

RADOS GATEWAY CONFIGURATION REFERENCE

The following settings may be added to the `ceph.conf` file under the `[client.radosgw.gateway]` section. The settings may contain default values. If you do not specify each setting in `ceph.conf`, the default value will be set automatically.

rgw data

Description: Sets the location of the data files for RADOS Gateway.
Type: String
Default: `/var/lib/ceph/radosgw/$cluster-$id`

rgw cache enabled

Description: Whether the RADOS Gateway cache is enabled.
Type: Boolean
Default: `true`

rgw cache lru size

Description: The number of entries in the RADOS Gateway cache.
Type: Integer
Default: `10000`

rgw socket path

Description: The socket path for the domain socket. `FastCgiExternalServer` uses this socket. If you do not specify a socket path, RADOS Gateway will not run as an external server. The path you specify here must be the same as the path specified in the `rgw.conf` file.
Type: String
Default: `N/A`

rgw dns name

Description: The DNS name of the served domain.
Type: String
Default: `None`

rgw swift url

Description: The URL for the RADOS Gateway Swift API.
Type: String
Default: `None`

rgw swift url prefix

Description: The URL prefix for the Swift API.
Default: `swift`
Example: `http://fqdn.com/swift`

rgw enforce swift acls

Description: Enforces the Swift Access Control List (ACL) settings.
Type: Boolean
Default: `true`

rgw print continue

Description: Enable 100-continue if it is operational.
Type: Boolean
Default: `true`

rgw remote addr param

Description: The remote address parameter. For example, the HTTP field containing the remote address, or the X-Forwarded-For address if a reverse proxy is operational.

Type: String

Default: REMOTE_ADDR

rgw op thread timeout

Description: The timeout in seconds for open threads.

Type: Integer

Default: 600

rgw op thread suicide timeout

Description: The time timeout in seconds before a RADOS Gateway process dies. Disabled if set to 0.

Type: Integer

Default: 0

rgw thread pool size

Description: The size of the thread pool.

Type: Integer

Default: 100 threads.

rgw num control oids

Description: The number of notification objects used for cache synchronization between different rgw instances.

Type: Integer

Default: 8

rgw log nonexistent bucket

Description: Enables RADOS Gateway to log a request for a non-existent bucket.

Type: Boolean

Default: false

rgw log object name

Description: The logging format for an object name. See manpage *date* for details about format specifiers.

Type: Date

Default: %Y-%m-%d-%H-%i-%n

rgw log object name utc

Description: Whether a logged object name includes a UTC time. If false, it uses the local time.

Type: Boolean

Default: false

rgw usage max shards

Description: The maximum number of shards for usage logging.

Type: Integer

Default: 32

rgw usage max user shards

Description: The maximum number of shards used for a single user's usage logging.

Type: Integer

Default: 1

rgw enable ops log

Description: Enable logging for RGW operations.

Type: Boolean

Default: false

rgw enable usage log

Description: Enable the usage log.
Type: Boolean
Default: false

rgw usage log flush threshold

Description: The number of dirty merged entries in the usage log before flushing synchronously.
Type: Integer
Default: 1024

rgw usage log tick interval

Description: Flush pending usage log data every n seconds.
Type: Integer
Default: 30

rgw intent log object name

Description: The logging format for the intent log object name. See manpage *date* for details about format specifiers.
Type: Date
Default: %Y-%m-%d-%i-%n

rgw intent log object name utc

Description: Whether the intent log object name includes a UTC time. If false, it uses the local time.
Type: Boolean
Default: false

rgw init timeout

Description: The number of seconds before RGW gives up on initialization.
Type: Integer
Default: 30

rgw mime types file

Description: The path and location of the MIME types. Used for Swift auto-detection of object types.
Type: String
Default: /etc/mime.types

rgw resolve cname

Description: Whether rgw should use DNS CNAME record of the request hostname field (if hostname is not equal to rgw dns name).
Type: Boolean
Default: false

rgw enable ops log

Description: Whether rgw will log each successful operation
Type: Boolean
Default: true

rgw ops log rados

Description: Whether rgw operations logging should be written into the RADOS backend.
Type: Boolean
Default: true

rgw ops log socket path

Description: The path of a UNIX domain socket to which operations logging data will be written.

Type: String
Default: N/A

rgw ops log data backlog

Description: Total backlog data size for UNIX domain socket operations logging.
Type: Integer
Default: 5ul << 20

rgw extended http attrs

Description: Add new set of attributes that could be set on an object. These extra attributes can be set through HTTP header fields when putting the objects. If set, these attributes will return as HTTP fields when doing GET/HEAD on the object.
Type: String
Default: N/A
Example: "content_foo, content_bar"

rgw cluster root pool

Description: RADOS pool to store radosgw metadata for this instance.
Type: String
Required: No
Default: .rgw.root

rgw gc max objs

Description: Number of objects to collect garbage collection data.
Type: 32-bit Integer
Default: 32

rgw gc obj min wait

Description: Minimum time to wait before object's removal and its processing by the garbage collector.
Type: 32-bit Integer
Default: 2 hours. 2*60*60

rgw gc processor max time

Description: Max time for a single garbage collection process run.
Type: 32-bit Integer
Default: 1 hour. 60*60

rgw gc processor max period

Description: Max time between the beginning of two consecutive garbage collection processes run.
Type: 32-bit Integer
Default: 1 hour. 60*60