
CEPHFS DELAYED DELETION

When you delete a file, the data is not immediately removed. Each object in the file needs to be removed independently, and sending $\text{size_of_file} / \text{stripe_size} * \text{replication_count}$ messages would slow the client down too much, and use a too much of the clients bandwidth. Additionally, snapshots may mean some objects should not be deleted.

Instead, the file is marked as deleted on the MDS, and deleted lazily.