← bucket

Object 1

versioning area

v1

v2
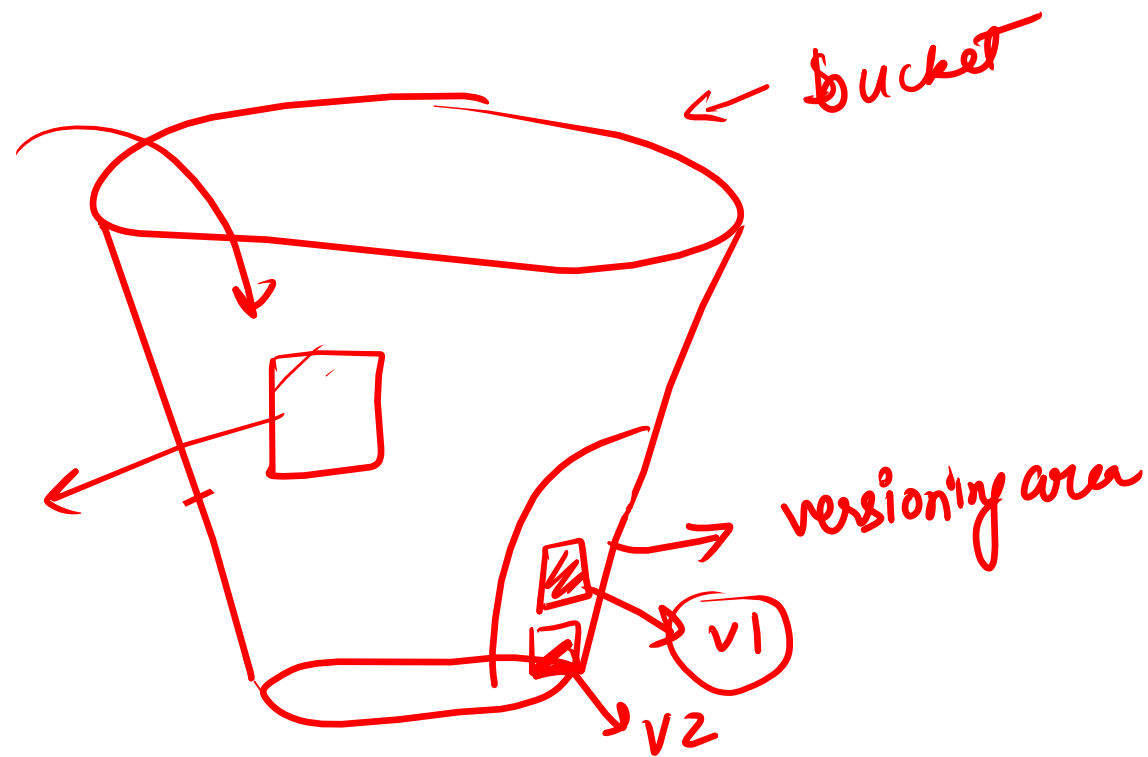
Object versioning &

Lifecycle Rules

To support retrival of objects that are deleted or replaced, cloud storage offers object versioning features.

Once enable object versioning :-

→ Cloud storage retains a non current object version. Each time you replace or delete a live object ⇒ you can easily restore the original object via versioning.

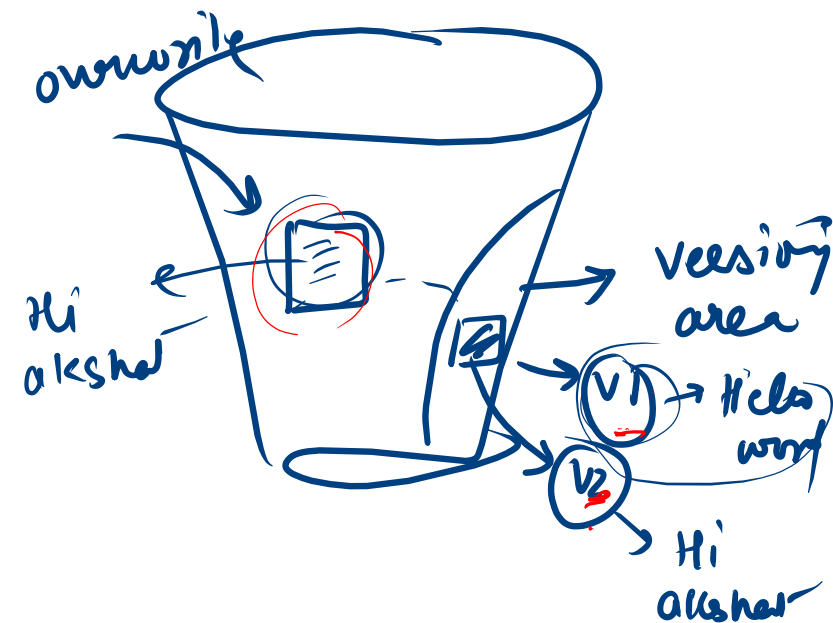# Object deletion :-

when you delete an object :-

① The live version is deleted

② The non current versions (older versions) remains

③ you can restore any non current version if needed.

Object overwrite :-

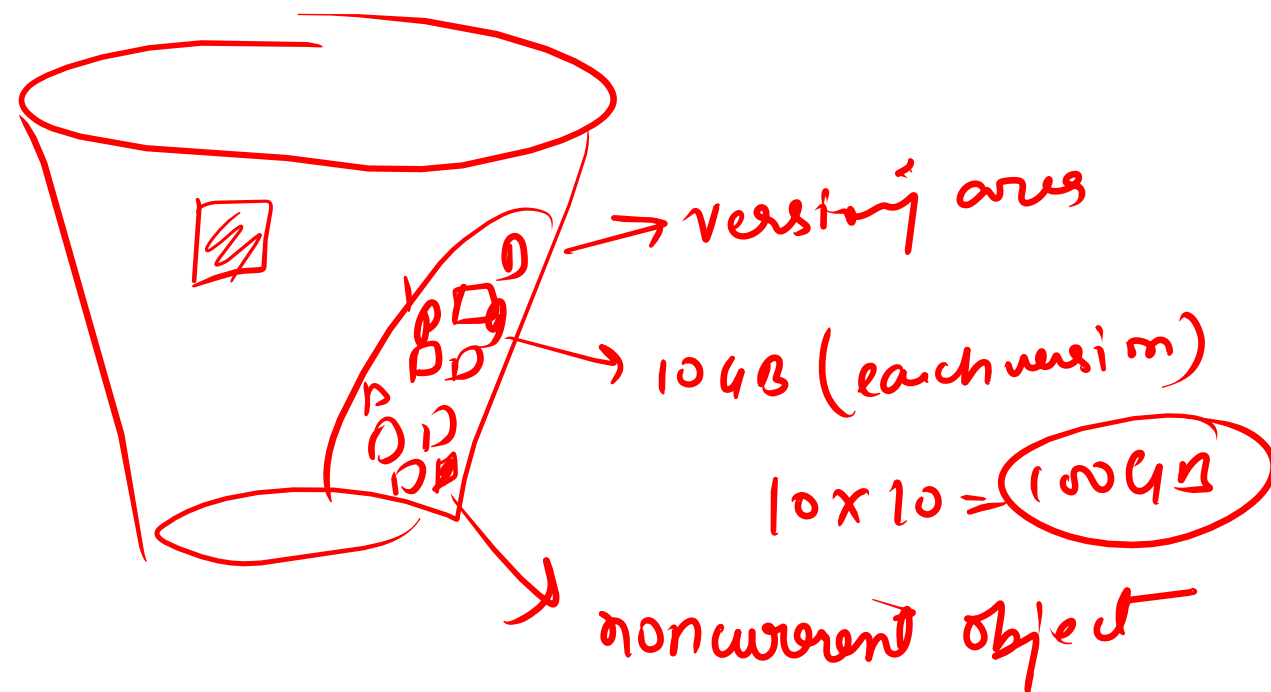when you upload an object with same name :

GCP retains the old version

If you want to restore the old version that can also be done.

cost :-

- you are charged for each version of an object.

- If an object has 10 versions, you are billed for storage space of all 10.

versing area

10 GB (each version)

$10 \times 10 = 100 \, GB$

noncurrent object

we can define number of the versions of an object which will be present

✓ **Object versioning (For version control)**

For restoring deleted or overwritten objects. To minimize the cost of storing versions, we recommend limiting the number of noncurrent versions per object and scheduling them to expire after a number of days. Learn more ↗

Max. number of versions per object
1

If you want overwrite protection, increase the count to at least 2 versions per object. Version count includes live and noncurrent versions.

Expire noncurrent versions after
1   days

7 days recommended for Standard storage class

After how many days object is deleted in new version area.