RADOS GATEWAY CONFIGURATION REFERENCE

The following settings may 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. Disbled 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: true

```
rgw enable usage log
```

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

```
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