

S3 Tasks - 01

- Create an S3 bucket and upload some objects to S3.

The screenshot shows the Amazon S3 console interface for a bucket named 'amzn23demo'. The 'Objects' tab is selected, displaying a list of objects. The table has columns for Name, Type, Last modified, Size, and Storage class. One object is listed: 'Linux-Cheat-Sheet-Sponsored-By-Loggly.pdf' with a size of 964.4 KB and a storage class of 'Standard'. The last modified date is January 12, 2026, at 16:49:38 (UTC+05:30). The interface includes various action buttons like 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'.

Name	Type	Last modified	Size	Storage class
Linux-Cheat-Sheet-Sponsored-By-Loggly.pdf	pdf	January 12, 2026, 16:49:38 (UTC+05:30)	964.4 KB	Standard

- Deploy a static website in the S3 bucket.

This screenshot shows the 'Static website hosting' configuration page for the 'amzn23demo' bucket. It indicates that static website hosting is 'Enabled' and the 'Hosting type' is 'Bucket hosting'. The 'Bucket website endpoint' is shown as 'http://amzn23demo.s3-website-us-east-1.amazonaws.com'. A recommendation banner suggests using 'AWS Amplify Hosting for static website hosting'.

Static website hosting
Use this bucket to host a website or redirect requests. [Learn more](#)

S3 static website hosting
Enabled

Hosting type
Bucket hosting

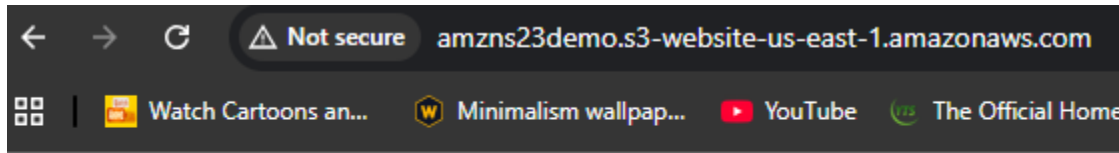
Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)
<http://amzn23demo.s3-website-us-east-1.amazonaws.com>

The top part of the screenshot shows the 'Objects' list in the S3 console, now containing three objects: 'error.html', 'index.html', and 'Linux-Cheat-Sheet-Sponsored-By-Loggly.pdf'. The bottom part shows a web browser displaying the static website hosted at the endpoint 'amzn23demo.s3-website-us-east-1.amazonaws.com'. The browser's address bar shows the URL, and the page content includes a navigation bar with links to 'Watch Cartoons an...', 'Minimalism wallpap...', 'YouTube', 'The Official Home o...', and 'Gmail'.

Name	Type	Last modified
error.html	html	January 13, 2026
index.html	html	January 13, 2026
Linux-Cheat-Sheet-Sponsored-By-Loggly.pdf	pdf	January 12, 2026

The only person who can kill Thomas Shelby is : THOMAS SHELBY HIMSELF!!!!!!

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By the Order of the PEAKY BLINDERS!!!

-
- Enable cross-region replication on S3 buckets.

Source bucket

Source bucket name
9652916150

Source Region
US East (Ohio) us-east-2

Choose a rule scope
☐ Limit the scope of this rule using one or more filters
☒ Apply to all objects in the bucket

Destination

Destination
You can replicate objects across buckets in different AWS Regions (Cross-Region Replication) or you can replicate objects across buckets in the same AWS Region (Same-Region Replication). You can also specify a different bucket for each rule in the console. [Amazon S3 pricing](#)

☒ Choose a bucket in this account
☐ Specify a bucket in another account

Bucket name
Choose the bucket that will receive replicated objects.
 [Browse S3](#)

Destination Region

Create Batch Operations job

Job settings
A job is used to execute batch operations on a list of S3 objects. The list of objects is contained in a replication manifest object generated by S3.

Job run options
You can choose whether to have the job start automatically after the replication manifest is generated or to have the job wait in the *Awaiting your confirmation to run* status until you run the job.

☒ Automatically run the job when it's ready
When selected, the job automatically runs without waiting for you to start it.

☐ Wait to run the job when it's ready
Recommended if you want to review the manifest or job details before running the job.

Completion report
Generate a CSV completion report that lists your target objects, task success or error codes, outputs, and descriptions. Completion reports are encrypted using SSE-S3. [Learn more](#)

☒ Generate completion report

Completion report scope
☐ Failed tasks only
☒ All tasks

Completion report destination account
☒ This account
☐ A different account

Destination
Enter a destination in Amazon S3 where your object(s) are stored. Amazon S3 is object storage built to store and retrieve any amount of data from anywhere.
 [View](#) [Browse S3](#)
Format: s3://<bucket>/<optional-prefix-with-path>. S3 will append the path with a "/". If you add a "/" to the prefix, it will appear as an extra folder in the S3 console.

Bucket owner account ID
526018540742

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90918.jpg

Info

Copy S3 URI

Properties

Permissions

Versions

Object overview

Owner

c3bd0d1ce0779b89e77d7c407a6f970ad5aef52e6a818a109c15a8a41b552459

AWS Region

US East (Ohio) us-east-2

Last modified

January 13, 2026, 16:05:54 (UTC+05:30)

Size

1.3 MB

Type

jpg

Key

190918.jpg

S3 URI

s3://9652916150/190918.jpg

Amazon Resource Name (ARN)

arn:aws:s3:::9652916150/190918.jpg

Entity tag (Etag)

9e0ee56c69ca696a4fcdf70993023a3c

Object URL

https://9652916150.s3.us-east-2.amazonaws.com/190918.jpg

Object management overview

The following bucket properties and object management configurations impact the behavior of this object.

Bucket properties

Bucket Versioning

When enabled, multiple variants of an object can be stored in the bucket to easily recover from unintended user actions and application failures.

Enabled

Management configurations

Replication status

When a replication rule is applied to an object the replication status is

COMPLETED

Objects (4)

Refresh

Copy S3 URI

Copy URL

Download

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For other information, see [Amazon S3 Objects](#).

Find objects by prefix

Show versions

<input type="checkbox"/>	Name	Type	Last modified
<input type="checkbox"/>	190918.jpg	jpg	January 13, 2026, 16:05:54 (UTC+05:30)
<input type="checkbox"/>	error.html	html	January 13, 2026, 15:51:32 (UTC+05:30)
<input type="checkbox"/>	job-5190cd09-bc4b-4752-8bc4-ae2ebaf8d4ac/	Folder	-
<input type="checkbox"/>	Linux-Cheat-Sheet-Sponsored-By-	pdf	January 12, 2026, 16:49:38 (UTC+05:30)

- Configure a bucket policy so only the Admin user can see the objects of the S3 bucket.

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```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "AllowAdminOnly",
6       "Effect": "Allow",
7       "Principal": {
8         "AWS": "arn:aws:iam::526018540742:user/Admin"
9       },
10      "Action": [
11        "s3:ListBucket",
12        "s3:GetObject"
13      ],
14      "Resource": [
15        "arn:aws:s3:::amzns23demo",
16        "arn:aws:s3:::amzns23demo/*"
17      ]
18    }
19  ]
20 }
21
```

-
- Set up lifecycle policies to automatically transition or delete objects based on specific criteria.

Lifecycle rule name


Test-lifecycle

Up to 255 characters

Choose a rule scope

☐ Limit the scope of this rule using one or more filters

☒ Apply to all objects in the bucket

 **Apply to all objects in the bucket**

If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose "Limit the scope of this rule using one or more filters". [Learn more](#)

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

Lifecycle rule actions

Choose the actions you want this rule to perform.

☒ **Transition current versions of objects between storage classes**

This action will move current versions.

☐ **Transition noncurrent versions of objects between storage classes**


This action will move noncurrent versions.

☐ **Expire current versions of objects**

☐ **Permanently delete noncurrent versions of objects**

☐ **Delete expired object delete markers or incomplete multipart uploads**

These actions are not supported when filtering by object tags or object size.

 **Transitions are charged per request**

For a lifecycle transition action, each request corresponds to an object transition. For details on lifecycle transition pricing, see requests pricing info on the **Storage & requests** tab of the [Amazon S3 p](#)

☒ I acknowledge that this lifecycle rule will incur a transition cost per request.

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Transition current versions of objects between storage classes

Choose transitions to move current versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects are created and are consecutively applied. [Learn more](#)

Choose storage class transitions

Standard-IA

Add transition

Days after object creation

20

Remove

A minimum of 30 days is required before transitioning to Standard-IA.

Lifecycle rule actions

Choose the actions you want this rule to perform.

☐

Transition current versions of objects between storage classes
This action will move current versions.

☐

Transition noncurrent versions of objects between storage classes
This action will move noncurrent versions.

☐

Expire current versions of objects

☒ Permanently delete noncurrent versions of objects

☐ Delete expired object delete markers or incomplete multipart uploads
These actions are not supported when filtering by object tags or object size.

Permanently delete noncurrent versions of objects

Choose when Amazon S3 permanently deletes specified noncurrent versions of objects. [Learn more](#)

Days after objects become noncurrent

20

Number of newer versions to retain - *Optional*

1

Can be 1 to 100 versions. All other noncurrent versions will be moved.

- Push some objects to S3 using the AWS CLI.

Objects

Metadata

Properties

Permissions

Metrics

Management

Access Points

Objects (4)

🔄





📄 Copy S3 URI

📄 Copy URL

⬇️ Download

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others t




☒ Show versions

<input type="checkbox"/>	Name	▲ Type	▼ Last modified
<input type="checkbox"/>	 190918.jpg	jpg	January 13, 2026, 16:05:54 (UTC+05:30)
<input type="checkbox"/>	 error.html	html	January 13, 2026, 15:51:32 (UTC+05:30)
<input type="checkbox"/>	 job-5190cd09-bc4b-4752-8bc4-ae2ebaf8d4ac/	Folder	-
<input type="checkbox"/>	 Linux-Cheat-Sheet-Sponsored-By-Loggly.pdf	pdf	January 12, 2026, 16:49:38 (UTC+05:30)

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```
Viqaas@LAPTOP-VG025G9U MINGW64 /d/DevOps
$ aws s3 cp index.html s3://amzns23demo
upload: .\index.html to s3://amzns23demo/index.html
```

```
- Viqaas@LAPTOP-VG025G9U MINGW64 /d/DevOps
```

Objects (5)   Copy S3 URI  C

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket.

☐ Show versions

<input type="checkbox"/>	Name	Type	Last modified
<input type="checkbox"/>	 190918.jpg	jpg	January 13, 2020
<input type="checkbox"/>	 error.html	html	January 13, 2020
<input type="checkbox"/>	 index.html	html	January 13, 2020
<input type="checkbox"/>	 job-5190cd09-bc4b-4752-8bc4-ae2ebaf8d4ac/	Folder	-
<input type="checkbox"/>	 Linux-Cheat-Sheet-Sponsored-By-Loggly.pdf	pdf	January 12, 2020

- Write a Bash script to create an S3 bucket.

```
$ cat bucket.bash
#!/bin/bash

# ----- get inputs from user -----
read -p "Enter S3 bucket name (must be globally unique): " bucket
read -p "Enter AWS region (e.g. us-east-1): " region
read -p "Enter AWS CLI profile name: " profile


# ----- basic validation -----
if [ -z "$bucket" ] || [ -z "$region" ] || [ -z "$profile" ]; then
    echo "Error: bucket, region, and profile must all be provided."
    exit 1
fi

# ----- create bucket -----
if [ "$region" = "us-east-1" ]; then
    aws s3api create-bucket \
        --bucket "$bucket" \
        --profile "$profile"
else
    aws s3api create-bucket \
        --bucket "$bucket" \
        --region "$region" \
        --create-bucket-configuration LocationConstraint="$region" \
        --profile "$profile"
fi

# ----- verify -----
aws s3 ls --profile "$profile" | grep "$bucket"
```

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```
Viqaas@LAPTOP-VG025G9U MINGW64 /d/devops/Me/Devops-Learning/scripts (main)
$ bash bucket.bash
Enter S3 bucket name (must be globally unique): 9381424451
Enter AWS region (e.g. us-east-1): us-east-1
Enter AWS CLI profile name: default
{
  "Location": "/9381424451",
  "BucketArn": "arn:aws:s3:::9381424451"
}
2026-01-13 16:25:01 9381424451
```

General purpose buckets (4) [Info](#)  [Copy ARN](#) [Empty](#)

Buckets are containers for data stored in S3.

	Name	AWS Region	Creation
<input type="radio"/>	9381424451	US East (N. Virginia) us-east-1	January 13, 2026
<input type="radio"/>	9652916150	US East (Ohio) us-east-2	January 13, 2026
<input type="radio"/>	amzn23demo	US East (N. Virginia) us-east-1	January 13, 2026
<input type="radio"/>	testflow-09	US East (N. Virginia) us-east-1	January 13, 2026

- Upload a 1 GB file to S3 using the CLI.

```
Viqaas@LAPTOP-VG025G9U MINGW64 /d/Movies/The.Batman.2022.1080p.10bit.WEBRip.6CH.x265.HEVC-PSA
$ aws s3 cp "The.Batman.2022.1080p.10bit.WEBRip.6CH.x265.HEVC-PSA.mkv" s3://amzn23demo/

upload: .\The.Batman.2022.1080p.10bit.WEBRip.6CH.x265.HEVC-PSA.mkv to s3://amzn23demo/The.Batman.2022.1080p.10bit.WEBRip.6CH.x265.HEVC-PSA.mkv
```

Loggly.pdf			
<input type="checkbox"/>	The.Batman.2022.1080p.10bit.WEBRip.6CH.x265.HEVC-PSA.mkv	mkv	January 13, 2026, 16:28:49 (UTC+05:30) 1.5 GB Standard