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## 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.