Amazon Web Services

**Versioning**

# Versioning

* Versioning in Amazon S3 is a means of keeping multiple variants of an object in the same bucket.
* We can use the S3 Versioning feature to preserve, retrieve, and restore every version of every object stored in our buckets.
* It is enabled at the bucket level.
* Versioning-enabled buckets can help you recover objects from accidental deletion or overwrite.
* **Advantages of Versioning**
* We can recover deleted objects.
* We can maintain different versions of the file

# Versioning

* Create bucket
* Select ACLs Enabled
* Don’t give access to public
* Click on Create bucket
* Upload the Object
* Don’t give any permission
* Paste the Object URL in Browser

# Versioning

* Give Public Access to Bucket
* Open our bucket
* Go to the Permissions tab
* Click on Edit to block public access
* Uncheck the Block all Public Access
* Click on Save changes
* Enter confirm & Click on Confirm

# Versioning

* Now open the File
* Go to Permission tab.
* Click on edit
* Check the read check box for public
* Check the authentication
* Click on save changes
* Check the object URL

# Versioning - Recover Deleted Object

* Open our Bucket
* Go to the properties tab
* Click on Edit for bucket Versioning
* Select enable
* Click on save changes
* Open our bucket
* Click on show versions

# Versioning - Recover Deleted Object

* Delete the file
* Select the file & Click on Delete
* Enter delete
* Click on delete objects
* Click on show versions

# Versioning - Recover Deleted Object

* Select delete marker file & Click on delete
* Enter permanently delete
* Click on Delete objects

# Versioning - Maintain Different Versions

* Add more lines to our existing file
* Open the bucket & Upload the new file
* Go to Permissions
* Give Public Access
* Click on upload
* Click on show versions

# Versioning - Maintain Different Versions

* Recover Old Version File
* Select the old version file
* Click on download
* The system will download the file & if we want then we can upload the file again.