

# S3 Tasks - 01

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

The screenshot shows the AWS S3 console with a single object listed:

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.

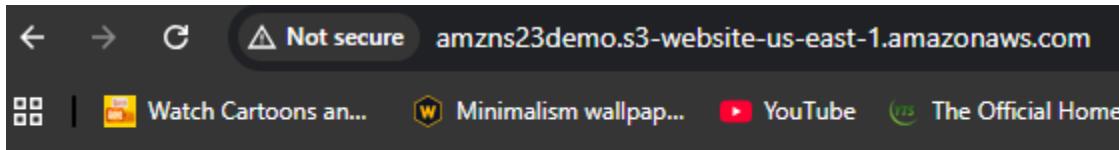
The screenshot shows the AWS S3 Static website hosting configuration for the 'amzns23demo' bucket. It includes the following details:

- Bucket website endpoint:** <http://amzns23demo.s3-website-us-east-1.amazonaws.com>
- Objects (3):**

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.

The screenshot shows the 'Create Batch Operations job' wizard. It includes sections for 'Source bucket', 'Destination', 'Job settings', 'Completion report', and 'Destination'. The 'Source bucket' section shows a bucket named '9652916150' in 'US East (Ohio) us-east-2'. The 'Destination' section shows a bucket named 'amzns23demo' in the same region. Under 'Job settings', the 'Automatically run the job when it's ready' option is selected. In the 'Completion report' section, 'Generate completion report' is checked, and 'All tasks' is selected for the scope. The 'Destination' section at the bottom shows the URL 's3://amzns23demo'.

**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 configuration. [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.  
amzns23demo [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.  
s3://amzns23demo [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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The screenshot shows the AWS S3 Object Details page for an object named '90918.jpg'. The top navigation bar includes 'Properties', 'Permissions', and 'Versions' tabs, with 'Properties' currently selected. On the right side, there are several metadata fields with their corresponding values and copy buttons:

Metadata Field	Value	Action
Owner	c3bd0d1ce0779b89e77d7c407a6f970ad5aef52e6a818a109c15a8a41b552459	<a href="#">Copy S3 URI</a>
AWS Region	US East (Ohio) us-east-2	<a href="#">Copy ARN</a>
Last modified	January 13, 2026, 16:05:54 (UTC+05:30)	<a href="#">Entity tag (Etag)</a>
Size	1.3 MB	<a href="#">Object URL</a>
Type	jpg	<a href="#">Copy URL</a>
Key	<a href="#">190918.jpg</a>	<a href="#">Download</a>

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

Bucket properties	Management configurations
<b>Bucket Versioning</b> When enabled, multiple variants of an object can be stored in the bucket to easily recover from unintended user actions and application failures. Enabled	<b>Replication status</b> When a replication rule is applied to an object the replication status is COMPLETED

**Objects (4)**

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 ways to view objects, see [View objects](#).

<input type="checkbox"/>	Name	Type	Last modified
<input type="checkbox"/>	<a href="#">190918.jpg</a>	jpg	January 13, 2026, 16:05:54 (UTC+05:30)
<input type="checkbox"/>	<a href="#">error.html</a>	html	January 13, 2026, 15:51:32 (UTC+05:30)
<input type="checkbox"/>	<a href="#">job-5190cd09-bc4b-4752-8bc4-ae2ebaf8d4ac/</a>	Folder	-
<input type="checkbox"/>	<a href="#">Linux-Cheat-Sheet-Sponsored-By-</a>	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 [ ] "Version": "2012-10-17",
2   "Statement": [
3     {
4       "Sid": "AllowAdminOnly",
5       "Effect": "Allow",
6       "Principal": {
7         "AWS": "arn:aws:iam::526018540742:user/Admin"
8       },
9       "Action": [
10         "s3>ListBucket",
11         "s3:GetObject"
12       ],
13     },
14     "Resource": [
15       "arn:aws:s3:::amzns23demo",
16       "arn:aws:s3:::amzns23demo/*"
17     ]
18   }
19 ]
20 [ ]
```

- 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](#) [pricing page](#).  
 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 ▾

Days after object creation  
20   
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)**

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 to

**Find objects by prefix**

**Name** **Type** **Last modified**

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

## S3 Tasks - 01

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

Objects (5)			
Objects are the fundamental entities stored in Amazon S3. You can use <a href="#">Amazon S3 inventory</a> to get a list of all objects.			
<input type="text"/> Find objects by prefix		<input checked="" type="checkbox"/> Show versions	
<input type="checkbox"/>	Name	Type	Last modified
<input type="checkbox"/>	<a href="#">190918.jpg</a>	jpg	January 13, 2018
<input type="checkbox"/>	<a href="#">error.html</a>	html	January 13, 2018
<input type="checkbox"/>	<a href="#">index.html</a>	html	January 13, 2018
<input type="checkbox"/>	<a href="#">job-5190cd09-bc4b-4752-8bc4-ae2ebaf8d4ac/</a>	Folder	-
<input type="checkbox"/>	<a href="#">Linux-Cheat-Sheet-Sponsored-By-Loggly.pdf</a>	pdf	January 12, 2018

- 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/Re/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](#)**

Buckets are containers for data stored in S3.

*Find buckets by name*

Name	AWS Region	Creati
<a href="#">9381424451</a>	US East (N. Virginia) us-east-1	Januar
<a href="#">9652916150</a>	US East (Ohio) us-east-2	Januar
<a href="#">amzns23demo</a>	US East (N. Virginia) us-east-1	Januar
<a href="#">testflow-09</a>	US East (N. Virginia) us-east-1	Januar

- 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://amzns23demo/
upload: .\The.Batman.2022.1080p.10bit.WEBRip.6CH.x265.HEVC-PSA.mkv to s3://amzns23demo/The.Batma
ip.6CH.x265.HEVC-PSA.mkv
```

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