aws
certified

**Cloud
Practitioner**

▶ lab

⊙
lab title

**Amazon Simple Storage Service (S3)**

**V1.02**

⊙
Course title

**BackSpace Academy
AWS Certified Associate**

BackSpace

# ▶ **Table** of Contents

## Contents

# ▶ **About** the Lab

**Please note that not all AWS services are supported in all regions. Please use the US-East-1 (North Virginia) region for this lab.**

These lab notes are to support the AWS S3 lab of the AWS Certified Cloud Practitioner Course.

**Please note that AWS services change on a weekly basis and it is extremely important you check the version number on this document to ensure you have the lastest version with any updates or corrections.**
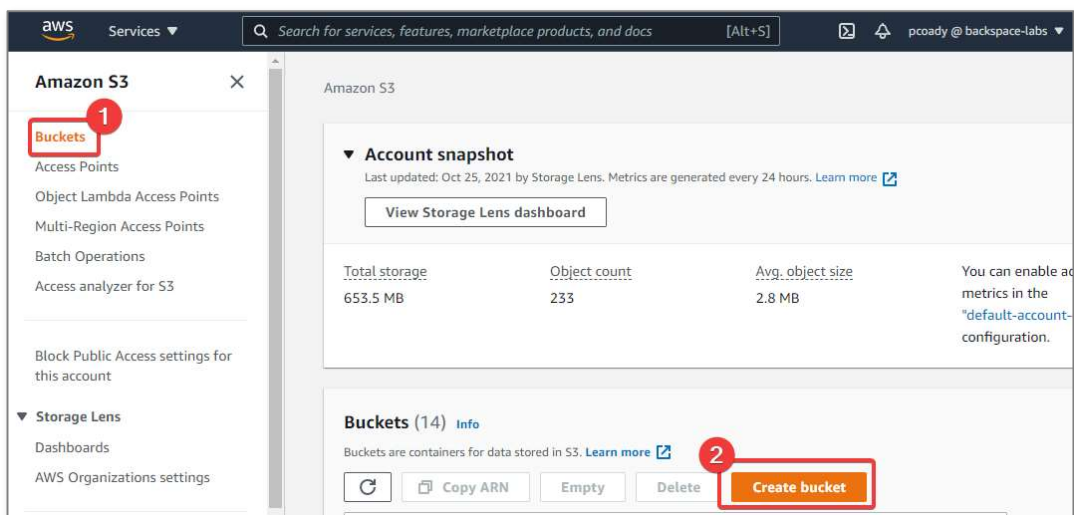
# ▶ **Using** Versioning on an S3 Bucket

**In this section, we will enable and use versioning on an S3 bucket.**
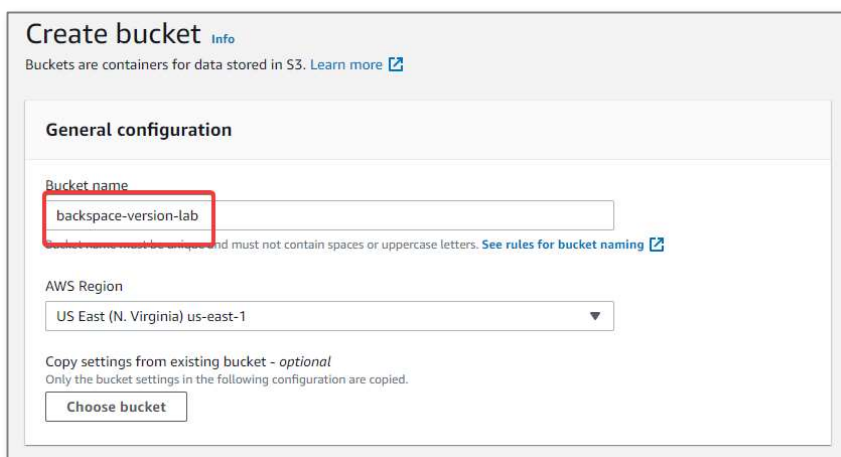
Go to the *Amazon S3* console

Select *Buckets*

Click *Create bucket*



Give the bucket a unique name



Enable *Bucket Versioning*

**Bucket Versioning**

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. **Learn more** ↗

Bucket Versioning

○ Disable

⦿ Enable

Scroll down and click *Create bucket*

○ Enable

▶ **Advanced settings**

ⓘ After creating the bucket you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel          **Create bucket**

Create and save a file with Notepad or similar text editor with contents *This is version 1*

*Untitled - Notepad

File   Edit   Format   View   Help

This is version 1

Click the bucket to open the bucket details

Click *Upload*

Amazon S3 > backspace-version-lab

**backspace-version-lab** Info

**Objects**   Properties   Permissions   Metrics   Management   Access Points

**Objects** (0)

Objects are the fundamental entities stored in Amazon S3. You can use **Amazon S3 inventory** ↗ to get a list of all objects i others to access your objects, you'll need to explicitly grant them permissions. **Learn more** ↗

C      Copy S3 URI     Copy URL     Download     Open ↗     Delete

Actions ▼     Create folder     **Upload**

Drag and Drop the text file

Click Upload



Click *Close*



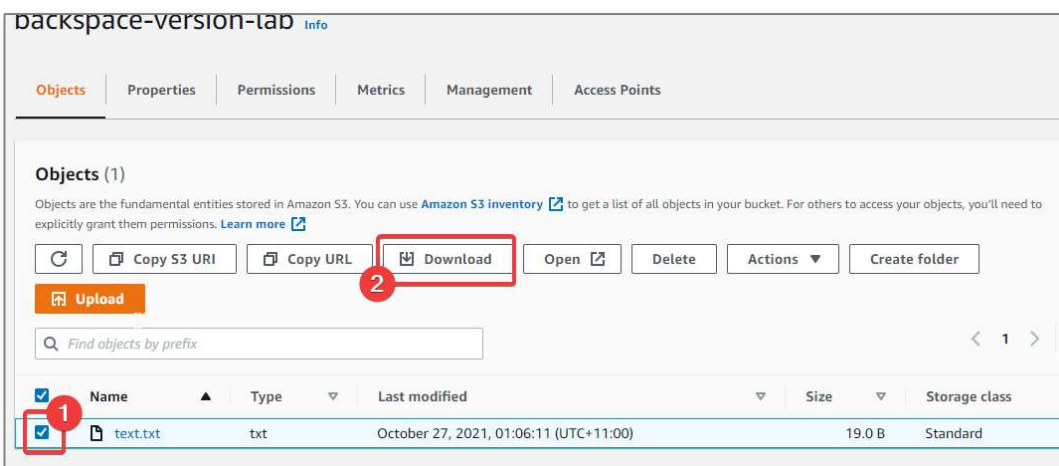Change the file to *This is version 2* and save

Upload to S3 again

Click *Close*
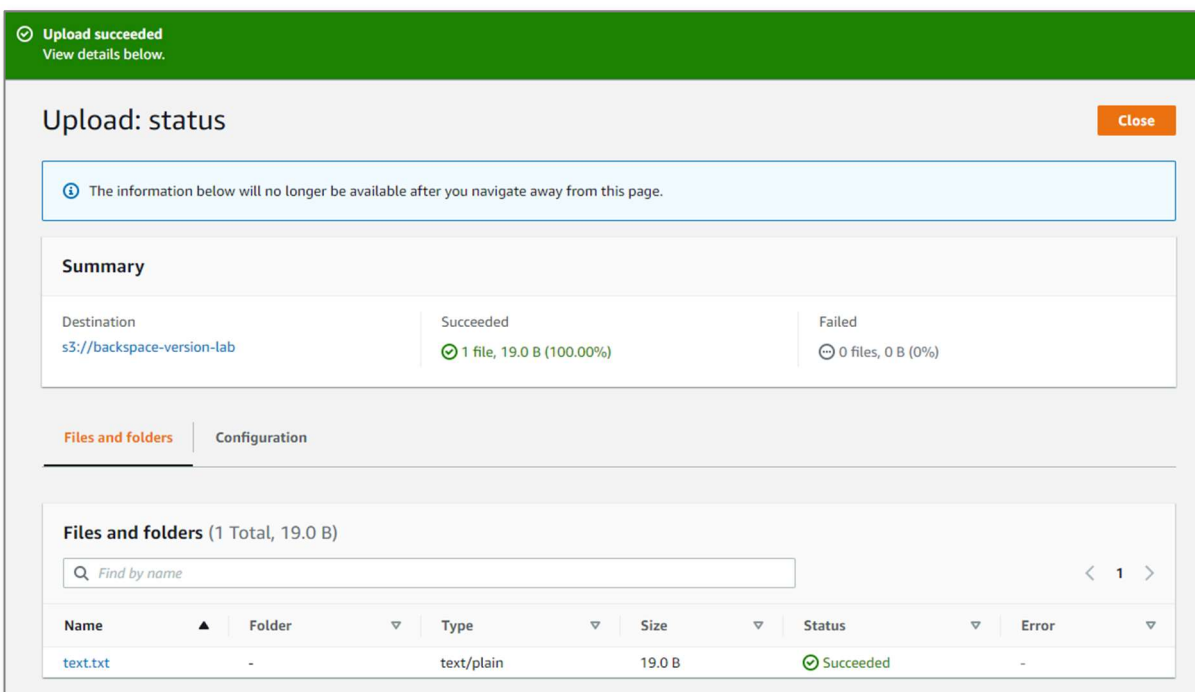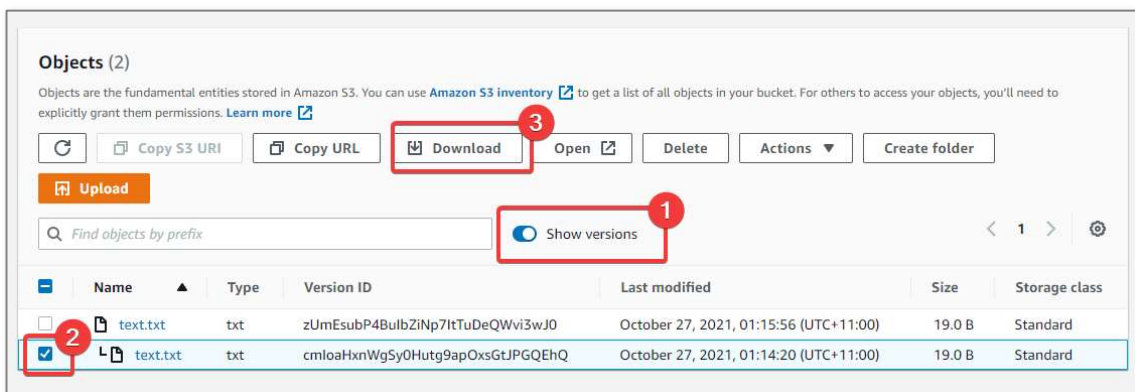


Select file and click *Download*

Open file and check that this is version 2



Select *Show versions*

Select the old version
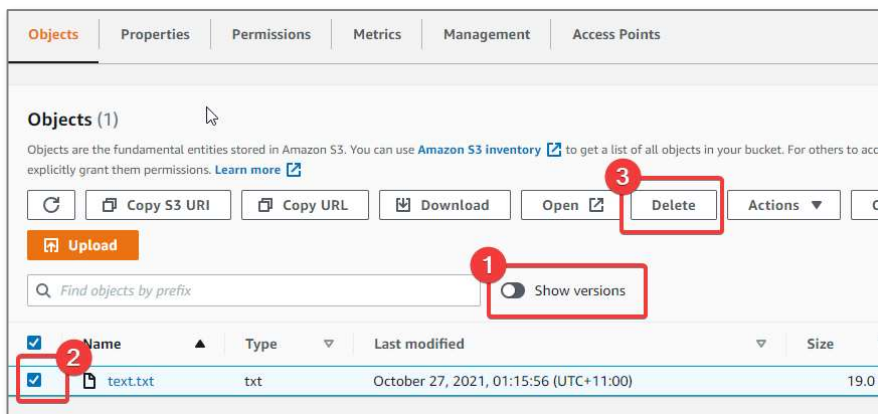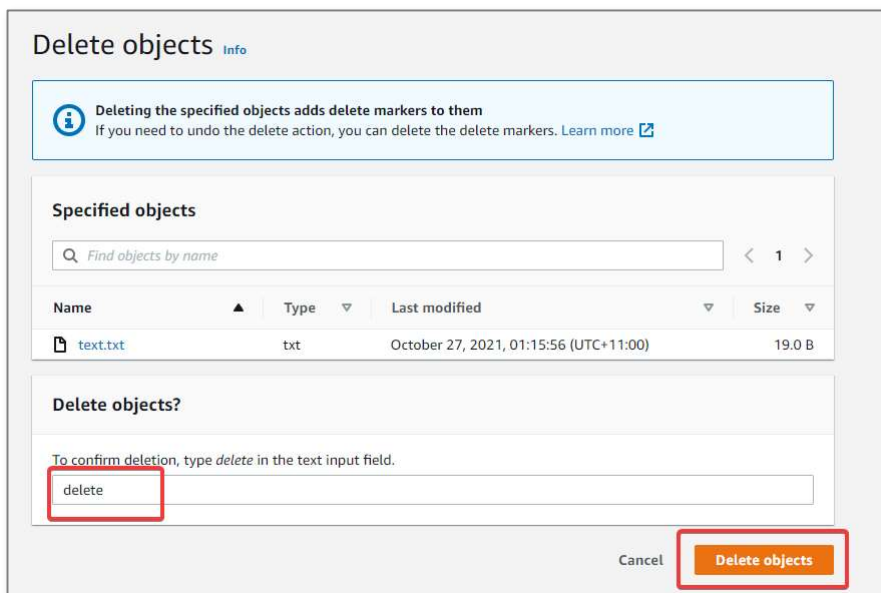
Click *Download*



Open to see the old version



Disable *Show versions*

Delete the object

Click *Delete objects*



Click Close

Enable Show versions

Select and delete the Delete marker

Click *Delete objects*



Click *Close*

Enable *Show versions*

The object will be undeleted

# ▶ **Creating** a LifeCycle Management Rule

**In this section, we will create a lifecycle rule to migrate old data to Glacier on an S3 bucket.**

Select the Bucket we created

Select the *Management* tab

Select *Create lifecycle rule*
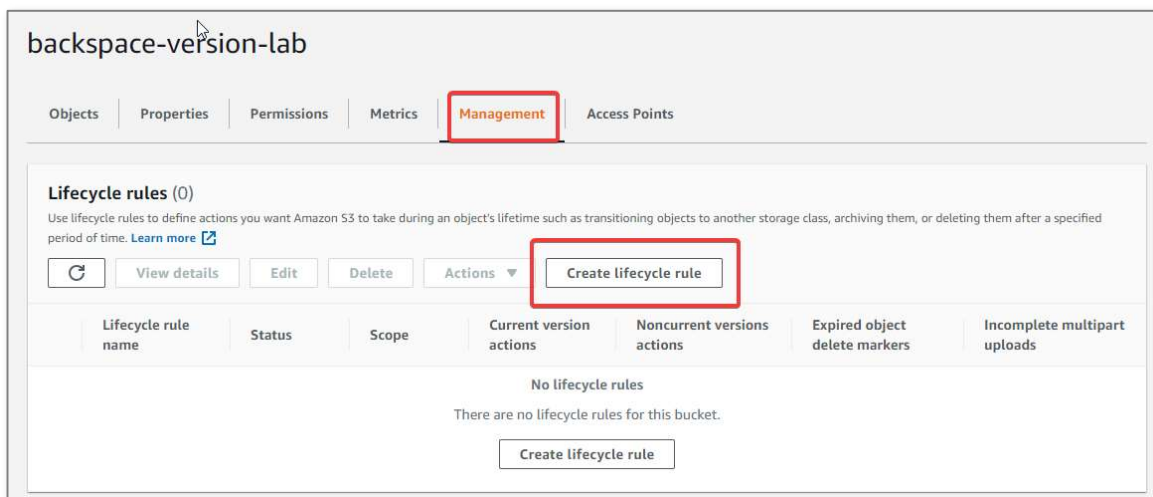


Give the rule a name

Select *Apply to all objects in the bucket*

Check *I acknowledge that this rule will apply to all objects in the bucket.*

Select *Move noncurrent versions of objects between storage classes*



Transition noncurrent versions to Glacier after 90 days

Click *Create rule*

Your rule will be *enabled*

## Clean Up

*Empty* the bucket



Now *Delete* the bucket