

CLIENT CONFIG REFERENCE

client acl type

Description: Set the ACL type. Currently, only possible value is "posix_acl" to enable POSIX ACL, or an empty string. This option only takes effect when the fuse_default_permissions is set to false.

Type: String

Default: "" (no ACL enforcement)

client cache mid

Description: Set client cache midpoint. The midpoint splits the least recently used lists into a hot and warm list.

Type: Float

Default: 0.75

client cache size

Description: Set the number of inodes that the client keeps in the metadata cache.

Type: Integer

Default: 16384

client caps release delay

Description: Set the delay between capability releases in seconds. The delay sets how many seconds a client waits to release capabilities that it no longer needs in case the capabilities are needed for another user space operation.

Type: Integer

Default: 5 (seconds)

client debug force sync read

Description: If set to true, clients read data directly from OSDs instead of using a local page cache.

Type: Boolean

Default: false

client dirsize rbytes

Description: If set to true, use the recursive size of a directory (that is, total of all descendants).

Type: Boolean

Default: true

client max inline size

Description: Set the maximum size of inlined data stored in a file inode rather than in a separate data object in RADOS. This setting only applies if the inline_data flag is set on the MDS map.

Type: Integer

Default: 4096

client metadata

Description: Comma-delimited strings for client metadata sent to each MDS, in addition to the automatically generated version, host name, and other metadata.

Type: String

Default: "" (no additional metadata)

client mount gid

Description: Set the group ID of CephFS mount.

Type: Integer

Default: -1

client mount timeout

Description: Set the timeout for CephFS mount in seconds.
Type: Float
Default: 300.0

client mount uid

Description: Set the user ID of CephFS mount.
Type: Integer
Default: -1

client mountpoint

Description: Directory to mount on the CephFS file system. An alternative to the -r option of the ceph-fuse command.
Type: String
Default: "/"

client oc

Description: Enable object caching.
Type: Boolean
Default: true

client oc max dirty

Description: Set the maximum number of dirty bytes in the object cache.
Type: Integer
Default: 104857600 (100MB)

client oc max dirty age

Description: Set the maximum age in seconds of dirty data in the object cache before writeback.
Type: Float
Default: 5.0 (seconds)

client oc max objects

Description: Set the maximum number of objects in the object cache.
Type: Integer
Default: 1000

client oc size

Description: Set how many bytes of data will the client cache.
Type: Integer
Default: 209715200 (200 MB)

client oc target dirty

Description: Set the target size of dirty data. We recommend to keep this number low.
Type: Integer
Default: 8388608 (8MB)

client permissions

Description: Check client permissions on all I/O operations.
Type: Boolean
Default: true

client quota

Description: Enable client quota checking if set to true.
Type: Boolean
Default: true

client quota df

Description: Report root directory quota for the statfs operation.
Type: Boolean
Default: true

client readahead max bytes

Description: Set the maximum number of bytes that the client reads ahead for future read operations. Overridden by the `client_readahead_max_periods` setting.
Type: Integer
Default: 0 (unlimited)

client readahead max periods

Description: Set the number of file layout periods (object size * number of stripes) that the client reads ahead. Overrides the `client_readahead_max_bytes` setting.
Type: Integer
Default: 4

client readahead min

Description: Set the minimum number bytes that the client reads ahead.
Type: Integer
Default: 131072 (128KB)

client reconnect stale

Description: Automatically reconnect stale session.
Type: Boolean
Default: false

client snapdir

Description: Set the snapshot directory name.
Type: String
Default: ".snap"

client tick interval

Description: Set the interval in seconds between capability renewal and other upkeep.
Type: Float
Default: 1.0 (seconds)

client use random mds

Description: Choose random MDS for each request.
Type: Boolean
Default: false

fuse default permissions

Description: When set to false, ceph-fuse utility checks does its own permissions checking, instead of relying on the permissions enforcement in FUSE. Set to false together with the `client_acl_type=posix_acl` option to enable POSIX ACL.
Type: Boolean
Default: true

DEVELOPER OPTIONS

Important: These options are internal. They are listed here only to complete the list of options.

client debug getattr caps

Description: Check if the reply from the MDS contains required capabilities.
Type: Boolean
Default: false

client debug inject tick delay

Description: Add artificial delay between client ticks.
Type: Integer
Default: 0

client inject fixed oldest tid

Description:
Type: Boolean
Default: false

client inject release failure

Description:
Type: Boolean
Default: false

client trace

Description: The path to the trace file for all file operations. The output is designed to be used by the Ceph **synthetic client**.
Type: String
Default: "" (disabled)