {json,json-pretty,xml,xml-pretty,plain}, --format
-i infile
-o outfile
-s, --status
-w, --watch

Ceph Filesystem

Ceph FS

Ceph Filesystem; libcephfs; MDS; metadata server; ceph-
mds

Ceph Interim Release

Ceph Kernel Modules

Ceph Manager

Ceph Metadata Server

Ceph Monitor

Paxos
bootstrapping monitors
capacity planning
clock
cluster map
configuring monitors
consistency
data path
initial members
leader
provider
requester
synchronization

Ceph Node

Ceph Object Gateway

Ceph Object Storage

Ceph Object Store

Ceph OSD

Ceph OSD Daemon

Ceph OSD Daemons

Ceph Platform

Ceph Point Release

Ceph Project

--keyrings
--local-mirror
--master
--mkfs
--no-adjust-repos
--no-ssh-copykey
--overwrite-conf
--public-network
--remove
--repo
--repo-url
--testing
--username
--version
--zap-disk

ceph-detect-init command line option

--default INIT
--use-rhceph
--verbose

ceph-fuse command line option

--client_mountpoint/-r root_directory
-c ceph.conf, --conf=ceph.conf
-d
-f
-m monaddress[:port]
-o opt,[opt...]
-s

ceph-mds command line option

--hot-standby <rank>
--setgroup grouporgid
--setuser userorgid
-c ceph.conf, --conf=ceph.conf
-d
-f, --foreground
-m monaddress[:port]

ceph-mon command line option

--keyring
--mkfs
--setgroup grouporgid
--setuser userorgid
-c ceph.conf, --conf=ceph.conf
-d
-f, --foreground

ceph-osd command line option

--check-allows-journal
--check-needs-journal
--check-wants-journal
--flush-journal
--get-cluster-fsid
--get-journal-fsid
--get-osd-fsid
--mkfs
--mkjournal
--mkkey
--osd-data osddata
--osd-journal journal
--setgroup grouporgid
--setuser userorgid
-c ceph.conf, --conf=ceph.conf
-d
-f, --foreground
-m monaddress[:port]

ceph-post-file command line option

-d *description*, --description *description*
-u *user*

Ceph Protocol

Ceph Release

Ceph Release Candidate

Ceph service

Upstart; operating a cluster

sysvinit; operating a cluster

Ceph Stable Release

Ceph Stack

Ceph Storage Cluster

capacity planning

Ceph System

Ceph Test Framework

ceph-authtool command line option

--cap *subsystem* *capability*

--caps *capsfile*

--gen-print-key

--import-keyring *secondkeyringfile*

-C, --create-keyring

-a, --add-key *base64_key*

-g, --gen-key

-l, --list

-n, --name *name*

-p, --print-key

-u, --set-uid *auid*

ceph-bluestore-tool command line option

--deep

--dev *device*

--log-level *num*

--out-dir *dir*

--path *osd path*

-l, --log-file *log file*

bluefs-bdev-expand --path *osd path*

bluefs-bdev-sizes --path *osd path*

bluefs-export

fsck

help

repair

show-label --dev *device* [...]

ceph-clsinfo command line option

-a, --arch

-n, --name

-v, --version

ceph-conf command line option

--filter-key *key*

--filter-key-value *key* ``=`` *value*

--lookup *key*

--name *type.id*

-L, --list-all-sections

-c *conffile*

-h, --help

-l, --list-sections *prefix*

-r, --resolve-search

-s, --section

ceph-create-keys command line option

--cluster

-i, --id

-t

-v, --verbose

ceph-debugpack command line option

-c ceph.conf, --conf=ceph.conf

ceph-dencoder command line option

count_tests

decode

dump_json

encode

ceph-syn command line option

--num_client num

--syn workloadspec

-c ceph.conf, --conf=ceph.conf

-d

-m monaddress[:port]

ceph.conf=/etc/ceph/foo.conf

mount.fuse.ceph command line option

ceph.id=<username>

mount.fuse.ceph command line option

ceph.name=client.admin

mount.fuse.ceph command line option

CephFS

cephx

change_auid() (rados.ioctx method)

clone() (rbd.RBD method)

close() (rados.ioctx method)

(rbd.Image method)

Cloud Platforms

Cloud Stacks

cluster map

command line option

--bluestore

--cache <pool>

--memstore

--nodaemon

--smallmds

--valgrind[_{osd,mds,mon}] 'valgrind_toolname [args...]'

-X

-d, --debug

-i ip_address

-k

-l, --localhost

-m ip[:port]

-n, --new

-o config

-x

commands

conf_get() (rados.Rados method)

conf_parse_argv() (rados.Rados method)

conf_read_file() (rados.Rados method)

conf_set() (rados.Rados method)

connect() (rados.Rados method)

control

copy() (rbd.Image method)

count_tests

ceph-dencoder command line option

create() (rbd.RBD method)

create_pool() (rados.Rados method)

create_snap() (rbd.Image method)

create_timestamp() (rbd.Image method)

CRUSH

architecture

CRUSH rule

crushtool command line option

--build --num_osds {num-osds} layer1 ...

--compile|-c map.txt

--decompile|-d map

--output-csv

--output-name NAME

--show-bad-mappings

--show-choose-tries

--show-mappings

--show-statistics

--show-utilization

export <file>
get_features
import <file>
list_types
select_test <n>
set_features <f>
skip <bytes>
type <name>
version

--show-utilization-all
--test

D

decode

ceph-dencoder command line option

deep_copy() (rbd.Image method)

delete_pool() (rados.Rados method)

diff_iterate() (rbd.Image method)

discard() (rbd.Image method)

dump_json

ceph-dencoder command line option

E

encode

ceph-dencoder command line option

erasure coding

export <file>

ceph-dencoder command line option

Extensibility

F

features() (rbd.Image method)

filestore

btrfs

extended attributes

flusher

journal

queue

synchronization

timeouts

flags() (rbd.Image method)

flatten() (rbd.Image method)

flush() (rbd.Image method)

fsck

ceph-bluestore-tool command line option

G

get() (mgr_module.MgrModule method)

get_cluster_stats() (rados.Rados method)

get_counter() (mgr_module.MgrModule method)

get_features

ceph-dencoder command line option

get_fsid() (rados.Rados method)

get_last_version() (rados.ioctx method)

get_metadata() (mgr_module.MgrModule method)

get_server() (mgr_module.MgrModule method)

get_snap_limit() (rbd.Image method)

get_snap_timestamp() (rbd.Image method)

get_stats() (rados.ioctx method)

get_xattr() (rados.Object method)

(rados.Object method)

get_xattrs() (rados.ioctx method)

(rados.Object method)

group() (rbd.Image method)

group_create() (rbd.RBD method)

group_list() (rbd.RBD method)

group_remove() (rbd.RBD method)

group_rename() (rbd.RBD method)

H

have_mon_connection() (mgr_module.MgrModule method)

heartbeat, [1]

heartbeat interval

help

ceph-bluestore-tool command line option

high availability

monitor architecture

quorum

Host

I

`id()` (rbd.Image method)

`Image` (class in rbd)

`import <file>`

`ceph-dencoder` command line option

`invalidate_cache()` (rbd.Image method)

`is_exclusive_lock_owner()` (rbd.Image method)

`is_protected_snap()` (rbd.Image method)

J

`journal`

`journal` configuration

K

`keys`

`keyring`

L

`librados`

`librados-config` command line option

`--vernum`

`--version`

`LibRGWFS` (class in rgw)

`list()` (rbd.RBD method)

`list_children()` (rbd.Image method)

`list_children2()` (rbd.Image method)

`list_lockers()` (rbd.Image method)

`list_objects()` (rados.ioctx method)

`list_pools()` (rados.Rados method)

`list_servers()` (mgr_module.MgrModule method)

`list_snaps()` (rbd.Image method)

`list_types`

`ceph-dencoder` command line option

`lock_acquire()` (rbd.Image method)

`lock_break()` (rbd.Image method)

`lock_exclusive()` (rbd.Image method)

`lock_get_owners()` (rbd.Image method)

`lock_release()` (rbd.Image method)

`lock_shared()` (rbd.Image method)

LVM tags

M

MDS

`metadata_get()` (rbd.Image method)

`metadata_list()` (rbd.Image method)

`metadata_remove()` (rbd.Image method)

`metadata_set()` (rbd.Image method)

MGR

`mirror_image_demote()` (rbd.Image method)

`mirror_image_disable()` (rbd.Image method)

`mirror_image_enable()` (rbd.Image method)

`mirror_image_get_info()` (rbd.Image method)

`mirror_image_get_status()` (rbd.Image method)

`mirror_image_promote()` (rbd.Image method)

`mirror_image_resync()` (rbd.Image method)

`mirror_image_status_list()` (rbd.RBD method)

`mirror_image_status_summary()` (rbd.RBD method)

`mirror_mode_get()` (rbd.RBD method)

`mirror_mode_set()` (rbd.RBD method)

`mirror_peer_add()` (rbd.RBD method)

`mirror_peer_list()` (rbd.RBD method)

`mirror_peer_remove()` (rbd.RBD method)

`mirror_peer_set_client()` (rbd.RBD method)

`mirror_peer_set_cluster()` (rbd.RBD method)

MON

`monitor`

`monitor` heartbeat

`monmaptool` command line option

`--add` name ip:port

`--clobber`

`--create`

`--filter-initial-members`

`--fsid` uuid

`--generate`

`--print`

`--rm` name

`mount.fuse.ceph` command line option

`ceph.conf=/etc/ceph/foo.conf`

`ceph.id=<username>`

`ceph.name=client.admin`

N

Node

Object Storage Device

object-size

rbd command line option

old_format() (rbd.Image method)

op_features() (rbd.Image method)

open_ioctx() (rados.Rados method)

OSD

backfilling

config settings

configuration

file system

journal settings

operations settings

osdmap

recovery

scrubbing

OSD down report

OSD fsid

OSD heartbeat

OSD id

OSD status

OSD uuid

osdmapprool command line option

--clobber

--createsimple numosd [--pgbits bitsperosd]

--export-crush mapfile

--import-crush mapfile

--print

--test-map-pgs [--pool poolid]

--test-map-pgs-dump [--pool poolid]

overlap() (rbd.Image method)

parent_id() (rbd.Image method)

parent_info() (rbd.Image method)

peering failure

Pool

pool_exists() (rados.Rados method)

Pools

pools

CloudStack

OpenStack

configuration

protect_snap() (rbd.Image method)

Python Enhancement Proposals

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RADOS

Rados (class in rados)

RADOS Cluster

rados command line option

--striper

-b block_size

-c ceph.conf, --conf=ceph.conf

-i infile

-m monaddress[:port]

-o outfile

-p pool, --pool pool

-s snap, --snap snap

RADOS Gateway

rados_aio_append (C function)

rados_aio_cancel (C function)

rados_aio_cmptext (C function)

rados_aio_create_completion (C function)

rados_aio_exec (C function)

rados_aio_flush (C function)

rados_aio_flush_async (C function)

rados_aio_get_return_value (C function)

rados_aio_get_version (C function)

rados_aio_getxattr (C function)

rados_aio_getxattrs (C function)

rados_aio_ioctx_selfmanaged_snap_create (C function)

rados_aio_ioctx_selfmanaged_snap_remove (C function)

rados_aio_is_complete (C function)

rados_aio_is_complete_and_cb (C function)

rados_aio_is_safe (C function)

rados_aio_is_safe_and_cb (C function)

rados_aio_notify (C function)

rados_write_op_omap_clear (C function)

rados_write_op_omap_cmp (C function)

rados_write_op_omap_rm_keys (C function)

rados_write_op_omap_set (C function)

rados_write_op_operate (C function)

rados_write_op_operate2 (C function)

rados_write_op_remove (C function)

rados_write_op_rmxattr (C function)

rados_write_op_set_alloc_hint (C function)

rados_write_op_set_alloc_hint2 (C function)

rados_write_op_set_flags (C function)

rados_write_op_setxattr (C function)

rados_write_op_truncate (C function)

rados_write_op_write (C function)

rados_write_op_write_full (C function)

rados_write_op_writesame (C function)

rados_write_op_zero (C function)

rados_writesame (C function)

radosgw command line option

--cluster NAME

--rgw-region=region

--rgw-socket-path=path

--rgw-zone=zone

-c ceph.conf, --conf=ceph.conf

-d

-f

-i ID, --id ID

-m monaddress[:port]

-n TYPE.ID, --name TYPE.ID

radosgw-admin command line option

--access-key=<key>

rados_aio_read (C function)
rados_aio_read_op_operate (C function)
rados_aio_release (C function)
rados_aio_remove (C function)
rados_aio_rmxattr (C function)
rados_aio_setxattr (C function)
rados_aio_stat (C function)
rados_aio_unlock (C function)
rados_aio_unwatch (C function)
rados_aio_wait_for_complete (C function)
rados_aio_wait_for_complete_and_cb (C function)
rados_aio_wait_for_safe (C function)
rados_aio_wait_for_safe_and_cb (C function)
rados_aio_watch (C function)
rados_aio_watch2 (C function)
rados_aio_watch_flush (C function)
rados_aio_write (C function)
rados_aio_write_full (C function)
rados_aio_write_op_operate (C function)
rados_aio_writesame (C function)
rados_append (C function)
rados_application_enable (C function)
rados_application_list (C function)
rados_application_metadata_get (C function)
rados_application_metadata_list (C function)
rados_application_metadata_remove (C function)
rados_application_metadata_set (C function)
rados_blacklist_add (C function)
rados_break_lock (C function)
rados_buffer_free (C function)
rados_cache_pin (C function)
rados_cache_unpin (C function)
rados_cct (C function)
rados_checksum (C function)
rados_cluster_fsid (C function)
rados_cluster_stat (C function)
rados_cmpext (C function)
rados_conf_get (C function)
rados_conf_parse_argv (C function)
rados_conf_parse_argv_remainder (C function)
rados_conf_parse_env (C function)
rados_conf_read_file (C function)
rados_conf_set (C function)
rados_connect (C function)
rados_create (C function)
rados_create2 (C function)
rados_create_read_op (C function)
rados_create_with_context (C function)
rados_create_write_op (C function)
rados_exec (C function)
rados_get_instance_id (C function)
rados_get_last_version (C function)
rados_get_min_compatible_client (C function)
rados_getxattr (C function)
rados_getxattrs (C function)
rados_getxattrs_end (C function)
rados_getxattrs_next (C function)
rados_inconsistent_pg_list (C function)
rados_ioctx_cct (C function)
rados_ioctx_create (C function)
rados_ioctx_create2 (C function)
rados_ioctx_destroy (C function)
rados_ioctx_get_cluster (C function)
rados_ioctx_get_id (C function)
rados_ioctx_get_pool_name (C function)

--access=<access>
--admin
--assume-role-policy-doc
--auth-uid=auid
--bucket-id=<bucket-id>
--bucket=bucket
--bypass-gc
--caps=<caps>
--categories=<list>
--check-objects
--commit
--compression=<compression-algorithm>
--data-extra-pool=<pool>
--data-pool=<pool>
--date=yyyy-mm-dd
--default
--display-name=<name>
--email=email
--end-date=yyyy-mm-dd
--endpoints=<list>
--epoch=<number>
--extra-info
--fix
--format=<format>
--gen-access-key
--gen-secret
--inconsistent-index
--index-pool=<pool>
--infile
--job-id
--key-type=<type>
--master
--master-zone=<id>
--max-buckets
--max-concurrent-ios
--max-objects
--max-rewrite-size
--max-size
--metadata-key=<key>
--min-rewrite-size
--min-rewrite-stripe-size
--num-shards
--object=object
--orphan-stale-secs
--path
--path-prefix
--period=<id>
--placement-id
--placement-index-type=<type>
--policy-doc
--policy-name
--pool=<pool>
--purge-data
--purge-keys
--purge-objects
--quota-scope
--read-only
--realm-id=<id>
--realm-new-name=<name>
--remote=<remote>
--replica-log-type <logtypestr>
--rgw-realm=<name>
--rgw-zone=<zone>
--rgw-zonegroup=<name>
--role-name

rados_ioctx_locator_set_key (C function)
rados_ioctx_pool_get_auid (C function)
rados_ioctx_pool_required_alignment (C function)
rados_ioctx_pool_required_alignment2 (C function)
rados_ioctx_pool_requires_alignment (C function)
rados_ioctx_pool_requires_alignment2 (C function)
rados_ioctx_pool_set_auid (C function)
rados_ioctx_pool_stat (C function)
rados_ioctx_selfmanaged_snap_create (C function)
rados_ioctx_selfmanaged_snap_remove (C function)
rados_ioctx_selfmanaged_snap_rollback (C function)
rados_ioctx_selfmanaged_snap_set_write_ctx (C function)
rados_ioctx_set_namespace (C function)
rados_ioctx_snap_create (C function)
rados_ioctx_snap_get_name (C function)
rados_ioctx_snap_get_stamp (C function)
rados_ioctx_snap_list (C function)
rados_ioctx_snap_lookup (C function)
rados_ioctx_snap_remove (C function)
rados_ioctx_snap_rollback (C function)
rados_ioctx_snap_set_read (C function)
rados_list_lockers (C function)
rados_lock_exclusive (C function)
rados_lock_shared (C function)
rados_mgr_command (C function)
rados_mon_command (C function)
rados_mon_command_target (C function)
rados_monitor_log (C function)
rados_monitor_log2 (C function)
rados_nobjects_list_close (C function)
rados_nobjects_list_get_cursor (C function)
rados_nobjects_list_get_pg_hash_position (C function)
rados_nobjects_list_next (C function)
rados_nobjects_list_open (C function)
rados_nobjects_list_seek (C function)
rados_nobjects_list_seek_cursor (C function)
rados_notify (C function)
rados_notify2 (C function)
rados_notify_ack (C function)
rados_object_list (C function)
rados_object_list_begin (C function)
rados_object_list_cursor_cmp (C function)
rados_object_list_cursor_free (C function)
rados_object_list_end (C function)
rados_object_list_free (C function)
rados_object_list_is_end (C function)
rados_object_list_slice (C function)
rados_objects_list_close (C function)
rados_objects_list_get_pg_hash_position (C function)
rados_objects_list_next (C function)
rados_objects_list_open (C function)
rados_objects_list_seek (C function)
rados_omap_get_end (C function)
rados_omap_get_next (C function)
rados_osd_command (C function)
rados_pg_command (C function)
rados_ping_monitor (C function)
rados_pool_create (C function)
rados_pool_create_with_all (C function)
rados_pool_create_with_auid (C function)
rados_pool_create_with_crush_rule (C function)
rados_pool_delete (C function)
rados_pool_get_base_tier (C function)
rados_pool_list (C function)
rados_pool_lookup (C function)

--secret/--secret-key=<key>
--shard-id=<shard-id>
--show-log-entries=<flag>
--show-log-sum=<flag>
--skip-zero-entries
--source-zone
--staging
--start-date=yyyy-mm-dd
--state=<state>
--subuser=<name>
--sync-from-all[=false]
--sync-from-rm=[zone-name][,...]
--sync-from=[zone-name][,...]
--sync-stats
--system
--tags-add=<list>
--tags-rm=<list>
--tags=<list>
--temp-url-key[-2]=<key>
--tenant=<tenant>
--tier-config-rm=<k>[,...]
--tier-config=<k>=<v>[,...]
--tier-type=<type>
--uid=uid
--warnings-only
--yes-i-really-mean-it
--zone-id=<id>
--zone-new-name=<name>
--zonegroup-id=<id>
--zonegroup-new-name=<name>
-c ceph.conf, --conf=ceph.conf
-m monaddress[:port]

RBD

(class in rbd)

rbd (module)

rbd command line option

--cluster cluster-name
--format format
--id username
--image-feature feature-name
--image-format format-id
--image-shared
--keyfile filename
--keyring filename
--limit
--no-progress
--object-size size-in-B/K/M
--pretty-format
--read-only
--shared lock-tag
--snap snap
--stripe-count num
--stripe-unit size-in-B/K/M
--whole-object
-c ceph.conf, --conf ceph.conf
-m monaddress[:port]
-o krbd-options, --options krbd-options
-p pool-name, --pool pool-name
-s size-in-M/G/T, --size size-in-M/G/T
object-size
stripe_count
stripe_unit

rbd-fuse command line option

-c ceph.conf
-p pool

rados_pool_reverse_lookup (C function)
 rados_read (C function)
 rados_read_op_assert_exists (C function)
 rados_read_op_assert_version (C function)
 rados_read_op_checksum (C function)
 rados_read_op_cmpext (C function)
 rados_read_op_cmpxattr (C function)
 rados_read_op_exec (C function)
 rados_read_op_exec_user_buf (C function)
 rados_read_op_getxattrs (C function)
 rados_read_op_omap_cmp (C function)
 rados_read_op_omap_get_keys (C function)
 rados_read_op_omap_get_keys2 (C function)
 rados_read_op_omap_get_vals (C function)
 rados_read_op_omap_get_vals2 (C function)
 rados_read_op_omap_get_vals_by_keys (C function)
 rados_read_op_operate (C function)
 rados_read_op_read (C function)
 rados_read_op_set_flags (C function)
 rados_read_op_stat (C function)
 rados_release_read_op (C function)
 rados_release_write_op (C function)
 rados_remove (C function)
 rados_rmxattr (C function)
 rados_rollback (C function)
 rados_service_register (C function)
 rados_service_update_status (C function)
 rados_set_alloc_hint (C function)
 rados_set_alloc_hint2 (C function)
 rados_set_osdmap_full_try (C function)
 rados_setxattr (C function)
 rados_shutdown (C function)
 rados_stat (C function)
 rados_tmap_get (C function)
 rados_tmap_put (C function)
 rados_tmap_update (C function)
 rados_trunc (C function)
 rados_unlock (C function)
 rados_unset_osdmap_full_try (C function)
 rados_unwatch (C function)
 rados_unwatch2 (C function)
 rados_version (C function)
 rados_wait_for_latest_osdmap (C function)
 rados_watch (C function)
 rados_watch2 (C function)
 rados_watch3 (C function)
 rados_watch_check (C function)
 rados_watch_flush (C function)
 rados_write (C function)
 rados_write_full (C function)
 rados_write_op_append (C function)
 rados_write_op_assert_exists (C function)
 rados_write_op_assert_version (C function)
 rados_write_op_cmpext (C function)
 rados_write_op_cmpxattr (C function)
 rados_write_op_create (C function)
 rados_write_op_exec (C function)

rbid-ggate command line option

--device *ggate device*
 --exclusive
 --read-only

rbid-mirror command line option

--cluster NAME
 -c ceph.conf, --conf=ceph.conf
 -d
 -f
 -i ID, --id ID
 -m monaddress[:port]
 -n TYPE.ID, --name TYPE.ID

rbid-nbd command line option

--exclusive
 --max_part *limit*
 --nbds_max *limit*
 --read-only
 -c ceph.conf

rbid-replay command line option

--dump-perf-counters
 --latency-multiplier
 --map-image rule
 --read-only
 -c ceph.conf, --conf ceph.conf
 -p pool, --pool pool

rbid-replay-many command line option

--delay seconds
 --exec program
 --image-prefix prefix
 --original-image name

rbid-replay-prep command line option

--anonymize
 --verbose
 --window seconds

read() (rados.ioctx method)

(rados.Object method)

(rbd.Image method)

rebuild_object_map() (rbd.Image method)

Reliable Autonomic Distributed Object Store

remove() (rados.Object method)

(rbd.RBD method)

remove_object() (rados.ioctx method)

remove_snap() (rbd.Image method)

remove_snap2() (rbd.Image method)

remove_snap_limit() (rbd.Image method)

rename() (rbd.RBD method)

rename_snap() (rbd.Image method)

repair

ceph-bluestore-tool command line option

require_ioctx_open() (rados.ioctx method)

require_state() (rados.Rados method)

resize() (rbd.Image method)

RGW

rgw (module)

rm_xattr() (rados.ioctx method)

(rados.Object method)

rollback_to_snap() (rbd.Image method)

S

scalability

select_test <n>

ceph-dencoder command line option

send_command() (mgr_module.MgrModule method)

skip <bytes>

ceph-dencoder command line option

snap_get_group_namespace() (rbd.Image method)

snap_get_namespace_type() (rbd.Image method)

set_features <f>
 ceph-dencoder command line option
set_locator_key() (rados.ioctx method)
set_snap() (rbd.Image method)
set_snap_limit() (rbd.Image method)
set_xattr() (rados.ioctx method)
 (rados.Object method)
show-label --dev *device* [...]
 ceph-bluestore-tool command line option
shutdown() (rados.Rados method)
 (rgw.LibRGWFS method)
signatures
size() (rbd.Image method)

SnapshotIterator (class in rbd)
stat() (rados.ioctx method)
 (rados.Object method)
 (rbd.Image method)
stripe_count
 rbd command line option
stripe_count() (rbd.Image method)
stripe_unit
 rbd command line option
stripe_unit() (rbd.Image method)
systemd
 operating a cluster
systemd oneshot

T

Teuthology

trash_get() (rbd.RBD method)
trash_list() (rbd.RBD method)
trash_move() (rbd.RBD method)

trash_remove() (rbd.RBD method)
trash_restore() (rbd.RBD method)
trunc() (rados.ioctx method)
type <name>
 ceph-dencoder command line option

U

unlock() (rbd.Image method)

unprotect_snap() (rbd.Image method)
update_features() (rbd.Image method)

V

version

 ceph-dencoder command line option

version() (rados.Rados method)
 (rbd.RBD method)
 (rgw.LibRGWFS method)

W

watchers_list() (rbd.Image method)
write() (rados.ioctx method)
 (rados.Object method)
 (rbd.Image method)

write_full() (rados.ioctx method)