

Module 3 Guided Lab - Hosting    S3 buckets | S3 | Global

s3.console.aws.amazon.com/s3/home?region=us-east-1#

aws Services Search [Alt+S] Global v vocabs/user2969502- @ 8913-7728-7503 v

### Amazon S3

#### Amazon S3

Buckets  
Access Grants  
Access Points  
Object Lambda Access Points  
Multi-Region Access Points  
Batch Operations  
IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens  
Dashboards  
Storage Lens groups  
AWS Organizations settings

Feature spotlight 7

AWS Marketplace for S3

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**Account snapshot**

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

**General purpose buckets**    Directory buckets

**General purpose buckets (1) [Info](#)**

Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	Access	Creation date
c107897a2537318l5817743t1w89137728-generatedbucket-ny55rnqn9i87	US East (N. Virginia) us-east-1	Bucket and objects not public	February 24, 2024, 17:05:50 (UTC+05:30)

**Create bucket**

Module 3 Guided Lab - Hosting    S3 buckets | S3 | Global

s3.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general

aws Services Search [Alt+S] Global v vocabs/user2969502- @ 8913-7728-7503 v

☰ Successfully created bucket "website-160"  
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

Amazon S3 > Buckets

### Amazon S3

#### Amazon S3

General purpose buckets  
Directory buckets

**General purpose buckets (2) [Info](#)**

Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	Access	Creation date
c107897a2537318l5817743t1w89137728-generatedbucket-ny55rnqn9i87	US East (N. Virginia) us-east-1	Bucket and objects not public	February 24, 2024, 17:05:50 (UTC+05:30)
website-160	US East (N. Virginia) us-east-1	Objects can be public	February 24, 2024, 17:09:51 (UTC+05:30)

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Module 3 Guided Lab - Hosting    Upload objects - S3 bucket website-160    403 Forbidden

s3.console.aws.amazon.com/s3/upload/website-160?region=us-east-1&bucketType=general

Services Search [Alt+S]

Amazon S3 > Buckets > website-160 > Upload

## Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. Learn more [\[?\]](#)

Drag and drop files and folders you want to upload here, or choose Add files or Add folder.

**Files and folders (0)**  
All files and folders in this table will be uploaded.

Name	Type
No files or folders	You have not chosen any files or folders to upload.

**Destination Info**

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This screenshot shows the 'Upload' interface for an S3 bucket named 'website-160'. The 'Files and folders' section is empty, indicating no files have been selected for upload. The 'Destination' dropdown menu is open, showing the path 's3://website-160'. The bottom navigation bar includes links for CloudShell, Feedback, and various AWS services like Privacy, Terms, and Cookie preferences.

Module 3 Guided Lab - Hosting    Upload objects - S3 bucket website-160    403 Forbidden

s3.console.aws.amazon.com/s3/upload/website-160?region=us-east-1&bucketType=general

Services Search [Alt+S]

Upload succeeded  
View details below.

### Summary

Destination	Succeeded	Failed
s3://website-160	3 files, 14.8 KB (100.00%)	0 files, 0 B (0%)

**Files and folders (3 Total, 14.8 KB)**

Name	Folder	Type	Size	Status	Error
style (1).css	-	text/css	3.1 KB	Succeeded	-
script (1).js	-	text/javascript	2.0 KB	Succeeded	-
index (1).html	-	text/html	9.8 KB	Succeeded	-

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This screenshot shows the 'Upload' interface after three files have been successfully uploaded to the 'website-160' bucket. A green banner at the top indicates 'Upload succeeded' with a link to 'View details below'. Below this, a 'Summary' table shows the destination and upload status. The main area displays a table of 'Files and folders' with columns for Name, Folder, Type, Size, Status, and Error. All three files listed ('style (1).css', 'script (1).js', and 'index (1).html') are marked as 'Succeeded' with a green checkmark icon. The bottom navigation bar is identical to the previous screenshot.

Module 3 Guided Lab - Hosting > Make objects public - S3 bucket > 403 Forbidden

s3.console.aws.amazon.com/s3/buckets/website-160/object/edit\_public\_read\_access?region=us-east-1&bucketType=general&showversions=false

Services Search [Alt+S] Global v @ 8913-7728-7503

Amazon S3 Buckets website-160 Make public

### Make public Info

The make public action enables public read access in the object access control list (ACL) settings. [Learn more](#).

**Specified objects**

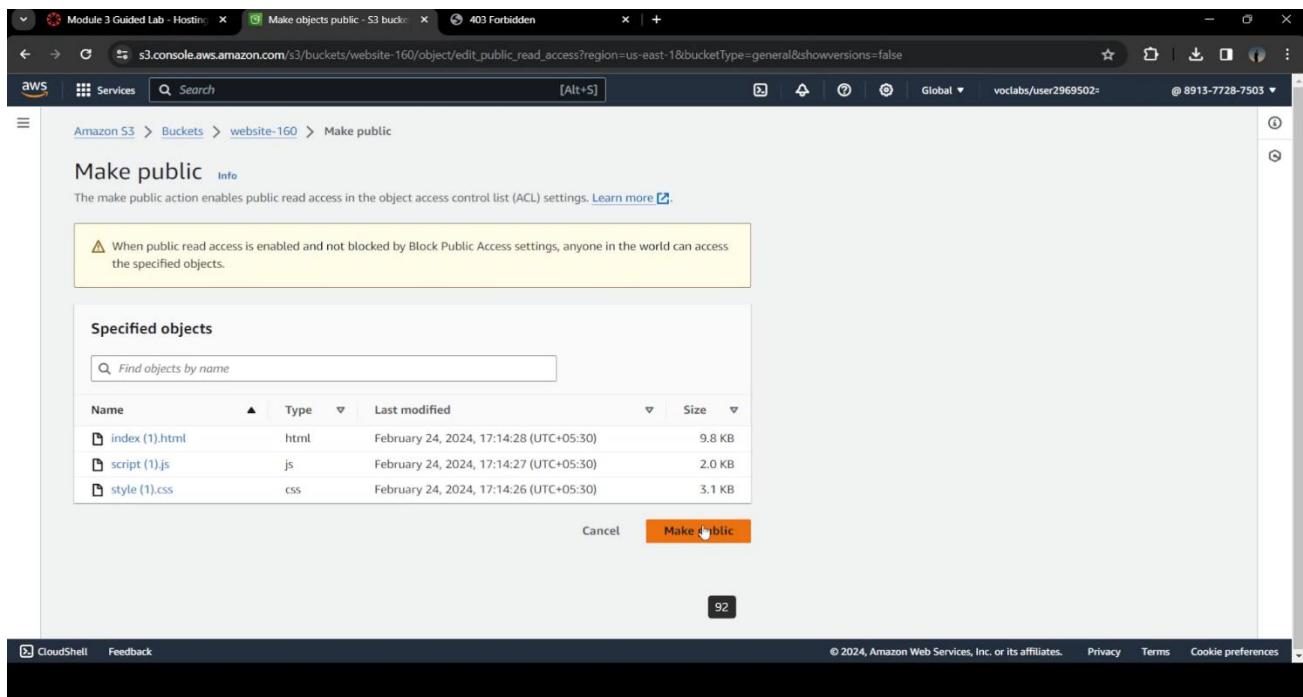
Find objects by name

Name	Type	Last modified	Size
index (1).html	html	February 24, 2024, 17:14:28 (UTC+05:30)	9.8 KB
script (1).js	js	February 24, 2024, 17:14:27 (UTC+05:30)	2.0 KB
style (1).css	css	February 24, 2024, 17:14:26 (UTC+05:30)	3.1 KB

Cancel Make Public

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Module 3 Guided Lab - Hosting > Make objects public - S3 bucket > 403 Forbidden

s3.console.aws.amazon.com/s3/buckets/website-160/object/edit\_public\_read\_access?region=us-east-1&bucketType=general&showversions=false

Services Search [Alt+S] Global v @ 8913-7728-7503

Successfully edited public access

View details below.

### Make public: status

The information below will no longer be available after you navigate away from this page.

**Summary**

Source s3://website-160	Successfully edited public access 3 objects, 14.8 KB	Failed to edit public access 0 objects
----------------------------	---	---

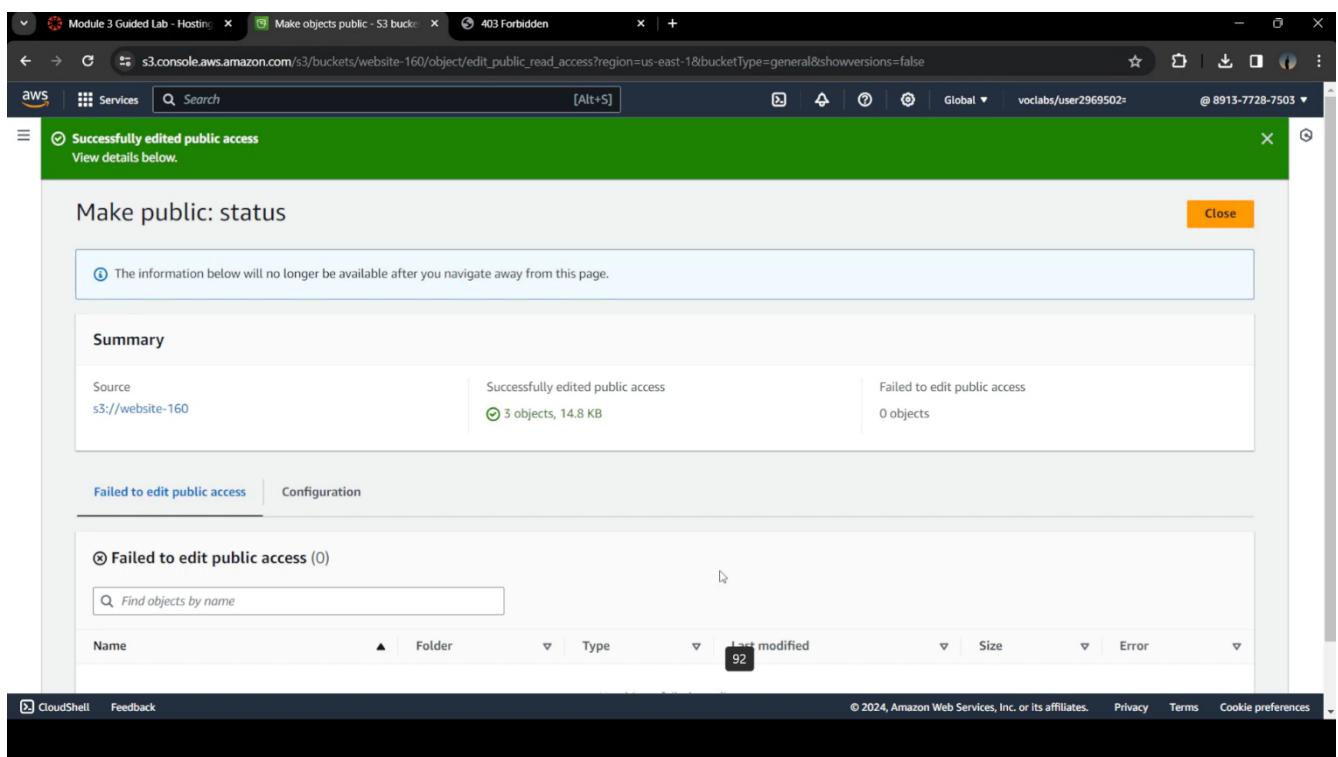
Failed to edit public access Configuration

#### Failed to edit public access (0)

Find objects by name

Name	Folder	Type	Last modified	Size	Error
			92		

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Module 3 Guided Lab - Hosting > Make objects public - S3 bucket > 403 Forbidden

s3.console.aws.amazon.com/s3/buckets/website-160/object/edit\_public\_read\_access?region=us-east-1&bucketType=general&showVersions=false

aws Services Search [Alt+S] Global v vocabs/user2969502- @ 8913-7728-7503

Amazon S3 > Buckets > website-160 > Make public

## Make public Info

The make public action enables public read access in the object access control list (ACL) settings. [Learn more](#)

**Specified objects**

Find objects by name

Name	Type	Last modified	Size
index.html	html	February 24, 2024, 17:19:24 (UTC+05:30)	9.8 KB
script.js	js	February 24, 2024, 17:19:23 (UTC+05:30)	2.0 KB
style.css	css	February 24, 2024, 17:19:22 (UTC+05:30)	3.1 KB

Cancel **Make public**

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This screenshot shows the AWS S3 console interface. A user is attempting to make objects public for a bucket named 'website-160'. The 'Specified objects' section lists three files: 'index.html', 'script.js', and 'style.css'. The 'Make public' button is highlighted with a mouse cursor. At the bottom right of the dialog, there is a small notification bubble with the number '92'.

Module 3 Guided Lab - Hosting > Make objects public - S3 bucket > My Static Website

website-160.s3-website-us-east-1.amazonaws.com

# aws Static Website

## SERVED FROM AMAZON S3

APN Network [Home](#) About Transformation Contact Location

ABOUT US

This screenshot shows a static website hosted on Amazon S3. The main page features the AWS logo and the text 'Static Website SERVED FROM AMAZON S3'. Below this is a navigation bar with links for APN Network, Home, About, Transformation, Contact, and Location. A secondary navigation bar at the bottom includes 'ABOUT US'. The URL in the browser is 'website-160.s3-website-us-east-1.amazonaws.com'.

Module 3 Challenge Lab - Create S3 bucket | S3 | Global

s3.console.aws.amazon.com/s3/bucket/create?region=us-east-1&bucketType=general

AWS Services Search [Alt+S]

Bucket Key  
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

Disable  
 Enable

Advanced settings

Object Lock  
Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. Object Lock works only in versioned buckets. [Learn more](#)

Disable  
 Enable  
Permanently allows objects in this bucket to be locked. Additional Object Lock configuration is required in bucket details after bucket creation to protect objects in this bucket from being deleted or overwritten.

Object Lock works only in versioned buckets. Enabling Object Lock automatically enables Versioning.

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

Cancel **Create bucket**

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Module 3 Challenge Lab - Create S3 buckets | S3 | Global

s3.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general

AWS Services Search [Alt+S]

Successfully created bucket "website-dinnertime11"  
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

Amazon S3 > Buckets

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

General purpose buckets [View details](#) Directory buckets

General purpose buckets (2) [Info](#)

Buckets are containers for data stored in S3.

Find buckets by name

**C** Copy ARN **Empty** **Delete** **Create bucket**

Name	AWS Region	Access	Creation date
c107897a25373205934933t1w4711125026 66-htmlbucket-3nfedtn1doto	US East (N. Virginia) us-east-1	Objects can be public	February 24, 2024, 15:48:11 (UTC+05:30)
website-dinnertime11	US East (N. Virginia) us-east-1	Objects can be public	February 24, 2024, 15:54:57 (UTC+05:30)

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Module 3 Challenge Lab - Create a static website

Upload objects - S3 bucket website-dinnertime11

s3.console.aws.amazon.com/s3/upload/website-dinnertime11?region=us-east-1&bucketType=general

aws Services Search [Alt+S]

Files and folders (9 Total, 21.7 MB)

All files and folders in this table will be uploaded.

	Name	Folder	Type
<input type="checkbox"/>	Strawberry-Tarts.png	images/	image/png
<input type="checkbox"/>	index.html	-	text/html

Destination Info

Destination: s3://website-dinnertime11

▶ Destination details: Bucket settings that impact new objects stored in the specified destination.

▶ Permissions: Grant public access and access to other AWS accounts.

▶ Properties: Specify storage class, encryption settings, tags, and more.

Cancel Upload

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Module 3 Challenge Lab - Create a static website

Upload objects - S3 bucket website-dinnertime11

s3.console.aws.amazon.com/s3/upload/website-dinnertime11?region=us-east-1&bucketType=general

aws Services Search [Alt+S]

Upload succeeded

View details below.

Files and folders (9 Total, 21.7 MB)

Name	Folder	Type	Size	Status	Error
Cafe-Owner...	images/	image/png	2.7 MB	Succeeded	-
Cake-Vitrine...	images/	image/png	3.8 MB	Succeeded	-
Coffee-and-...	images/	image/png	3.1 MB	Succeeded	-
Coffee-Shop...	images/	image/png	726.8 KB	Succeeded	-
Cookies.png	images/	image/png	1.4 MB	Succeeded	-
Cup-of-Hot-...	images/	image/png	3.6 MB	Succeeded	-
Strawberry-...	images/	image/png	2.9 MB	Succeeded	-
Strawberry-...	images/	image/png	3.4 MB	Succeeded	-
index.html	-	text/html	2.9 KB	Succeeded	-

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Module 3 Challenge Lab - Cre... | Bucket policy examples - Amaz... | 1zb3s4zief.execute-api.us-east-... | website-dinnertime11 - S3 bu... | 403 Forbidden

s3.console.aws.amazon.com/s3/buckets/website-dinnertime11?region=us-east-1&bucketType=general&tab=permissions

AWS Services Search [Alt+S]

Successfully edited bucket policy.

Amazon S3 > Buckets > website-dinnertime11

website-dinnertime11 [Info](#)

Objects Properties Permissions Metrics Management Access Points

Permissions overview

Access Objects can be public

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Edit

Block all public access

Off

Individual Block Public Access settings for this bucket

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Module 3 Challenge Lab - Cre... | Bucket policy examples - Amaz... | 1zb3s4zief.execute-api.us-east-... | website-dinnertime11 - S3 bu... | Welcome to the Café!

Not secure website-dinnertime11.s3-website-us-east-1.amazonaws.com

Café



The Café offers an assortment of delicious and delectable pastries and coffees that will put a smile on your face. From cookies to croissants, tarts and cakes, each treat is specially prepared to excite your tastebuds and brighten your day!

Frank bakes a rich variety of cookies. Try them all!



Our tarts are always a customer favorite!



Tea  
Coffee  
Latte  
Hot Chocolate  
Yes, we have it!

Module 3 Challenge Lab - Cre... Bucket policy examples - Amaz... 1zb3s4zief.execute-api.us-east-1... Edit versioning - S3 bucket we... Welcome to the Café!

s3.console.aws.amazon.com/s3/bucket/website-dinnertime11/property/versioning/edit?region=us-east-1&bucketType=general

Services Search [Alt+S] Global voclabs/user2969502: @ 4711-1250-2666

Amazon S3 > Buckets > website-dinnertime11 > Edit Bucket Versioning

## Edit Bucket Versioning Info

**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**

**Suspend**  
This suspends the creation of object versions for all operations but preserves any existing object versions.

**Enable**

ⓘ After enabling Bucket Versioning, you might need to update your lifecycle rules to manage previous versions of objects.

**Multi-factor authentication (MFA) delete**

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

Disabled

Cancel **Save changes**

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Module 3 Challenge Lab - Cre... Bucket policy examples - Amaz... 1zb3s4zief.execute-api.us-east-1... website-dinnertime11 - S3 bu... Welcome to the Café!

s3.console.aws.amazon.com/s3/buckets/website-dinnertime11?region=us-east-1&bucketType=general&tab=properties

Services Search [Alt+S] Global voclabs/user2969502: @ 4711-1250-2666

Amazon S3 > Buckets > website-dinnertime11

## website-dinnertime11 Info

Objects Properties Permissions Metrics Management Access Points

**Bucket overview**

AWS Region US East (N. Virginia) us-east-1	Amazon Resource Name (ARN) <code>arn:aws:s3:::website-dinnertime11</code>	Creation date February 24, 2024, 15:54:57 (UTC+05:30)
---	--	--

**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**

Enabled

**Multi-factor authentication (MFA) delete**

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. [Learn more](#)

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Module 3 Challenge Lab - Create | Bucket policy examples - Amazon S3 | 1zb3s4zief.execute-api.us-east-1.amazonaws.com | Upload objects - S3 bucket website-dinnertime11 | Welcome to the Café! | +

s3.console.aws.amazon.com/s3/upload/website-dinnertime11?region=us-east-1&bucketType=general

AWS Services Search [Alt+S] Global v vocabs/user2969502@ 4711-1250-2666

**Upload succeeded**  
View details below.

### Upload: status

The information below will no longer be available after you navigate away from this page.

#### Summary

Destination	Succeeded s3://website-dinnertime11	Failed 0 files, 0 B (0%)
-------------	--	-----------------------------

**Files and folders** Configuration

**Files and folders (1 Total, 2.9 KB)**

Name	Folder	Type	Size	Status	Error
index.html	-	text/html	2.9 KB	Succeeded	-

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Module 3 Challenge Lab - Create | Bucket policy examples - Amazon S3 | 1zb3s4zief.execute-api.us-east-1.amazonaws.com | Upload objects - S3 bucket website-dinnertime11 | Welcome to the Café! | +

Not secure website-dinnertime11.s3-website-us-east-1.amazonaws.com

Café

The Café offers an assortment of delicious and delectable pastries and coffees that will put a smile on your face. From cookies to croissants, tarts and cakes, each treat is specially prepared to excite your tastebuds and brighten your day!

Frank bakes a rich variety of cookies. Try them all!

Our tarts are always a customer favorite!

Tea  
Coffee  
Latte  
Hot Chocolate  
Yes, we have it!

Module 3 Challenge Lab - Cre... | c107897a25373205934933t1v... | Bucket policy examples - Amazon S3 | S3 Batch Operations jobs | S3 | Welcome to the Café! | +

s3.console.aws.amazon.com/s3/jobs?region=us-east-1 | [Alt+S] | Global | voclabs/user2969502 | @ 4711-1250-2666

Services Search View details X

Successfully created job ID d3a07012-a1aa-4330-bf7d-8abee9e3e47a  
The time it takes to prepare a job is based on the size of the job's manifest and the time required to complete higher-priority jobs.

Amazon S3 > Batch Operations

### Batch Operations Info

A job is used to execute batch operations on a list of S3 objects. The list of S3 objects is contained in a manifest object, which can be an S3 inventory report or a list of objects that you generate. After the total number of objects listed in the manifest has been confirmed, the job status will update to *Awaiting your confirmation to run*, and you must *Run job* within 30 days. Job events are published to CloudWatch Events. Jobs are deleted 90 days after they finish or fail. [Learn more](#)

**Jobs (1)**

Job ID	Status	Description	Operation	Date created	Total objects	% Complete	Total failed (rate)	Priority
d3a07012-a1aa-4330-bf7d-8abee9e3e47a	New	2024-02-24 - Replicate	Replicate	February 24, 2024, 16:53:39 (UTC+05:30)	Not yet available	0%	0 (0%)	10

Run job Actions Clone job Create job

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Module 3 Challenge Lab - Cre... | c107897a25373205934933t1v... | Bucket policy examples - Amazon S3 | Delete objects - S3 bucket website | Welcome to the Café! | +

s3.console.aws.amazon.com/s3/buckets/website-dinnertime11/object/delete?region=us-east-1&bucketType=general&showversions=true | [Alt+S] | Global | voclabs/user2969502 | @ 4711-1250-2666

Services Search View details X

**Delete objects Info**

**Warning:**

- If a folder is selected for deletion, all objects in the folder will be deleted, and any new objects added while the delete action is in progress might also be deleted. If an object is selected for deletion, any new objects with the same name that are uploaded before the delete action is completed will also be deleted.
- Deleting the specified objects can't be undone.

[Learn more](#)

**Specified objects**

Name	Version ID	Type	Last modified
index.html	gXV30Zy9TWvMEp_e7L2x.qQHco8MwWA2	html	February 24, 2024, 16:56:46 (UT)

**Permanently delete objects?**

To confirm deletion, type *permanently delete* in the text input field.

permanently delete

Cancel Delete objects

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Module 3 Challenge Lab - Cre... | c107897a25373205934933t1v... | Bucket policy examples - Amazon S3 | Delete objects - S3 bucket website | Welcome to the Café! | +

s3.console.aws.amazon.com/s3/buckets/website-dinnertime11/object/delete?region=us-east-1&bucketType=general&showversions=true | [Alt+S] | Global | voclabs/user2969502 | @ 4711-1250-2666

Services Search View details below X

Successfully deleted objects

The information below will no longer be available after you navigate away from this page.

**Summary**

Source	Successfully deleted	Failed to delete
s3://website-dinnertime11	1 object, 2.9 KB	0 objects

**Failed to delete** Configuration

**Failed to delete (0)**

Name	Folder	Version ID	Type	Last modified	Size	Error
No objects failed to delete.						

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Module 4 Guided Lab - Intro | SecurityGroups | EC2 | us-east-1 | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroups:

EC2 Dashboard Services Search [Alt+S] N. Virginia voclabs/user2969502 @ 9923-8285-2910

**Security Groups (1/3) Info**

Name	Security group ID	Security group name	VPC ID	Description
-	sg-0a6764a57ee4808b9	default	vpc-07d4b03ef09c927ec	default VPC sec
<input checked="" type="checkbox"/> EFSClient	sg-0d1103aad56410351	EFSClient	vpc-036747c4692bac473	EFS Client
-	sg-024d0984d9f5f7237	default	vpc-036747c4692bac473	default VPC sec

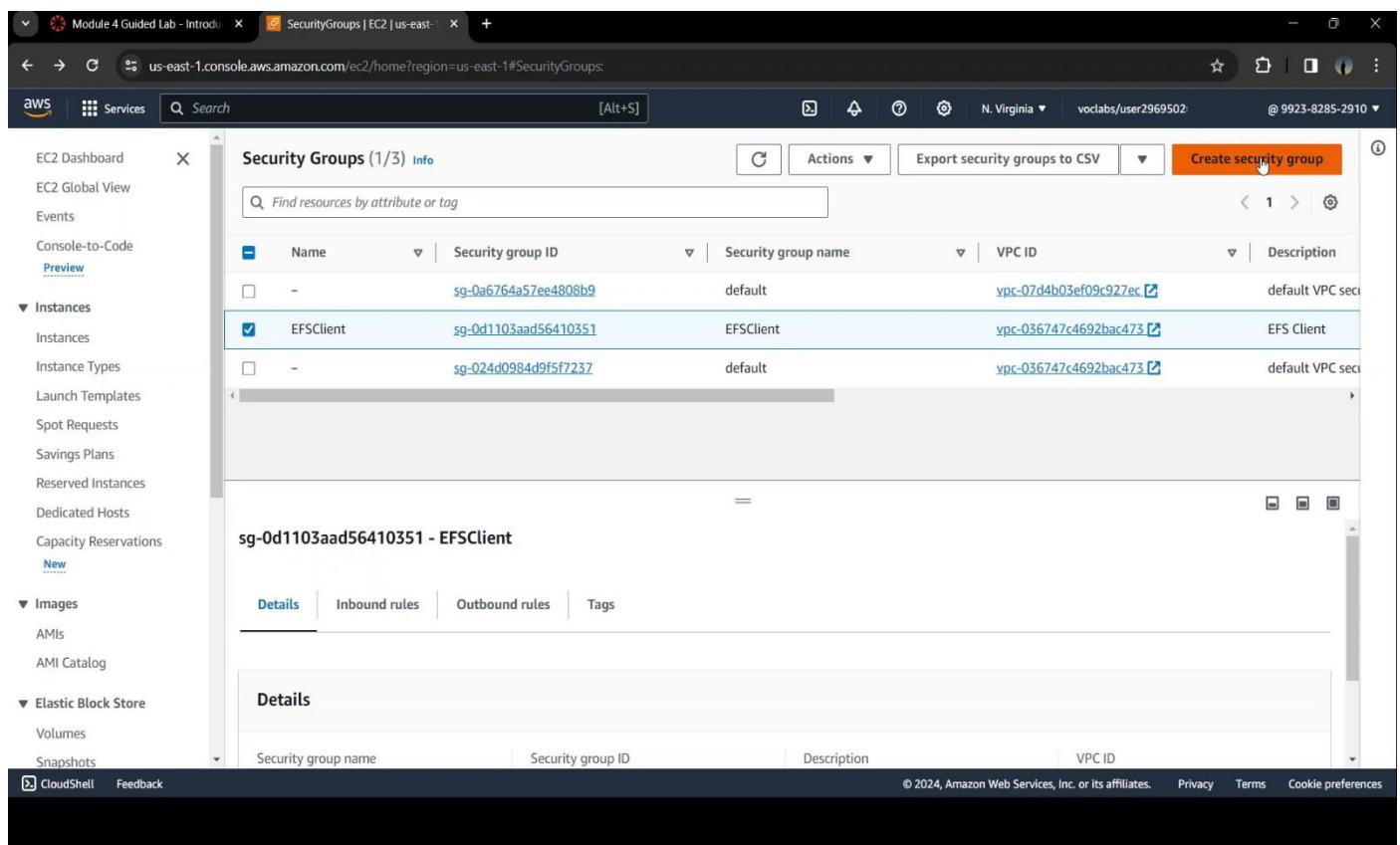
**sg-0d1103aad56410351 - EFSClient**

Details Inbound rules Outbound rules Tags

**Details**

Security group name	Security group ID	Description	VPC ID

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Module 3 Guided Lab - Hosting | Upload objects - S3 bucket well | 403 Forbidden | +

s3.console.aws.amazon.com/s3/upload/website-160?region=us-east-1&bucketType=general

Upload succeeded View details below.

**Summary**

Destination	Succeeded	Failed
s3://website-160	3 files, 14.8 KB (100.00%)	0 files, 0 B (0%)

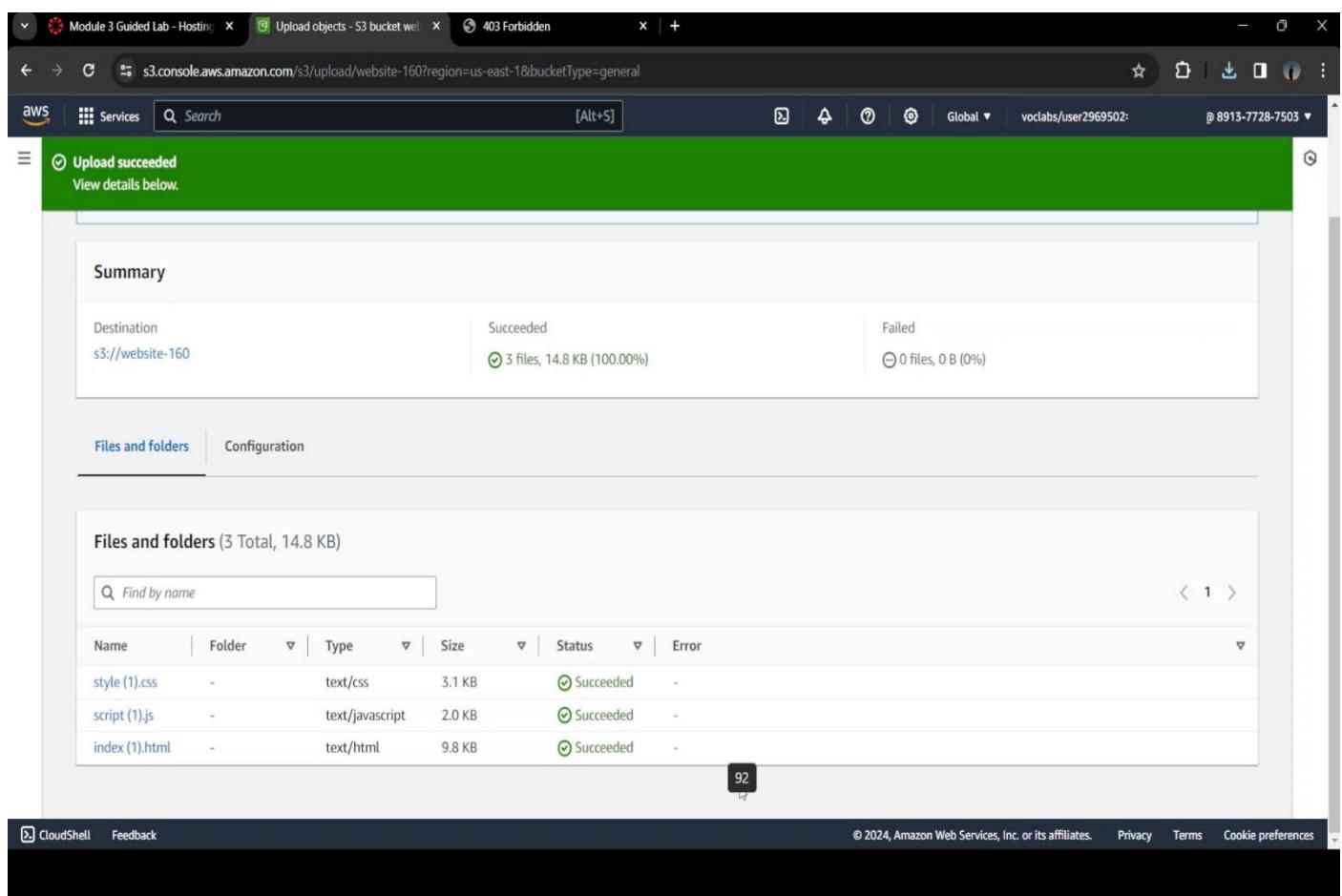
Files and folders Configuration

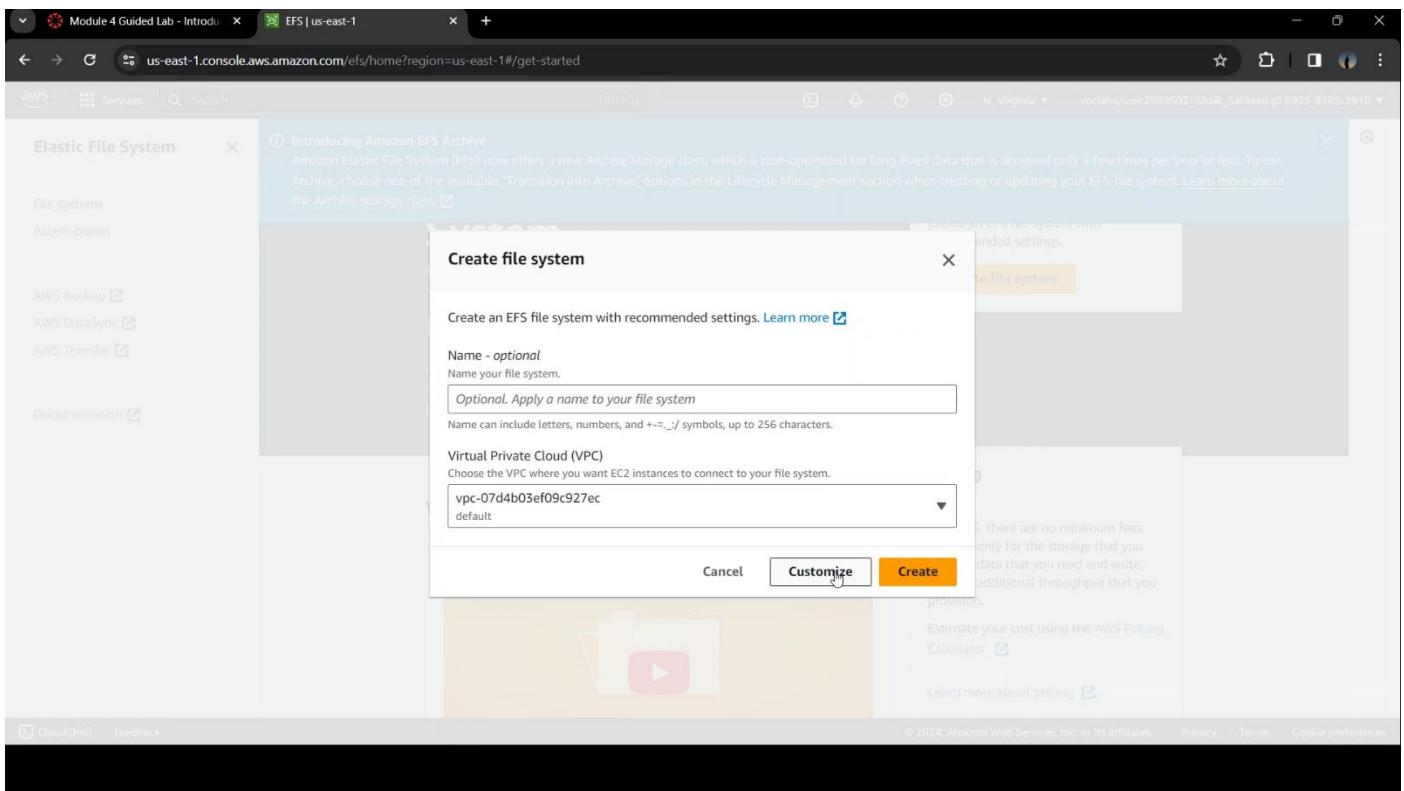
**Files and folders (3 Total, 14.8 KB)**

Name	Folder	Type	Size	Status	Error
style (1).css	-	text/css	3.1 KB	<span>✓ Succeeded</span>	-
script (1).js	-	text/javascript	2.0 KB	<span>✓ Succeeded</span>	-
index (1).html	-	text/html	9.8 KB	<span>✓ Succeeded</span>	-

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The screenshot shows the 'File systems' list page in the AWS EFS console. The top navigation bar includes the AWS logo, 'Services' (selected), a search bar, and account information ('N. Virginia', 'voclabs/user2969502', '9923-8285-2910'). A green success notification at the top left states: 'Success! File system (fs-0d77ad5b403adb515) is available.' Below this, the main content area has a header 'File systems (1)'. It features a table with columns: Name, File system ID, Encrypte, Total size, Size in Standard, Size in IA, Size in Archive, and Provisioned Throughput (MiB/s). A single row is shown, representing the newly created file system: 'My First EFS File System' (File system ID: fs-0d77ad5b403adb515, Encrypted: checked, Total size: 0 Bytes, Size in Standard: 0 Bytes, Size in IA: 0 Bytes, Size in Archive: 0 Bytes, Provisioned Throughput: - MiB/s).

Module 4 Guided Lab - Introductory | Amazon EFS - file systems list | Instances | EC2 | us-east-1 | Download PuTTY: latest release | +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:instanceState=running

AWS Services Search [Alt+S]

EC2 Dashboard | EC2 Global View | Events | Console-to-Code | Preview | Instances | Instances | Instance Types | Launch Templates | Spot Requests | Savings Plans | Reserved Instances | Dedicated Hosts | Capacity Reservations | New | Images | AMIs | AMI Catalog | Elastic Block Store | Volumes | Snapshots | CloudShell | Feedback

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Instance state = running

Clear filters

Name: EFS Client | Instance ID: i-04a3b007e3ac275bd | Instance state: Running | Instance type: t2.micro | Status check: 2/2 checks passed | Alarm status: View alarms | Availability Zone: us-east-1a

Launch instances

Instance: i-04a3b007e3ac275bd (EFS Client)

Details | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID: i-04a3b007e3ac275bd (EFS Client)

IPv6 address: -

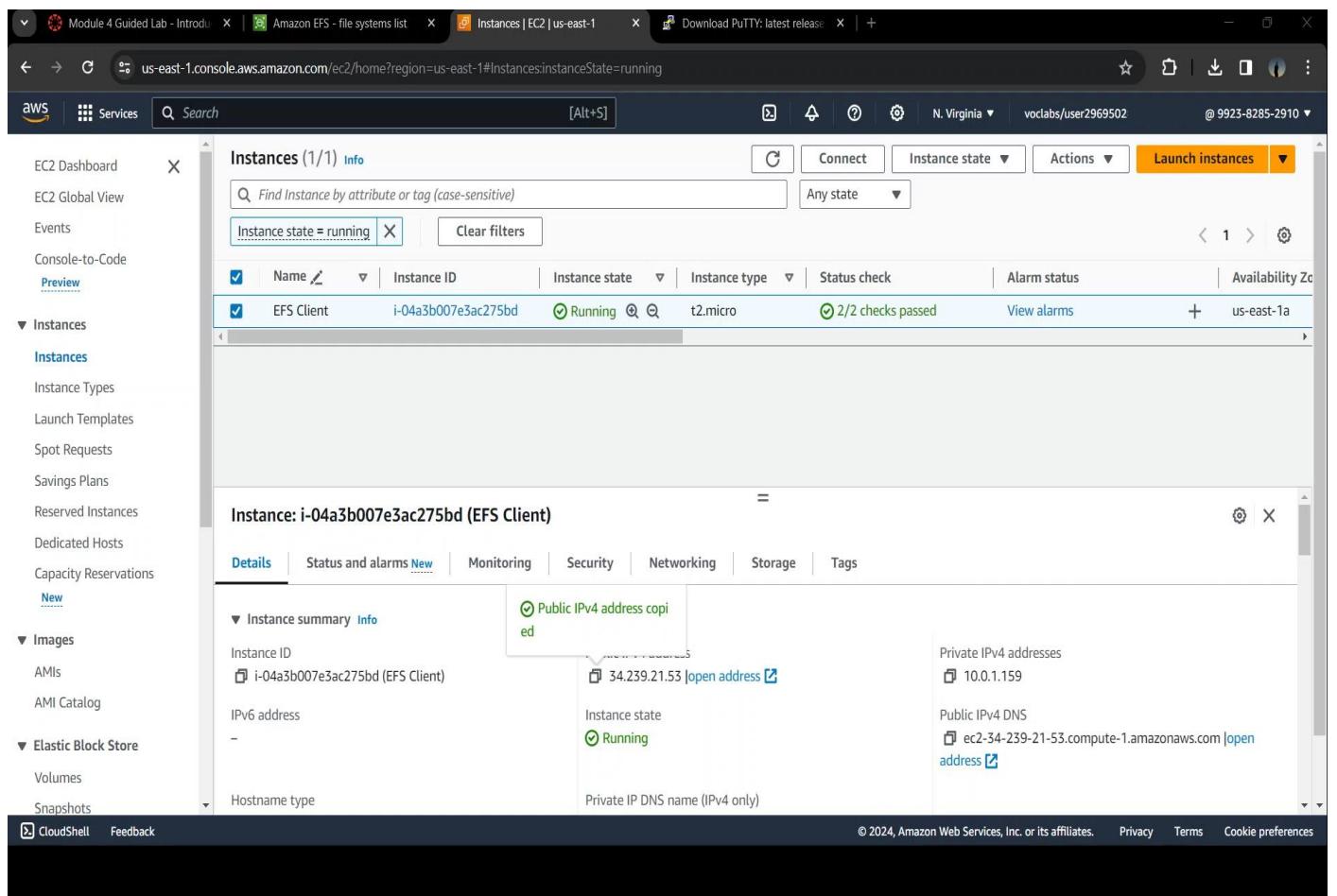
Hostname type: Hostname type

Public IPv4 address copied: 34.239.21.53 | Open address

Private IPv4 addresses: 10.0.1.159

Public IPv4 DNS: ec2-34-239-21-53.compute-1.amazonaws.com | Open address

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Module 4 Guided Lab - Introductory | Amazon EFS - file systems list | Instances | EC2 | us-east-1 | Download PuTTY: latest release | +

us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems

AWS Services Search [Alt+S] N. Virginia v vocabs/user2969502- @ 9923-8285-2910

## Elastic File System

Success! File system (fs-0d77ad5b403adb515) is available.

File systems (1)

Amazon EFS > File systems

Name	File system ID	Encrypted	Total size	Size in Standard	Size in IA	Size in Archive	Provisioned Throughput (MiB/s)
My First EFS File System	fs-0d77ad5b403adb515	Encrypted	6.00 KiB	6.00 KiB	0 Bytes	0 Bytes	-

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Module 4 Guided Lab - Introductory | Amazon EFS - File system config | Instances | EC2 | us-east-1 | Download PuTTY: latest release | +

us-east-1.console.aws.amazon.com/efs/home?region=us-east-1#/file-systems/fs-0d77ad5b403adb515

AWS Services Search [Alt+S] N. Virginia v vocabs/user2969502- @ 9923-8285-2910

## Elastic File System

Introducing Amazon EFS Archive

Amazon Elastic File System (EFS) now offers a new Archive storage class, which is cost-optimized for long-lived data that is accessed only a few times per year or less. To use Archive, choose one of the available "Transition into Archive" options in the Lifecycle Management section when creating or updating your EFS file system. [Learn more about the Archive storage class.](#)

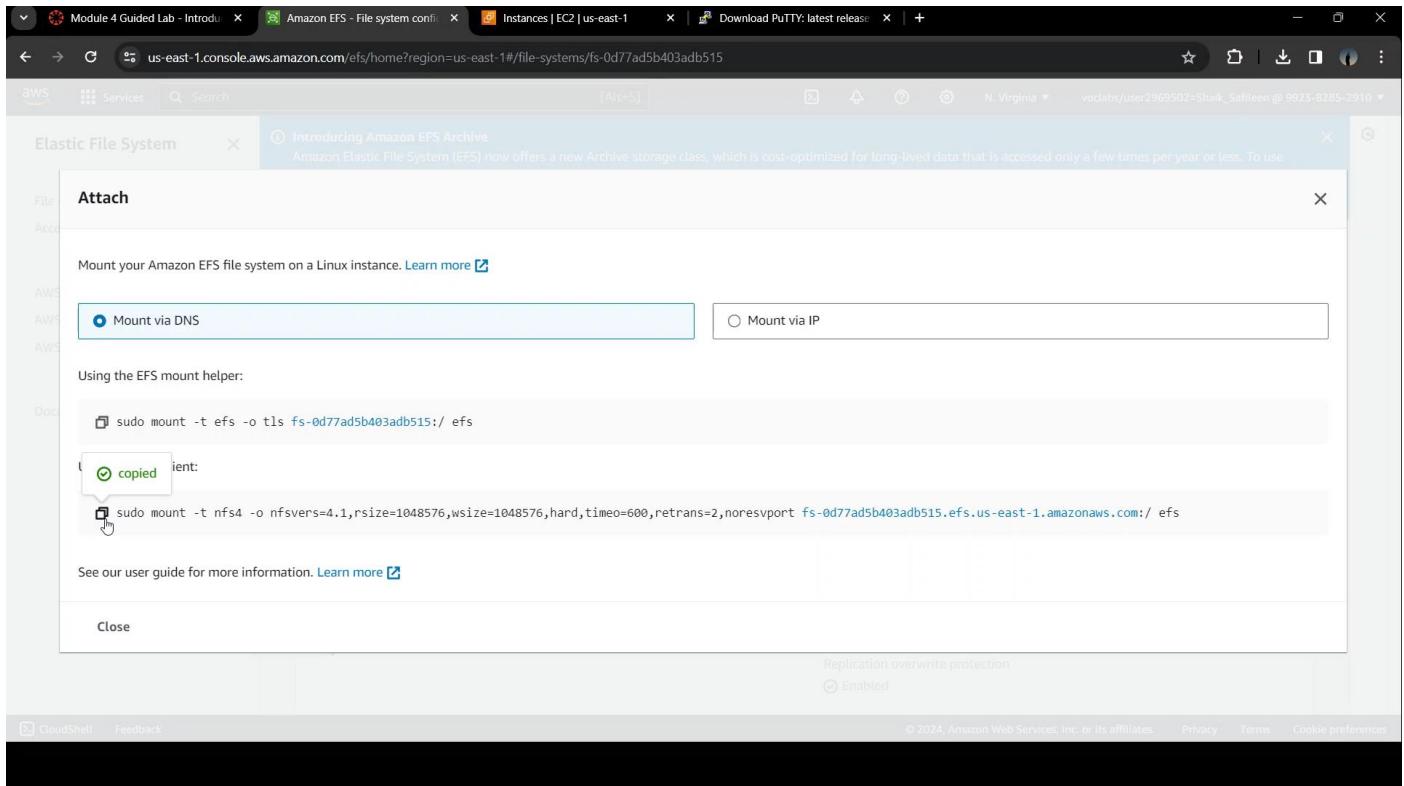
Amazon EFS > File systems > fs-0d77ad5b403adb515

### My First EFS File System (fs-0d77ad5b403adb515)

Delete Attach

General	
Performance mode	Automatic backups
General Purpose	Disabled
Throughput mode	Encrypted
Elastic	c903a06a-e725-45ea-8c10-3ce8e7b628b1 (aws/elasticfilesystem)
Lifecycle management	File system state
Transition into Infrequent Access (IA): None	Available
Transition into Archive: None	DNS name
Transition into Standard: None	fs-0d77ad5b403adb515.efs.us-east-1.amazonaws.com
Availability zone	Replication overwrite protection
Regional	Enabled

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Screenshot of the AWS Cloud Home console showing the Services menu and a list of database services.

**Services**

- Recently visited
- Favorites
- All services

Amazon DocumentDB  
Fully-managed MongoDB-compatible database service

DynamoDB  
Managed NoSQL Database

ElastiCache  
In-Memory Cache

Amazon Keyspaces  
Serverless Cassandra-compatible database

Amazon MemoryDB for Redis  
Fully managed, Redis-compatible, in-memory database service

Neptune  
Fast, reliable graph database built for the cloud

Amazon QLDB  
Fully managed ledger database

RDS  
Managed Relational Database Service

Amazon Timestream  
Amazon Timestream is a fast, scalable, and serverless time series database for IoT and operational applications.

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Screenshot of the AWS RDS creation wizard for MySQL.

**IAM role**  
The following service-linked role is used for publishing logs to CloudWatch Logs.  
RDS service-linked role

**Maintenance**  
Auto minor version upgrade Info  
 Enable auto minor version upgrade  
Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database.

**Maintenance window** Info  
Select the period you want pending modifications or maintenance applied to the database by Amazon RDS.  
 Choose a window  
 No preference

**Deletion protection**  
 Enable deletion protection  
Protects the database from being deleted accidentally. While this option is enabled, you can't delete the database.

**MySQL**  
MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

- Supports database size up to 64 TiB.
- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
- Supports automated backup and point-in-time recovery.
- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.

Cancel Create database

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Screenshot of the AWS RDS Databases page showing a successfully created database.

**Amazon RDS**

**Successfully created database inventory-db**  
You can use settings from inventory-db to simplify configuration of suggested database add-ons while we finish creating your DB for you.

**Introducing Aurora I/O-Optimized**  
Aurora's I/O-Optimized is a new cluster storage configuration that offers predictable pricing for all applications and improved price-performance, with up to 40% costs savings for I/O-intensive applications.

**Databases (1)**

DB identifier	Status	Role	Engine	Region & AZ	Size	Recommendations	CPU
inventory-db	Available	Instance	MySQL Community	us-east-1a	db.t3.micro		

Group resources Modify Actions ▾ Restore from S3 Create database

Filter by databases

Events Event subscriptions

CloudShell Feedback

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RDS | us-east-1 Instances | EC2 | us-east-1 Inventory System

Not secure 54.205.195.246/settings.php

Inventory Settings

Endpoint: inventory-db.c78ke4keu3it.us-east-1.rds.amazonaws.com

Database: inventory

Username: admin

Password: lab-password

Save

RDS | us-east-1 Instances | EC2 | us-east-1 Inventory System

Not secure 54.205.195.246

Inventory Settings

Store	Item	Quantity
Puerto Rico	Amazon Echo	12
Paris	Amazon Dot	3
Detroit	Amazon Tap	5

+ Add Inventory

This page was generated by instance i-02a61da813205df30 in Availability Zone us-east-1a.

Module 6 Guided Lab - Creating VPCs

vpc | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#vpcs:

VPC dashboard EC2 Global View Filter by VPC: Select a VPC Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections Security Network ACLs Feedback 29°C Mostly cloudy

Your VPCs (2) info

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCI
Shared VPC	vpc-0c604256b3766314a	Available	10.5.0.0/16	-	dopt-
-	vpc-0761c52884b056101	Available	172.31.0.0/16	-	dopt-

Select a VPC above

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VpcDetails | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetails:vpcId=vpc-0440729d61c2d922a

VPC dashboard EC2 Global View Filter by VPC: Select a VPC Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections Security Network ACLs CloudShell Feedback 29°C Mostly cloudy

You successfully created vpc-0440729d61c2d922a / Lab VPC

VPC > Your VPCs > vpc-0440729d61c2d922a Actions

vpc-0440729d61c2d922a / Lab VPC

Details Info

VPC ID vpc-0440729d61c2d922a	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-0cf6f2db34506ecef	Main route table rtb-05d2260e0c5b41948	Main network ACL acl-09f8692f00ec86490
Default VPC No	IPv4 CIDR 10.0.0.0/16	IPv6 pool -	IPv6 CIDR (Network border group) -
Network Address Usage metrics Disabled	Route 53 Resolver DNS Firewall rule groups Failed to load rule groups	Owner ID 767397924045	

Resource map CIDRs Flow logs Tags Integrations

Resource map Info

VPC Show details Subnets (0) Route tables (1) Netw

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VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#CreateSubnet

aws Services Search [Alt+S] N. Virginia voclabs/user2969502 @ 7673-9792-4045

**Subnets (8) Info**

Name	Subnet ID	State	VPC	IPv4 CIDR
subnet-095a8181a6c012d4f	Available	vpc-0761c52884b056101	172.31.0.0/20	
subnet-007a7feeed18688d	Available	vpc-0c604256b3766314a   Sha...	10.5.2.0/23	
subnet-0b798ba9d08875525	Available	vpc-0761c52884b056101	172.31.16.0/20	
subnet-0090a360dd64d1834	Available	vpc-0761c52884b056101	172.31.48.0/20	
subnet-0b9eca947347d3893	Available	vpc-0761c52884b056101	172.31.32.0/20	
subnet-0fc54551c0b2f1815	Available	vpc-0761c52884b056101	172.31.64.0/20	

Select a subnet

CloudShell Feedback 29°C Mostly cloudy 10:29 PM 02-03-2024 ENG IN

Subnets | VPC Management Co.

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets:SubnetId=subnet-009dc2fa4096ea80a

N. Virginia voclabs/user2969502 @ 7673-9792-4045

You have successfully created 1 subnet: subnet-009dc2fa4096ea80a

**Subnets (1) Info**

Name	Subnet ID	State	VPC	IPv4 CIDR
Public Subnet	subnet-009dc2fa4096ea80a	Available	vpc-0440729d61c2d922a   Lab ...	10.0.0.0/24

subnet-009dc2fa4096ea80a / Public Subnet

Details Flow logs Route table Network ACL CIDR reservations Sharing Tags

Subnet ID: subnet-009dc2fa4096ea80a Subnet ARN: arn:aws:ec2:us-east-1:767397924045:subnet/subnet-009dc2fa4096ea80a State: Available IPv4 CIDR: 10.0.0.0/24 Available IPv4 addresses: 251 Availability Zone: us-east-1a Availability Zone ID: us-east-1az6

CloudShell Feedback 29°C Mostly cloudy 10:30 PM 02-03-2024 ENG IN

Subnets | VPC Management Co.

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets:SubnetId=subnet-0158ce493e80f1252

N. Virginia voclabs/user2969502 @ 7673-9792-4045

You have successfully created 1 subnet: subnet-0158ce493e80f1252

**Subnets (1) Info**

Name	Subnet ID	State	VPC	IPv4 CIDR
Private Subnet	subnet-0158ce493e80f1252	Available	vpc-0440729d61c2d922a   Lab ...	10.0.2.0/23

Select a subnet

Subnets | VPC Management Co. Module 6 Guided Lab -

CloudShell Feedback 29°C Mostly cloudy 10:31 PM 02-03-2024 ENG IN

Create internet gateway | VPC

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#CreateInternetGateway:

AWS Services Search [Alt+S] N. Virginia vocabs/user2969502- @ 7673-9792-4045

VPC > Internet gateways > Create internet gateway

## Create internet gateway Info

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

### Internet gateway settings

Name tag  
Creates a tag with a key of 'Name' and a value that you specify.

**Tags - optional**  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key  Value - optional  Remove

Add new tag  
You can add 49 more tags.

Cancel **Create internet gateway**

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Attach internet gateway | VPC

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#AttachInternetGateway:internetGatewayId=igw-0a1170a6a4cc9dd28

AWS Services Search [Alt+S] N. Virginia vocabs/user2969502- @ 7673-9792-4045

VPC > Internet gateways > Attach to VPC (igw-0a1170a6a4cc9dd28)

## Attach to VPC (igw-0a1170a6a4cc9dd28) Info

**VPC**  
Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

**Available VPCs**  
Attach the internet gateway to this VPC.

AWS Command Line Interface command

Cancel **Attach internet gateway**

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CreateRouteTable | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#CreateRouteTable:

VPC > Route tables > Create route table

### Create route table Info

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

**Route table settings**

Name - *optional*  
Create a tag with a key of 'Name' and a value that you specify.

VPC  
The VPC to use for this route table.

**Tags**  
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - <i>optional</i>
<input type="text" value="Name"/>	<input type="text" value="Public Route Table"/>

You can add 49 more tags.

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RouteTableDetails | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-0b6573f0a71d7c839

VPC dashboard

EC2 Global View

Filter by VPC:

Virtual private cloud

Your VPCs

Subnets

**Route tables**

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

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29°C Mostly cloudy 1033 PM 02-03-2024

Route table rtb-0b6573f0a71d7c839 | Public Route Table was created successfully.

VPC > Route tables > rtb-0b6573f0a71d7c839

### rtb-0b6573f0a71d7c839 / Public Route Table

**Details** Info

Route table ID <input type="text" value="rtb-0b6573f0a71d7c839"/>	Main <input checked="checked" type="checkbox"/>	Explicit subnet associations -	Edge associations -
VPC <input type="text" value="vpc-0440729d61c2d922a   Lab VPC"/>	Owner ID <input type="text" value="767397924045"/>		

**Routes**

Destination	Target	Status	Propagated
10.0.0.0/16	local	<input checked="checked" type="checkbox"/>	No

SecurityGroups | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#SecurityGroups:

AWS Services Search [Alt+S] N. Virginia voclabs/user2969502: @ 7673-9792-4045

Filter by VPC: Select a VPC

Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections

Security Network ACLs Security groups

DNS firewall CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 29°C Mostly cloudy ENG IN 10:35 PM 02-03-2024

### Security Groups (4) Info

Name	Security group ID	Security group name	VPC ID	Description
-	sg-08e3279364469c0cd	default	vpc-0761c52884b056101	default VPC sec
DB-SG	sg-02090b2970036045a	DB-SG	vpc-0c604256b3766314a	Enable access to
-	sg-058a20518cdd58048	default	vpc-0c604256b3766314a	default VPC sec
-	sg-0938fbf5a1357cd53	default	vpc-0440729d61c2d922a	default VPC sec

SecurityGroup | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#SecurityGroup:groupId=sg-0ce258770bddf959f

AWS Services Search [Alt+S] N. Virginia voclabs/user2969502: @ 7673-9792-4045

Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections

Security Network ACLs

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Security group (sg-0ce258770bddf959f | App-SG) was created successfully

Details

VPC > Security Groups > sg-0ce258770bddf959f - App-SG

sg-0ce258770bddf959f - App-SG Actions

**Details**

Security group name	App-SG	Security group ID	sg-0ce258770bddf959f	Description	Allow HTTP traffic	VPC ID	vpc-0440729d61c2d922a
Owner	767397924045	Inbound rules count	0	Outbound rules count	1 Permission entry		

Inbound rules Outbound rules Tags

**Inbound rules**

Search

Module 6 Guided Lab - ...

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SecurityGroup | VPC Console   Launch an instance | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:

AWS Services Search [Alt+S] N. Virginia vocabs/user2969502 @ 7673-9792-4045

EC2 > Instances > Launch an instance

**Success**  
Successfully initiated launch of instance (i-030d75a3ec0b2eaaf)

▶ Launch log

**Next Steps**

What would you like to do next with this instance, for example "create alarm" or "create backup"

1 2 3 4 5 6 >

Create billing and free tier usage alerts  
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.  
Create billing alerts

Connect to your instance  
Once your instance is running, log into it from your local computer.  
Connect to instance Learn more

Connect an RDS database  
Configure the connection between an EC2 instance and a database to allow traffic flow between them.  
Connect an RDS database Create a new RDS database Learn more

Create EBS snapshot policy  
Create a policy that automates the creation, retention, and deletion of EBS snapshots  
Create EBS snapshot policy

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29°C Mostly cloudy ENG IN 10:38 PM 02-03-2024

SecurityGroups | VPC Console | Instances | EC2 | us-east-1 | Inventory System

Not secure ec2-54-145-191-246.compute-1.amazonaws.com

Inventory Settings

Please configure Settings to connect to database

This page was generated by instance i-0004938dd57473c72 in Availability Zone us-east-1a.

28°C Mostly sunny 28°C Mostly sunny 10:29 AM 03-03-2024

Module 7 Guided Lab - Creating a VPC Peering Connection

CreatePeeringConnection | VPC

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#CreatePeeringConnection:

AWS Services Search [Alt+S] N. Virginia vclabs/user2969502- @ 4711-1265-7489

VPC > Peering connections > Create peering connection

## Create peering connection

A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them privately.

**Info**

**Peering connection settings**

Name - *optional*  
Create a tag with a key of 'Name' and a value that you specify.

**Select a local VPC to peer with**

VPC ID (Requester)

VPC CIDRs for vpc-06e1dd65c6a113f33 (Lab VPC)

CIDR	Status	Status reason
10.0.0.0/16	Associated	-

**Select another VPC to peer with**

Account  
 My account

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28°C Mostly sunny

Module 7 Guided Lab - Creating a VPC Peering Connection

PeeringConnectionDetails | VPC

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#PeeringConnectionDetails:vpcPeeringConnectionId=pxc-05ebeaea4e2b99b8

AWS Services Search [Alt+S] N. Virginia vclabs/user2969502- @ 4711-1265-7489

VPC dashboard X

EC2 Global View Filter by VPC: Select a VPC

Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections Security Network ACLs

Peering connections > pxc-05ebeaea4e2b99b8 / Lab-Peer Actions

**pxc-05ebeaea4e2b99b8 / Lab-Peer**

Pending acceptance You can accept or reject this peering connection request using the 'Actions' menu. You have until Sunday, March 10, 2024 at 10:38:28 GMT+5:30 to accept or reject the request, otherwise it expires.

**Details** Info

Requester owner ID <input type="text" value="471112657489"/>	Acceptor owner ID <input type="text" value="471112657489"/>	VPC Peering connection ARN <input type="text" value="arn:aws:ec2:us-east-1:471112657489:vpc-peering-connection/pxc-05ebeaea4e2b99b8"/>
Peering connection ID <input type="text" value="pxc-05ebeaea4e2b99b8"/>	Requester VPC <input type="text" value="vpc-06e1dd65c6a113f33 / Lab VPC"/>	Acceptor VPC <input type="text" value="vpc-018b34941fdd499e4 / Shared VPC"/>
Status <input type="text" value="Pending Acceptance by 471112657489"/>	Requester CIDRs <input type="text" value="10.0.0.0/16"/>	Acceptor CIDRs <input type="text" value="-"/>
Expiration time <input type="text" value="Sunday, March 10, 2024 at 10:38:28 GMT+5:30"/>	Requester Region <input type="text" value="N. Virginia (us-east-1)"/>	Acceptor Region <input type="text" value="N. Virginia (us-east-1)"/>

ClassicLink DNS Route tables Tags

ClassicLink settings Edit ClassicLink settings

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28°C Mostly sunny

Module 7 Guided Lab - Creating > EditRoutes | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#EditRoutes:RouteTableId=rtb-026275e1cdbb58d77

VPC > Route tables > rtb-026275e1cdbb58d77 > Edit routes

## Edit routes

Destination	Target	Status	Propagated
10.5.0.0/16	local	Active	No
Q 10.0.0.0/16	Peering Connection	-	No
Q pcx-05ebeaea4e2b99b8	X		

Add route

Cancel Preview Save changes

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Module 7 Guided Lab - Creating > EditRoutes | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#EditRoutes:RouteTableId=rtb-027cadf6bec94fdc8

VPC > Route tables > rtb-027cadf6bec94fdc8 > Edit routes

## Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
Q 0.0.0.0/0	Internet Gateway	Active	No
Q igw-0b7d3ae6da3e233fc	X		
Q 10.5.0.0/16	Peering Connection	-	No
Q pcx-05ebeaea4e2b99b8	X		
Use: "pcx-05ebeaea4e2b99b8"			
pcx-05ebeaea4e2b99b8 (Lab-Peer)			

Add route

Cancel Preview Save changes

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Module 7 Guided Lab - Creating | RouteTableDetails | VPC Console | Instances | EC2 | us-east-1 | Inventory System

Not secure ec2-50-17-119-124.compute-1.amazonaws.com/settings.php

Inventory Settings

Endpoint: inventory-db.cbc66mmi6mne.us-east-1.rds.amazonaws.com

Database: inventory

Username: admin

Password: lab-password

Save



Module 7 Guided Lab - Creating | RouteTableDetails | VPC Console | Instances | EC2 | us-east-1 | Inventory System

Not secure ec2-50-17-119-124.compute-1.amazonaws.com

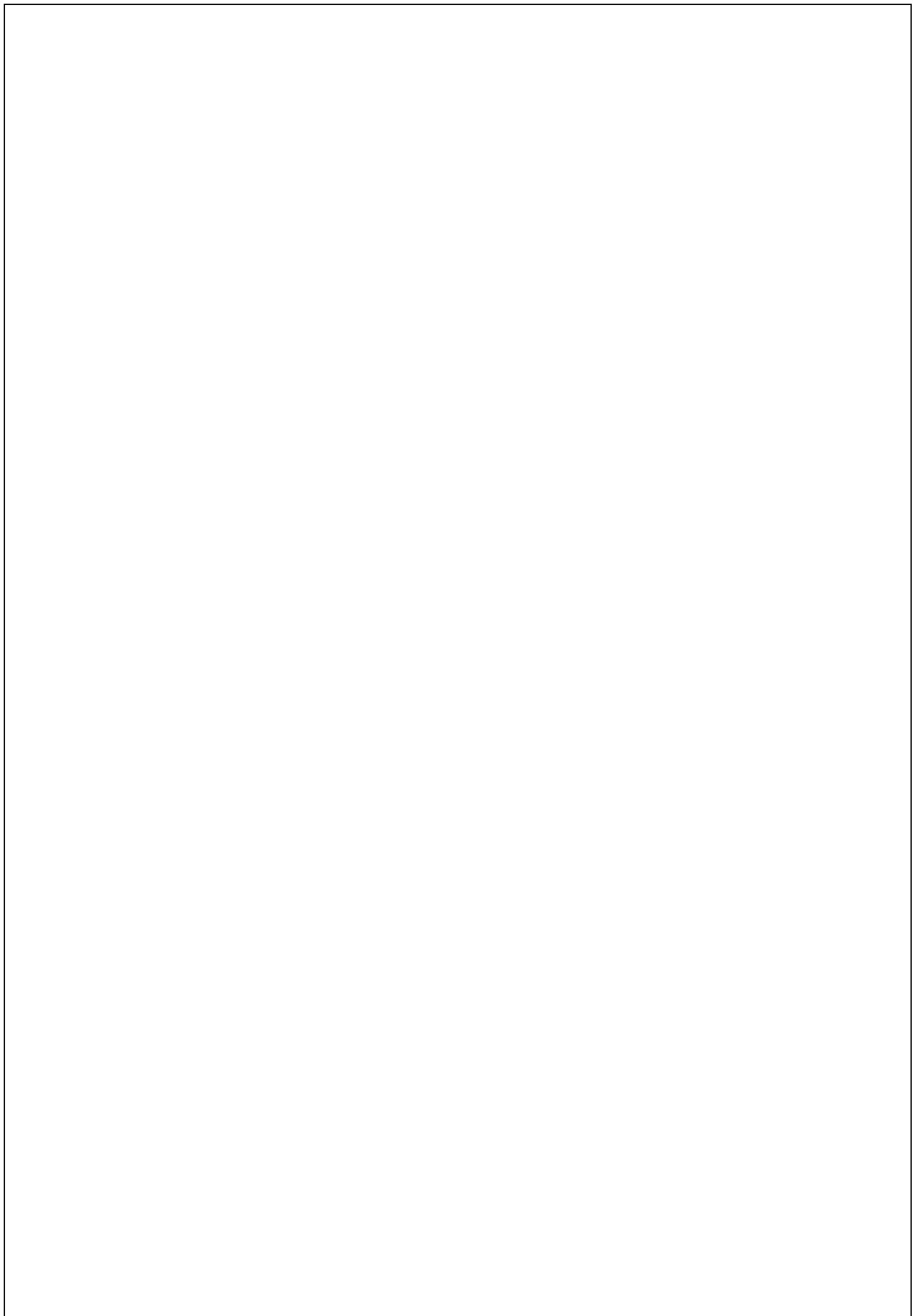
Inventory

Store	Item	Quantity
Puerto Rico	Amazon Echo	12
Paris	Amazon Dot	3
Detroit	Amazon Tap	5

+ Add Inventory

This page was generated by instance i-01f049dd4114df7eb in Availability Zone us-east-1a.





Module 9 Guided Lab - Creating vpcs | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#vpcs:

VPC dashboard EC2 Global View Filter by VPC: Select a VPC Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections Security Network ACLs CloudShell Feedback 28°C Mostly sunny

Your VPCs (1/2) Info

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR	DHCP options
-	vpc-065dbb91a34468a1c	Available	172.31.0.0/16	-	dopt-0e
<input checked="" type="checkbox"/> Lab VPC	vpc-0a29b6f95b164036a	Available	10.0.0.0/16	-	dopt-0e

Details Resource map CIDRs Flow logs Tags Integrations

**Details**

VPC ID vpc-0a29b6f95b164036a	State Available	DNS hostnames Enabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-0e34fb6e1b3d7108c	Main route table rtb-0fda6fec0655d1630	Main network ACL acl-053b63e3a9da4cc71

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Module 9 Guided Lab - Creating RouteTables | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#RouteTables:

VPC dashboard EC2 Global View Filter by VPC: Select a VPC Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections Security Network ACLs CloudShell Feedback 28°C Mostly sunny

Route tables (4) Info

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
Private Route Table 1	rtb-075a89bcaa25b3802	2 subnets	-	No	vpc-0a29b6f95b164036a
-	rtb-009a81eeaf3938df3	-	-	Yes	vpc-065dbb91a34468a1c
-	rtb-0fda6fec0655d1630	-	-	Yes	vpc-0a29b6f95b164036a
Public Route Table	rtb-02774c937f0bbfebf	2 subnets	-	No	vpc-0a29b6f95b164036a

Select a route table

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Module 9 Guided Lab - Creating NatGateways | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#NatGateways:

VPC dashboard EC2 Global View Filter by VPC: Select a VPC Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections Security Network ACLs CloudShell Feedback 28°C Mostly sunny

NAT gateways (1) Info

Name	NAT gateway ID	Connectivity	State	State message	Primary public IP	Primary private IP
-	nat-00d3c792407237e57	Public	Available	-	75.101.177.251	10.0.0.18

Select a NAT gateway

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Module 9 Guided Lab - Creating Network ACLs

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#acl:

aws Services Search [Alt+S] Actions Create network ACL

Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections

Security Network ACLs Security groups

DNS firewall Rule groups Domain lists

Network Firewall CloudShell Feedback © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 28°C Mostly sunny ENG IN 05:15 PM 03-03-2024

### Network ACLs (2) Info

Name	Network ACL ID	Associated with	Default	VPC ID	In
-	acl-0eefda2c254567f97	6 Subnets	Yes	vpc-065dbb91a34468a1c	2 I
-	acl-053b63e3a9da4cc71	4 Subnets	Yes	vpc-0a29b6f95b164036a / Lab VPC	2 I

Select a network ACL

Module 9 Guided Lab - Creating Internet Gateways

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#igws:

aws Services Search [Alt+S] Actions Create internet gateway

VPC dashboard EC2 Global View Filter by VPC: Select a VPC

Virtual private cloud Your VPCs Subnets Route tables Internet gateways Egress-only internet gateways Carrier gateways DHCP option sets Elastic IPs Managed prefix lists Endpoints Endpoint services NAT gateways Peering connections

Security Network ACLs

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### Internet gateways (2) Info

Name	Internet gateway ID	State	VPC ID	Owner
-	igw-0df6e54fe8af8e807	Attached	vpc-065dbb91a34468a1c	992382470307
Lab IG	igw-0e6197afa8f09e0e2	Attached	vpc-0a29b6f95b164036a / Lab VPC	992382470307

Select an internet gateway above

Screenshot of the AWS CloudShell interface showing the AWS Management Console. The user is navigating through the EC2 service, specifically the Load Balancers section. The sidebar on the left lists various AWS services like Images, Elastic Block Store, Network & Security, Load Balancing, Auto Scaling, and more. The main content area shows a message about the resource map for Application Load Balancers, followed by a table header for 'Load balancers' with columns for Actions and Create load balancer. A message below states '0 load balancers selected'. The bottom status bar shows the date and time as 05:18 PM 03-03-2024.

Screenshot of the AWS CloudShell interface showing the AWS Management Console. The user has created a new Application Load Balancer named 'Inventory-LB'. A green success message at the top states 'Successfully created load balancer: Inventory-LB'. The main content area shows the 'Inventory-LB' load balancer details page. The 'Details' section includes fields for Load balancer type (Application), Status (Provisioning), VPC (vpc-0a29b6f95b164036a), IP address type (IPv4), Scheme (Internet-facing), Hosted zone (Z355XDOTRQ7X7K), Availability Zones (subnet-01207c2517c8f1ef, subnet-01c195b0bdb78d1c3), and Date created (March 3, 2024, 17:30 (UTC+05:30)). The bottom status bar shows the date and time as 05:30 PM 03-03-2024.

Screenshot of the AWS EC2 Instances page showing a single running instance named "Web Server 1".

**Instances (1/1) Info**

Name	Instance ID	Instance state	Instance type	Status check	Actions
Web Server 1	i-0ec469e8ba842bccf	Running	t2.micro	2/2 checks passed	<a href="#">Connect</a> <a href="#">View details</a> <a href="#">Manage instance state</a> <a href="#">Instance settings</a> <a href="#">Networking</a> <a href="#">Security</a> <a href="#">Create image</a> <a href="#">Image and templates</a> <a href="#">Monitor and troubleshoot</a>

**Instance: i-0ec469e8ba842bccf (Web Server 1)**

**Details** [Status and alarms](#) [Monitoring](#) [Security](#) [Networking](#) [Storage](#) [Tags](#)

**Instance summary**

Instance ID	i-0ec469e8ba842bccf (Web Server 1)	Public IPv4 address	44.202.118.53 <a href="#">Open address</a>	Private IPv4 addresses	10.0.0.71
IPv6 address	-	Instance state	Running	Public IPv4 DNS	ec2-44-202-118-53.compute-1.amazonaws.com <a href="#">Open address</a>
Hostname type	IP name: ip-10-0-0-71.ec2.internal	Private IP DNS name (IPv4 only)	ip-10-0-0-71.ec2.internal	Elastic IP addresses	-
Answer private resource DNS name	-	Instance type	t2.micro		

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Screenshot of the AWS Auto Scaling Groups page.

**Auto Scaling groups (0) info**

Name	Launch template/configuration	Instances	Status	Desired capacity	Min
-	-	-	-	-	-

**0 Auto Scaling groups selected**

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The screenshot shows the AWS EC2 Load Balancers console. On the left, a navigation sidebar lists various services: Images, AMIs, AMI Catalog, Elastic Block Store (Volumes, Snapshots, Lifecycle Manager), Network & Security (Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces), Load Balancing (Load Balancers, Target Groups, Trust Stores), and Auto Scaling (Auto Scaling Groups). The main content area displays an 'Introducing resource map for Application Load Balancers' message. Below it, the 'Load balancers' section shows a search bar with 'Filter load balancers' and a button labeled 'Create load balancer'. A message indicates '0 load balancers selected' and 'Select a load balancer above.' The bottom of the screen shows the Windows taskbar with icons for CloudShell, Feedback, Search, File Explorer, Mail, Microsoft Edge, Google Chrome, WhatsApp, and others.

The screenshot shows the AWS EC2 Launch Templates console. The navigation sidebar includes Services (CloudShell, Feedback, Search, File Explorer, Mail, Microsoft Edge, Google Chrome, WhatsApp, etc.). The main content area shows a green success message: 'Successfully created Inventory-LT(lt-012da83ae9dfc910c.)'. Below this, the 'Next Steps' section provides links to 'Launch an instance', 'Create an Auto Scaling group from your template', 'Create a Spot Fleet', and 'Create Spot Fleet'. The bottom of the screen shows the Windows taskbar with the same set of icons as the previous screenshot.

SecurityGroups | VPC Console   SecurityGroups | EC2 | us-east-1   Auto Scaling groups | EC2 | us-east-1   Images | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroups:

N. Virginia   voclabs/user2969502   @ 9923-8247-0307

EC2 Dashboard   Services   Search   [Alt+S]   Actions   Export security groups to CSV   Create security group

Instances   Images   Elastic Block Store

Console-to-Code   Preview

Instances   Instance Types   Launch Templates   Spot Requests   Savings Plans   Reserved Instances   Dedicated Hosts   Capacity Reservations   New

Images   AMIs   AMI Catalog

Elastic Block Store   Volumes   Snapshots

CloudShell   Feedback

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ENG IN 05:54 PM 03-03-2024

Inbound security group rules successfully modified on security group (sg-03317553031ccf1e4 | Inventory-App)

Details

Security Groups (7) Info

Name	Security group ID	Security group name	VPC ID	Description
-	sg-01cd2825f6cf09a24	Inventory- LB	vpc-0a29b6f95b164036a	Enable web traffic
-	sg-0829c317f1357eb5e	Inventory-LB	vpc-0a29b6f95b164036a	Enable web traffic
-	sg-023d8e4e3a12db30d	default	vpc-065ddb91a34468a1c	default VPC
Inventory-App	sg-03317553031ccf1e4	Inventory-App	vpc-0a29b6f95b164036a	Enable access to app

SecurityGroups | VPC Console   SecurityGroups | EC2 | us-east-1   Auto Scaling groups | EC2 | us-east-1   Images | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#SecurityGroups:

N. Virginia   voclabs/user2969502   @ 9923-8247-0307

EC2 Dashboard   Services   Search   [Alt+S]   Actions   Export security groups to CSV   Create security group

Instances   Images   Elastic Block Store

Console-to-Code   Preview

Instances   Instance Types   Launch Templates   Spot Requests   Savings Plans   Reserved Instances   Dedicated Hosts   Capacity Reservations   New

Images   AMIs   AMI Catalog

Elastic Block Store   Volumes   Snapshots   Lifecycle Manager

Network & Security   Security Groups

Elastic IPs   Placement Groups   Key Pairs   Network Interfaces

Load Balancing   Load Balancers   Target Groups   Trust Stores   New

Auto Scaling   Auto Scaling Groups

CloudShell   Feedback

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ENG IN 05:55 PM 03-03-2024

Inbound security group rules successfully modified on security group (sg-0c23098e5c8a2759a | Inventory-DB)

Details

Security Groups (7) Info

Name	Security group ID	Security group name	VPC ID	Description
Inventory-DB	sg-0c23098e5c8a2759a	Inventory-DB	vpc-0a29b6f95b164036a	Enable access to database
-	sg-01cd2825f6cf09a24	Inventory- LB	vpc-0a29b6f95b164036a	Enable web traffic
-	sg-0829c317f1357eb5e	Inventory-LB	vpc-0a29b6f95b164036a	Enable web traffic
-	sg-023d8e4e3a12db30d	default	vpc-065ddb91a34468a1c	default VPC

Screenshot of the AWS VPC Console showing the Load balancers page. A message box at the top right says "Introducing resource map for Application Load Balancers". Below it, a table lists one load balancer named "Inventory-LB". The table includes columns for Name, DNS name, State, VPC ID, Availability Zones, and Type. The DNS name is "Inventory-LB-109003537.us-east-1.elb.amazonaws.com". A tooltip shows the copied DNS name. The navigation bar on the left includes sections for Images, AMIs, AMI Catalog, Elastic Block Store, Volumes, Snapshots, Lifecycle Manager, Network & Security, Security Groups, Elastic IPs, Placement Groups, Key Pairs, Network Interfaces, Load Balancing, Load Balancers, Target Groups, Trust Stores, Auto Scaling, and Auto Scaling Groups.

Screenshot of a web browser showing the URL "inventory-lb-109003537.us-east-1.elb.amazonaws.com". The page displays a "Please configure Settings to connect to database" message. At the bottom, it states "This page was generated by instance i-0a69f40daf470b141 in Availability Zone us-east-1a". The browser toolbar at the bottom includes icons for CloudShell, Feedback, Search, and various application icons. The system tray at the bottom right shows weather (28°C, Mostly sunny), battery level (ENG IN), and the date/time (03-03-2024, 06:00 PM).

Screenshot of the AWS EC2 Instances page showing three running instances: Inventory-App (i-05a51bc9990d1c7ae), Inventory-App (i-0a69f40daf470b141), and Web Server 1 (i-0ec469e8ba842bccf). The instance i-05a51bc9990d1c7ae is selected.

**Instances (1/3) Info**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
Inventory-App	i-05a51bc9990d1c7ae	Running	t2.micro	2/2 checks passed	View alarms
Inventory-App	i-0a69f40daf470b141	Running	t2.micro	2/2 checks passed	View alarms
Web Server 1	i-0ec469e8ba842bccf	Running	t2.micro	2/2 checks passed	View alarms

**Instance: i-05a51bc9990d1c7ae (Inventory-App)**

**Details** | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

**Instance summary**

Instance ID	i-05a51bc9990d1c7ae (Inventory-App)	Public IPv4 address	Private IPv4 addresses
IPv6 address	-	Running	10.0.4.227
Hostname type	IP name: ip-10-0-4-227.ec2.internal	Private IP DNS name (IPv4 only)	Public IPv4 DNS
Answer private resource DNS name	-	ip-10-0-4-227.ec2.internal	-
Auto-assigned IP address	VPC ID	Instance type	Elastic IP addresses

Screenshot of the AWS EC2 Instances page showing the same three instances. A confirmation message "Successfully terminated i-05a51bc9990d1c7ae" is displayed at the top.

**Instances (1/3) Info**

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
Inventory-App	i-05a51bc9990d1c7ae	Running	t2.micro	2/2 checks passed	View alarms
Inventory-App	i-0a69f40daf470b141	Running	t2.micro	2/2 checks passed	View alarms
Web Server 1	i-0ec469e8ba842bccf	Running	t2.micro	2/2 checks passed	View alarms

**Instance: i-05a51bc9990d1c7ae (Inventory-App)**

**Details** | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

**Instance summary**

Instance ID	i-05a51bc9990d1c7ae (Inventory-App)	Public IPv4 address	Private IPv4 addresses
IPv6 address	-	Running	10.0.4.227
Hostname type	IP name: ip-10-0-4-227.ec2.internal	Private IP DNS name (IPv4 only)	Public IPv4 DNS
Answer private resource DNS name	-	ip-10-0-4-227.ec2.internal	-
Auto-assigned IP address	VPC ID	Instance type	Elastic IP addresses

The screenshot shows the AWS CloudFormation Stacks page. The left sidebar has sections for Stacks (Stack details, Drifts, StackSets, Exports), Designer, and Registry (Public extensions, Activated extensions, Publisher). The main content area shows a table titled "Stacks (1)". The table has columns: Stack name, Status, Created time, and Description. One row is listed: "c107897a2537342l6014751t1w730335\_289864" with status "CREATE\_COMPLETE", created on "2024-03-03 12:39:13 UTC+0530", and description "new bucket".

Stack name	Status	Created time	Description
c107897a2537342l6014751t1w730335_289864	CREATE_COMPLETE	2024-03-03 12:39:13 UTC+0530	new bucket

The screenshot shows the AWS CloudFormation Outputs page for the 'lab-network' stack. The left sidebar lists the 'Stacks (2)' section, with the 'lab-network' stack selected. The main content area displays the 'Outputs (2)' tab, which lists two output key-value pairs:

Key	Value	Description	Export name
PublicSubnet	subnet-07032dc797d1da21a	The subnet ID to use for public web servers	lab-network-SubnetID
VPC	vpc-07f66e43fe71d3b32	VPC ID	lab-network-VPCID

Below the table, there are navigation controls for the outputs list, including a search bar and buttons for Stack info, Events, Resources, Outputs, Parameters, Template, Change sets, and Create stack.

The screenshot shows the AWS CloudFormation Stacks page. The left sidebar has sections for Stacks, Drifts, StackSets, Exports, Designer, and Registry. The Registry section includes Public extensions, Activated extensions, and Publisher. The main content area shows a table titled "Stacks (1)". The table has columns for Stack name, Status, Created time, and Description. One row is highlighted, showing the stack name "c107897a2537342l6014751t1w730335\_289864", status "CREATE\_COMPLETE", creation time "2024-03-03 12:39:13 UTC+0530", and description "new bucket".

Stack name	Status	Created time	Description
c107897a2537342l6014751t1w730335_289864	CREATE_COMPLETE	2024-03-03 12:39:13 UTC+0530	new bucket

The screenshot shows the AWS CloudFormation Outputs page for the 'lab-application' stack. The left sidebar lists three stacks: 'lab-application' (selected), 'lab-network' (status: CREATE\_IN\_PROGRESS), and 'c107897a2557342l6014751t1w730335289864' (status: CREATE\_COMPLETE). The main content area displays the 'Outputs' tab for the 'lab-application' stack, which contains one output named 'URL' with the value 'http://ec2-54-209-84.compute-1.amazonaws.com'. Other tabs include Stack info, Events, Resources, Parameters, Template, Change sets, and Git.

Screenshot of the AWS CloudFormation console showing the Stacks page. There are three stacks listed:

Stack name	Status	Created time	Description
lab-application	CREATE_COMPLETE	2024-03-03 12:49:48 UTC+0530	Application Template: Demonstrates how to reference resources from a different stack. This template provisions an EC2 instance in a VPC Subnet provisioned in a different stack.
lab-network	CREATE_COMPLETE	2024-03-03 12:44:20 UTC+0530	Network Template: Sample template that creates a VPC with DNS and public IPs enabled.
c107897a2537342l6014751t1w730335289864	CREATE_COMPLETE	2024-03-03 12:39:13 UTC+0530	new bucket

Screenshot of the AWS CloudFormation console showing the Events tab for the 'lab-application' stack. The events table shows the following activity:

Timestamp	Logical ID	Status	Status reason
2024-03-03 12:58:12 UTC+0530	lab-application	UPDATE_COMPLETE	-
2024-03-03 12:58:12 UTC+0530	lab-application	UPDATE_COMPLETE_CLEANUP_IN_PROGRESS	-
2024-03-03 12:58:10 UTC+0530	WebServerSecurityGroup	UPDATE_COMPLETE	-
2024-03-03 12:57:54 UTC+0530	WebServerSecurityGroup	UPDATE_IN_PROGRESS	-
2024-03-03 12:57:51 UTC+0530	lab-application	UPDATE_IN_PROGRESS	User Initiated
2024-03-03 12:52:18			

Module 10 Guided Lab - Automate AWS CloudFormation Designer SecurityGroup | EC2 | us-east-1 ec2-54-209-249-84.compute-1. N. Virginia vocabs/user2969502: 7303-3528-9864

File: "template1"

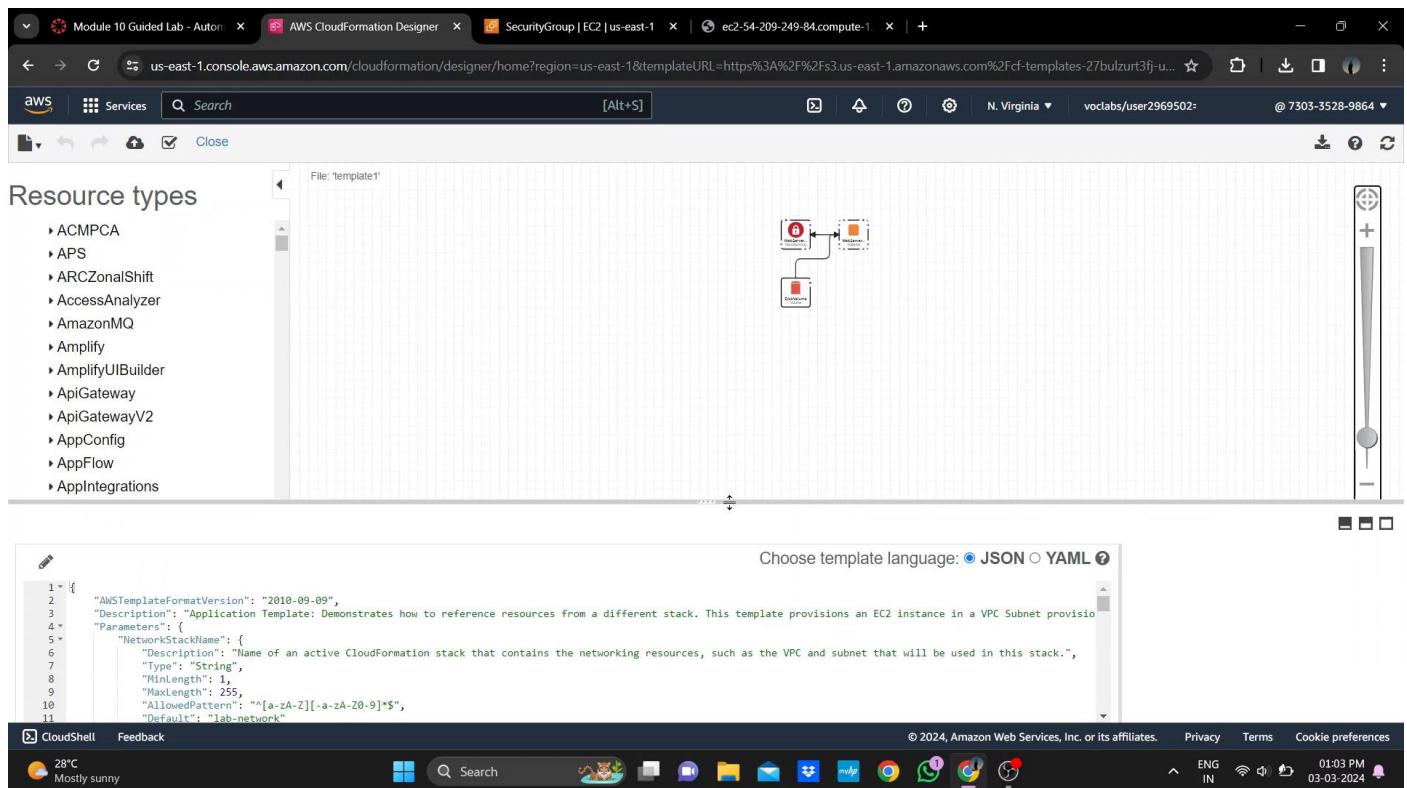
Resource types

- ACMPCA
- APS
- ARCZonalShift
- AccessAnalyzer
- AmazonMQ
- Amplify
- AmplifyUIBuilder
- ApiGateway
- ApiGatewayV2
- AppConfig
- AppFlow
- AppIntegrations

Choose template language:  JSON  YAML

```
1: {  
2:   "AWSTemplateFormatVersion": "2010-09-09",  
3:   "Description": "Application Template: Demonstrates how to reference resources from a different stack. This template provisions an EC2 instance in a VPC Subnet provisioned by another stack.",  
4:   "Parameters": {  
5:     "NetworkStackName": {  
6:       "Description": "Name of an active CloudFormation stack that contains the networking resources, such as the VPC and subnet that will be used in this stack.",  
7:       "Type": "String",  
8:       "MinLength": 1,  
9:       "MaxLength": 255,  
10:      "AllowedPattern": "[a-zA-Z][a-zA-Z0-9]*$"  
11:      "Default": "lab-network"  
12:    }  
13:  }  
14: }
```

CloudShell Feedback 28°C Mostly sunny © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences ENG IN 01:03 PM 03-03-2024



The screenshot shows the AWS CloudFormation Stacks page. There are three stacks listed:

Stack name	Status	Created time	Description
lab-application	UPDATE_COMPLETE	2024-03-03 12:49:48 UTC+0530	Application Template: Demonstrates how to reference resources from a different stack. This template provisions an EC2 instance in a VPC Subnet provisioned in a different stack.
lab-network	CREATE_COMPLETE	2024-03-03 12:44:20 UTC+0530	Network Template: Sample template that creates a VPC with DNS and public IPs enabled.
c107897a2537342l6014751t1w730335 289864	CREATE_COMPLETE	2024-03-03 12:39:13 UTC+0530	new bucket

A modal dialog titled "Delete stack?" is displayed. It asks if the user wants to delete the stack "lab-application" permanently. A note states: "Deleting this stack will delete all stack resources. Resources will be deleted according to their DeletionPolicy. [Learn more](#)". The "Delete" button is highlighted with a cursor.

Module 11 Guided Lab - Stream S3 buckets | S3 | Global +

s3.console.aws.amazon.com/s3/home?region=us-east-1#

Amazon S3 Services Search [Alt+S] Global voclabs/user296950@ 9054-1839-0647

### Amazon S3

#### Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

[General purpose buckets](#) [Directory buckets](#)

**General purpose buckets (1) [Info](#)**

Buckets are containers for data stored in S3.

[Search](#)

[Create bucket](#)

Name	AWS Region	Access	Creation date
c107897a2537346l6015262t1w9054-awstrainingreinvent-bpqgbqxfqlsl	US East (N. Virginia) us-east-1	Public	March 3, 2024, 14:33:54 (UTC+05:30)

[Find buckets by name](#) [Search](#)

[CloudShell](#) [Feedback](#) © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 28°C Mostly sunny ENG IN 02:36 PM 03-03-2024

Module 11 Guided Lab - Stream c107897a2537346l6015262t1w9054-awstrainingreinvent-bpqgbqxfqlsl +

s3.console.aws.amazon.com/s3/buckets/c107897a2537346l6015262t1w9054-awstrainingreinvent-bpqgbqxfqlsl?region=us-east-1&bucketType=general&prefix=input/&showversions=false

Amazon S3 Services Search [Alt+S] Global voclabs/user296950@ 9054-1839-0647

### Amazon S3 > Buckets > c107897a2537346l6015262t1w9054-awstrainingreinvent-bpqgbqxfqlsl > input/

#### input/

[Copy S3 URI](#)

[Objects](#) [Properties](#)

**Objects (1) [Info](#)**

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 access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

[Search](#)

[Upload](#)

Name	Type	Last modified	Size	Storage class
AmazonS3Sample.mp4	mp4	March 3, 2024, 14:34:31 (UTC+05:30)	22.4 MB	Standard

[Find objects by prefix](#) [Search](#)

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The screenshot shows the Amazon CloudFront homepage. The main heading is "Amazon CloudFront" with the subtext "Securely deliver content with low latency and high transfer speeds". Below this, a paragraph describes CloudFront as a fast content delivery network (CDN) service. A "Create a CloudFront distribution" button is visible. On the right, there's a "AWS Free Tier" section listing free resources: 1 TB of data transfer out, 10,000,000 HTTP or HTTPS requests, 2,000,000 CloudFront Function invocations, and access each month, always free.

Benefits and features

- Reduce latency
- Improve security

Amazon CloudFront is a fast content delivery network (CDN) service that securely delivers data, videos, applications, and APIs to customers globally with low latency and high transfer speeds.

Get started with CloudFront

Enable accelerated, reliable and secure content delivery for Amazon S3 buckets, Application Load Balancers, Amazon API Gateway APIs, and more in 5 minutes or less.

Create a CloudFront distribution

AWS Free Tier

- 1 TB of data transfer out
- 10,000,000 HTTP or HTTPS requests
- 2,000,000 CloudFront Function invocations
- Each month, always free

The screenshot shows the CloudFront Security Dashboard. It displays a success message: "Successfully created new distribution." Below this, there are other notifications: "Introducing the CloudFront Security Dashboard" (blue bar) and "Do you have 30 seconds to share your experience? Help us improve CloudFront." (blue bar). The main interface shows a distribution named "EHY8LGVLNIV". The "General" tab is selected, showing details like the distribution domain name (dt6hjghy6qtw0.cloudfront.net), ARN (arn:aws:cloudfront::905418390647:distribution/EHY8LGVLNIV), and last modified status (Deploying). There are tabs for Security, Origins, Behaviors, Error pages, Invalidations, and Tags. A "View metrics" button is also present.

CloudFront > Distributions > EHY8LGVLNIV

EHY8LGVLNIV

View metrics

General Security Origins Behaviors Error pages Invalidations Tags

Details

Distribution domain name: dt6hjghy6qtw0.cloudfront.net

ARN: arn:aws:cloudfront::905418390647:distribution/EHY8LGVLNIV

Last modified: Deploying

Settings

Edit

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28°C Mostly sunny Search

Module 11 Guided Lab - Stream | c107897a2537346l6015262t1w | CloudFront | Global | Elastic Transcoder | us-east-1 | +

us-east-1.console.aws.amazon.com/elastictranscoder/home?region=us-east-1#getting-started:

AWS Services Search [Alt+S] N. Virginia vocabs/user2969502= @ 9054-1839-0647

Try the New File-Based Video Processing Option  
AWS Elemental MediaConvert is a new file-based video transcoding service that provides a comprehensive suite of advanced transcoding features, with Basic tier rates starting at \$0.0075/minute. [Read more or try MediaConvert](#)

## Welcome to Amazon Elastic Transcoder

[Create a new Pipeline](#)

Amazon Elastic Transcoder lets you convert digital media stored in Amazon S3 into the audio and video codecs and the containers required by consumer playback devices. For example, you can convert large, high-quality digital media files into formats that users can play back on mobile devices, tablets, web browsers, and connected televisions.

Elastic Transcoder has three components:

- **Pipelines** are queues that manage your transcoding jobs. Elastic Transcoder begins to process jobs in the order in which you add them to a pipeline. Typically, you'll create at least two pipelines, one for standard-priority jobs and one for high-priority jobs. Most jobs go into the standard-priority pipeline; you use the high-priority pipeline only when you need a file to be transcoded immediately.
- **Jobs** specify the settings that aren't included in the preset, for example, the file to transcode and whether to create thumbnails. Each job converts one file into one different format. When you create a job, Elastic Transcoder adds it to the pipeline you specify. If there are already jobs in the pipeline, Elastic Transcoder begins processing the new job when resources are available.
- **Presets** are templates that specify most of the settings for the transcoded media file. Elastic Transcoder includes some default presets for common formats. You can also create your own presets. When you create a job, you specify which preset to use.

## Additional Information

- [Getting Started with Elastic Transcoder](#)
- [Documentation](#)
- [All Elastic Transcoder Resources](#)
- [Forums](#)

## Amazon Elastic Transcoder at a glance

Create a pipeline



Give your pipeline a name that identifies which jobs go into that pipeline, for example, standard priority.

Create a preset. (Optional)



If your requirements correspond with one of the default presets, you can skip this step.

Create a job



When you click Create, Elastic Transcoder automatically adds it to the specified pipeline for processing.

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28°C Mostly sunny ENG IN 02:42 PM 03-03-2024

Module 11 Guided Lab - Stream | c107897a2537346l6015262t1w | CloudFront | Global | Elastic Transcoder | us-east-1 | +

us-east-1.console.aws.amazon.com/elastictranscoder/home?region=us-east-1#pipeline-details:1709457256416-rrjfc

AWS Services Search [Alt+S] N. Virginia vocabs/user2969502= @ 9054-1839-0647

Try the New File-Based Video Processing Option  
AWS Elemental MediaConvert is a new file-based video transcoding service that provides a comprehensive suite of advanced transcoding features, with Basic tier rates starting at \$0.0075/minute. [Read more or try MediaConvert](#)

## Pipelines

Jobs  
Presets

[Create New Job](#) Edit Pause Activate Remove

### Summary

ARN	arn:aws:elastictranscoder:us-east-1:905418390647:pipeline/1709457256416-rrjfc
Name	InputPipeline
Pipeline ID	1709457256416-rrjfc
Status	Active

Configuration for Amazon S3 Bucket for Transcoded Files and Playlists

Configuration for Amazon S3 Bucket for Thumbnails

Job Details

Permissions

Notifications

Encryption

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28°C Mostly sunny ENG IN 02:44 PM 03-03-2024

Module 11 Guided Lab - Stream | c107897a2537346f6015262t1w | CloudFront | Global | Elastic Transcoder | us-east-1

Try the New File-Based Video Processing Option  
AWS Elemental MediaConvert is a new file-based video transcoding service that provides a comprehensive suite of advanced transcoding features, with Basic tier rates starting at \$0.0075/minute. [Read more](#) or try MediaConvert

Preset Watermark Id: Select One... [Alt+S]

+ Add Another Output

Playlist (1 of 1) - Remove Playlist

Master Playlist Name: primary

Playlist Format: HLSv3

Outputs in Master Playlist: HLS20M (+, -, i)

Outputs in Master Playlist: HLS15M (+, -, i)

Outputs in Master Playlist: HLS10M (+, -, i)

Content Protection: None (radio button selected), HLS AES, PlayReady DRM (radio buttons)

+ Add Playlist

User Metadata (Optional)

Cancel Create New Job

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Module 11 Guided Lab - Stream | c107897a2537346f6015262t1w | CloudFront | Global | Elastic Transcoder | us-east-1

Try the New File-Based Video Processing Option  
AWS Elemental MediaConvert is a new file-based video transcoding service that provides a comprehensive suite of advanced transcoding features, with Basic tier rates starting at \$0.0075/minute. [Read more](#) or try MediaConvert

Pipelines Jobs Presets

Back Copy Cancel

Summary

ARN	arn:aws:elastictranscoder:us-east-1:905418390647:job/1709457631816-jjqm5q	Number Of Inputs	1
Job ID	1709457631816-jjqm5q	Number Of Outputs	3
Pipeline	InputPipeline	Number Of Playlists	1
Pipeline ID	1709457256416-rijfc	Job Status	Progressing
Output Key Prefix	output/		

Inputs

Input Key	input/AmazonSSample.mp4	Frame Rate
Resolution		Duration
File Size		Clip Start Time
Captions Merge Policy		Clip Duration

Outputs

Preset	System preset: HLS 2M	Preset ID	1351620000001-200010
Output Key	HLS20M	Status	Progressing

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The screenshot shows the AWS CloudFront distribution details page for distribution ID EHY8LGVLXNIV. The page includes a navigation bar with tabs for General, Security, Origins, Behaviors, Error pages, Invalidations, and Tags. The General tab is selected. A 'Details' section displays the distribution domain name (dt6hjghy6qtw0.cloudfront.net) and ARN (arn:aws:cloudfront::905418390647:distribution/EHY8LGVLXNIV). The ARN is highlighted with a green box and has a tooltip indicating it has been copied. The 'Settings' section shows the description 'Use all edge locations (best performance)', alternate domain names (empty), and logging options (Standard logging Off, Cookie logging Off). The left sidebar lists various monitoring and reporting features like Telemetry, Reports & analytics, Security, and Key management.

Module 13 Guided Lab - Implementing AWS Lambda

Lambda

Services Search [Alt+S] N. Virginia v occls/user2969502: @ 3814-9199-7970

# AWS Lambda

lets you run code without thinking about servers.

You pay only for the compute time that you consume — there is no charge when your code is not running. With Lambda, you can run code for virtually any type of application or backend service, all with zero administration.

Get started

Author a Lambda function from scratch, or choose from one of many preconfigured examples.

Create a function

How it works

Run Next: Lambda responds to events

.NET Java Node.js Python Ruby Custom runtime

```
1 exports.handler = async (event) => {
2   console.log(event);
3   return 'Hello from Lambda!';
4 }
```

https://us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function... 28°C Mostly sunny © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences ENG IN 03:18 PM 03-03-2024

Module 13 Guided Lab - Implementing AWS Lambda

Load-Inventory - Lambda

Services Search [Alt+S] N. Virginia v occls/user2969502: @ 3814-9199-7970

Successfully created the function Load-Inventory. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

Lambda > Functions > Load-Inventory

## Load-Inventory

Throttle Copy ARN Actions

Function overview Info

Description

Last modified 3 seconds ago

Function ARN arn:aws:lambda:us-east-1:381491997970:function:Load-Inventory

Function URL Info

+ Add trigger + Add destination

Code Test Monitor Configuration Aliases Versions

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Tutorials

Learn how to implement common use cases in AWS Lambda.

Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

Learn more Start tutorial

Module 13 Guided Lab - Implementing AWS Lambda

Load-Inventory - Lambda

Services Search [Alt+S] N. Virginia v occls/user2969502: @ 3814-9199-7970

Successfully updated the function Load-Inventory.

Code Test Monitor Configuration Aliases Versions

Code source Info

File Edit Find View Go Tools Window Test Deployment

Environment

Go to Anything (Ctrl-P)

lambda\_function Environment Var

```
lambda_function
1 # Load-Inventory Lambda function
2 # This function is triggered by an object being created in an Amazon S3 bucket.
3 # The file is downloaded and each line is inserted into a DynamoDB table.
4 import json, urllib, boto3, csv
5 import os, boto3, resource
6 s3 = boto3.resource('s3')
7 dynamodb = boto3.resource('dynamodb')
8 # Connect to the DynamoDB tables
9 inventoryTable = dynamodb.Table('Inventory')
10 inventoryTable.put_item(Item={'key': 'Lambda'})
11 # When the Lambda function is triggered, the Lambda function is triggered
12 def lambda_handler(event, context):
13     # Show the incoming event in the debug log
14     print("Event received by Lambda function: " + json.dumps(event, indent=2))
15     # Get the file name from the S3 event
16     bucket = event['Records'][0]['s3']['bucket']['name']
17     key = urllib.parse.unquote_plus(event['Records'][0]['s3']['object']['key'])
18     localFilename = '/tmp/inventory.txt'
19     # Download the file from S3 to the local filesystem
20     try:
21         s3.meta.client.download_file(bucket, key, localFilename)
22     except Exception as e:
23         print(e)
24         print('Error getting object {} from bucket {}. Make sure they exist and your bucket is in the same region as this Lambda function.'.format(key, bucket))
```

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Tutorials

Learn how to implement common use cases in AWS Lambda.

Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

Learn more Start tutorial

Module 13 Guided Lab - Implementing AWS Lambda Functions

Load-Inventory - Lambda

Homepage | S3 | Global

s3.console.aws.amazon.com/s3/get-started?region=us-east-1

aws Services Search [Alt+S]

Storage

# Amazon S3

## Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

### Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

[Create bucket](#)

### Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the [AWS Simple Monthly Calculator](#)

[View pricing details](#)

### Resources

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### How it works



Module 13 Guided Lab - Implementing AWS Lambda Functions

Load-Inventory - Lambda

S3 buckets | S3 | Global

s3.console.aws.amazon.com/s3/buckets?region=us-east-1&bucketType=general

aws Services Search [Alt+S]

CloudShell Feedback 28°C Mostly sunny 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences ENG IN 03:24 PM 03-03-2024

Successfully created bucket "inventory-994". To upload files and folders, or to configure additional bucket settings, choose [View details](#).

Amazon S3 > Buckets

**Account snapshot**  
Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

[General purpose buckets](#) [Directory buckets](#)

**General purpose buckets (1) [Info](#)**

Buckets are containers for data stored in S3.

[Find buckets by name](#)

Name	AWS Region	Access	Creation date
inventory-994	US East (N. Virginia) us-east-1	Bucket and objects not public	March 3, 2024, 15:23:56 (UTC+05:30)

inventory-994 - S3 bucket | S3 | +

s3.console.aws.amazon.com/s3/buckets/inventory-994?region=us-east-1&bucketType=general&tab=objects

AWS Services Search [Alt+S] Global voclabs/user2969502: @ 3814-9199-7970

Upload succeeded  
View details below.

Amazon S3 > Buckets > inventory-994

## inventory-994 Info

Objects Properties Permissions Metrics Management Access Points

**Objects (1) Info**

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 access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

Name	Type	Last modified	Size	Storage class
inventory-calcutta.txt	txt	March 3, 2024, 15:27:03 (UTC+05:30)	150.0 B	Standard

https://s3.console.aws.amazon.com/s3/object/inventory-994?region=us-east-1&bucketType=general&prefix=inventory-calcutta.txt © 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 28°C Mostly sunny ENG IN 03:27 PM 03-03-2024

Module 13 Guided Lab - Implementing AWS Lambda Functions | Load-Inventory - Lambda | Inventory System | +

aws-tc-largeobjects.s3-us-west-2.amazonaws.com/ILT-TF-200-ACACAD-20-EN/mod13-guided/web/inventory.htm?region=us-east-1&poolId=us-east-1:26622bc7-dc2d-4074-8f44-3f... ☆

# Inventory Dashboard

Choose a store to view current inventory levels.

Store: All Stores

Store	Item	Count
All Stores	Echo Show	14
All Stores	Echo Plus	16
All Stores	Echo Look	3
All Stores	Echo Dot	7
All Stores	Echo (2nd Gen)	0
All Stores	Amazon Tap	15

Inventory

The chart displays the count of each item type across all stores. The x-axis represents the count from 0 to 20. The y-axis lists the items: Echo Show, Echo Plus, Echo Look, Echo Dot, Echo (2nd Gen), and Amazon Tap. The bars show counts of approximately 14 for Echo Show, 16 for Echo Plus, 3 for Echo Look, 7 for Echo Dot, 0 for Echo (2nd Gen), and 15 for Amazon Tap.

This page uses an Amazon Cognito identity to retrieve data directly from Amazon DynamoDB.

28°C Mostly sunny ENG IN 03:27 PM 03-03-2024

Screenshot of the AWS Lambda function configuration page for "Load-Inventory - Lambda". The "Handler" field is set to "index.handler" and the "Role" field is set to "Lambda execution role (arn:aws:lambda:us-east-1:381491997970:role/lambda-execution)".

The "Environment Variables" section shows:

- INVENTORY\_TABLE\_NAME: "InventoryTable"
- INVENTORY\_BUCKET\_NAME: "InventoryBucket"

The "Code" section shows the Lambda code in ZIP format.

The "Logs" section shows log entries for the Lambda function.

The "Permissions" section lists the IAM policies attached to the Lambda function's role.

The "Monitoring" section shows CloudWatch Metrics and CloudWatch Logs monitoring.

The "Deployment" section shows the deployment history.

The "Logs" tab is selected, showing log entries for the Lambda function.

Screenshot of the AWS Simple Notification Service (SNS) subscription confirmation page. The URL is <https://sns.us-east-1.amazonaws.com/confirmation.html?TopicArn=arn:aws:sns:us-east-1:381491997970>NoStock&Token=2336412f37fb687f5d51e6e2425ba1f252b28eaf4dad714fbe9b40ad...>

The page displays a "Subscription confirmed!" message in a green box:

You have successfully subscribed.  
Your subscription's id is:  
arn:aws:sns:us-east-1:381491997970>NoStock:30aec88b-6db4-445f-b44e-a29c45da7258  
If it was not your intention to subscribe, [click here to unsubscribe](#).

The browser status bar shows the date and time as 03:34 PM 03-03-2024.

The screenshot shows the 'Create function' wizard in the AWS Lambda console. In the 'Architecture' section, 'x86\_64' is selected. Under 'Permissions', the 'Change default execution role' section is expanded, showing options for creating a new role with basic Lambda permissions (selected), using an existing role ('Lambda-Check-Stock-Role' is chosen), or creating a new role from AWS policy templates. A note states that Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. The 'Advanced settings' section is collapsed. At the bottom right is a large orange 'Create function' button.

The screenshot shows the 'Check-Stock' Lambda function details page. The 'Function overview' tab is selected, displaying the function name 'Check-Stock', a diagram icon, and a 'Layers (0)' button. On the right, there are sections for 'Description' (empty), 'Last modified' (14 seconds ago), 'Function ARN' (arn:aws:lambda:us-east-1:381491997970:function:Check-Stock), and 'Function URL' (Info). Below the overview are tabs for 'Code', 'Test', 'Monitor', 'Configuration', 'Aliases', and 'Versions'. A success message at the top states: 'Successfully created the function Check-Stock. You can now change its code and configuration. To invoke your function with a test event, choose "Test".' A sidebar on the right provides a tutorial for creating a simple web app using Lambda.

Module 13 Guided L | Upload objects - S3 | Check Stock - Lambda | Items | Amazon Dyn | Inventory System | AWS Notification - S | Subscription confirm | +

s3.console.aws.amazon.com/s3/upload/inventory-994?region=us-east-1&bucketType=general

aws Services Search [Alt+S]

Upload succeeded  
View details below.

### Upload: status

The information below will no longer be available after you navigate away from this page.

#### Summary

Destination	Succeeded	Failed
s3://inventory-994	1 file, 140.0 B (100.00%)	0 files, 0 B (0%)

Files and folders Configuration

Files and folders (1 Total, 140.0 B)

Name	Folder	Type	Size	Status	Error
inventory-b...	-	text/plain	140.0 B	Succeeded	-

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28°C Mostly sunny 03:39 PM 03-03-2024

Module 13 Guided L | Items | Amazon Dyn | inventory-994 - S3 b | Items | Amazon Dyn | Inventory System | AWS Notification - S | Subscription confirm | +

aws-tc-largeobjects.s3-us-west-2.amazonaws.com/ILT-TF-200-ACACAD-20-EN/mod13-guided/web/inventory.htm?region=us-east-1&poolId=us-east-1:26622bc7-dc2d-4074-8f44-3f...

Stop loading this page

# Inventory Dashboard

Choose a store to view current inventory levels.

Store:	Store	Item	Count
All Stores	All Stores	Echo Show	32
All Stores	All Stores	Echo Plus	16
All Stores	All Stores	Echo Look	13
All Stores	All Stores	Echo Dot	19
All Stores	All Stores	Echo (2nd Gen)	19
All Stores	All Stores	Amazon Tap	30

Inventory

A horizontal bar chart titled "Inventory" showing the count of different Echo devices. The y-axis lists the items: Echo Show, Echo Plus, Echo Look, Echo Dot, Echo (2nd Gen), and Amazon Tap. The x-axis shows the count from 0 to 40. The bars are blue.

Item	Count
Echo Show	32
Echo Plus	16
Echo Look	13
Echo Dot	19
Echo (2nd Gen)	19
Amazon Tap	30

This page uses an Amazon Cognito identity to retrieve data directly from Amazon DynamoDB.

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28°C Mostly sunny 03:41 PM 03-03-2024

Module 14 Guided Lab - Hybrid

Homepage | S3 | Global

s3.console.aws.amazon.com/s3/get-started?region=us-east-1

aws Services Search [Alt+S] Global v oclabs/user2969502@ 5901-8402-4012

# Amazon S3

## Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

### How it works

Introduction to Amazon S3

Copy link

### Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the [AWS Simple Monthly Calculator](#)

[View pricing details](#)

### Resources

CloudShell Feedback 31°C Partly cloudy Search ENG IN 06:51 PM 04-03-2024

This screenshot shows the Amazon S3 landing page. It features a large video player titled 'Introduction to Amazon S3' with a play button. To the right, there's a 'Create a bucket' button and a 'Pricing' section with a calculator link. Below these are 'How it works', 'Pricing', and 'Resources' sections. The bottom navigation bar includes CloudShell, Feedback, weather info (31°C, Partly cloudy), and system status (ENG IN, 06:51 PM, 04-03-2024).

Module 14 Guided Lab - Hybrid

S3 buckets | S3 | Global

s3.console.aws.amazon.com/s3/buckets?region=us-east-2&bucketType=general

aws Services Search Global v oclabs/user2969502@ 5901-8402-4012

Successfully created bucket "safi123"

To upload files and folders, or to configure additional bucket settings, choose [View details](#).

Amazon S3 > Buckets

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

General purpose buckets Directory buckets

General purpose buckets (1) [Info](#)

Buckets are containers for data stored in S3.

Find buckets by name

Name AWS Region Access Creation date

Name	AWS Region	Access	Creation date
safi123			March 4, 2024, 18:59:21 (UTC+05:30)

CloudShell Feedback 31°C Partly cloudy Search ENG IN 06:59 PM 04-03-2024

This screenshot shows the 'Buckets' page in the Amazon S3 console. A green banner at the top indicates a new bucket was created ('Successfully created bucket "safi123"'). Below, the 'Account snapshot' section is visible. The 'General purpose buckets' tab is selected, showing one bucket named 'safi123'. The table lists the bucket's name, region (US East (Ohio)), access level (Bucket and objects not public), and creation date (March 4, 2024). The bottom navigation bar is identical to the first screenshot.

Module 14 Guided Lab - Hybrid

S3 buckets | S3 | Global

s3.console.aws.amazon.com/s3/buckets?region=us-west-2&bucketType=general

aws Services Search [Alt+S] Global v oclabs/user2969502@ 5901-8402-4012

Successfully created bucket "safi456"

To upload files and folders, or to configure additional bucket settings, choose [View details](#).

Amazon S3 > Buckets

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

View Storage Lens dashboard

General purpose buckets Directory buckets

General purpose buckets (2) [Info](#)

Buckets are containers for data stored in S3.

Find buckets by name

Name AWS Region Access Creation date

Name	AWS Region	Access	Creation date
safi123	US East (Ohio) us-east-2	Bucket and objects not public	March 4, 2024, 18:59:21 (UTC+05:30)
safi456	US West (Oregon) us-west-2	Bucket and objects not public	March 4, 2024, 19:00:10 (UTC+05:30)

CloudShell Feedback 31°C Partly cloudy Search ENG IN 07:00 PM 04-03-2024

This screenshot shows the 'Buckets' page again, but this time it displays two buckets: 'safi123' and 'safi456'. Both were created in the 'us-west-2' region. The table shows their names, regions, access levels (both are 'Bucket and objects not public'), and creation dates. The bottom navigation bar remains consistent.

saff123 - S3 bucket | S3 | Global

s3.console.aws.amazon.com/s3/buckets/saff123?region=us-east-2&bucketType=general&tab=management

Amazon S3

Buckets

- Access Grants
- Access Points
- Object Lambda Access Points
- Multi-Region Access Points
- Batch Operations
- IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

- Dashboards
- Storage Lens groups
- AWS Organizations settings

Feature spotlight

AWS Marketplace for S3

Learn more [?] [Alt+S]

No replication rules

You don't have any rules in the replication configuration.

Create replication rule

Inventory configurations (0)

You can create inventory configurations on a bucket to generate a flat file list of your objects and metadata. These scheduled reports can include all objects in the bucket or be limited to a shared prefix. [Learn more](#)

Name Status Scope Destination Frequency Last export Format

No configurations

No configurations to display

Create inventory configuration

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Replication rule list - S3 bucket

s3.console.aws.amazon.com/s3/management/saff123/replication?region=us-east-2&bucketType=general

Amazon S3 > Buckets > saff123 > Replication rules

Replication rules [Info](#)

Replication configuration successfully updated

If changes to the configuration aren't displayed, choose the refresh button. Changes apply only to new objects. To replicate existing objects with this configuration, choose Create replication job.

Create replication job

Replication configuration settings

Configuration settings affect all replication rules in the bucket.

Source bucket: saff123

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

IAM role: S3-CRR-Role

Create replication job Edit

Replication rules (1)

View details Edit rule Delete Actions Create replication rule

Use replication rules to define options you want Amazon S3 to apply during replication such as server-side encryption, replica ownership, transitioning replicas to another storage class, and more. [Learn more](#)

https://s3.console.aws.amazon.com/s3/buckets?region=us-east-2&bucketType=general

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Screenshot of the AWS Storage Gateway home page in the AWS Management Console.

The page title is "Storage Gateway | us-east-1". The URL is "us-east-1.console.aws.amazon.com/storagegateway/home?region=us-east-1#/".

The left sidebar menu includes:

- Storage Gateway
- Gateways
- File shares
- FSx file systems
- Volumes
- Tape Library
- Pools
- Tapes
- Hardware

The main content area features the heading "AWS Storage Gateway" and the sub-heading "On-premises access to virtually unlimited cloud storage". A sub-sub-heading below it says "Seamlessly and securely integrate your on-premises IT environment with AWS storage infrastructure." There is a call-to-action button labeled "Create gateway".

A section titled "Get started in minutes" contains a screenshot of a browser window showing "Cloud Storage in Minutes with AWS Storage Ga...". It includes a "Copy link" button.

A "Hardware appliance" section provides instructions for ordering and activating a hardware appliance, with buttons for "Ordering information" and "Activate appliance".

The bottom navigation bar includes CloudShell, Feedback, and various system icons like weather, search, and taskbar icons. The date and time are shown as 04-03-2024 07:07 PM.

Screenshot of the "Create gateway" step in the AWS Storage Gateway setup process.

The page title is "Create gateway | Storage Gateway". The URL is "us-east-1.console.aws.amazon.com/storagegateway/home?region=us-east-1#/gateways/create".

The left sidebar shows the "Activation" steps:

- Step 1: Set up gateway (selected)
- Step 2: Connect to AWS
- Step 3: Activate gateway

The right side shows the "Configure gateway" step. It has three main sections:

- Disk Status**: Preparing local disks.
- Configure cache storage**: Status is "Loading".
- CloudWatch log group**: Info: You can monitor the health of your gateway using Amazon CloudWatch log groups. Options:
  - Create a new log group: A new CloudWatch log group will be created.
  - Use an existing log group: Choose an existing CloudWatch log group.

The bottom navigation bar includes CloudShell, Feedback, and various system icons like weather, search, and taskbar icons. The date and time are shown as 04-03-2024 07:16 PM.

Create file share | Storage Gateway Instances | EC2 | us-east-1 us-east-1.console.aws.amazon.com/storagegateway/home?region=us-east-1#/file-shares/file-share-create?gatewayId=&redirectUrl=gateways

Services Search [Alt+S] N. Virginia vocabs/user2969502: @ 5901-8402-4012 ▾

Storage Gateway > File shares > Create file share

### Create file share Info

**Basics**

Gateway: File Gateway (sgw-1FAB7276)

File share protocol:  NFS Standard for Linux environments.  SMB Standard for Windows environments.

S3 bucket: Choose an option

**Default configuration Info**  
These are the default settings for the file share that you created. Note: For advanced settings, choose **Customize configuration**. Choose **Info** to open the Help panel for more information.

Current defaults include:  
 S3 standard storage class

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File shares | Storage Gateway Instances | EC2 | us-east-1 us-east-1.console.aws.amazon.com/storagegateway/home?region=us-east-1#/file-shares?id=share-D4A59CBF

Services Search [Alt+S] N. Virginia vocabs/user2969502: @ 5901-8402-4012 ▾

Storage Gateway > File shares

### Your file share has been created and added to the gateway.

### File share overview

**File shares (1) Info**

File share ID	File share name	Status	Type	S3 location	Gateway
share-D4A59CBF	safi123	Updating	NFS	safi123	File Gateway

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Screenshot of the AWS Cloud Console showing the Instances (1/2) page. The instance 'File Gateway A...' (i-092be3579aa2ed104) is selected. A PutTY configuration window is open, showing session details for connecting to the instance via SSH (Port 22). The session is set to 'SSH'. The sidebar shows navigation links for EC2 Dashboard, Services, and various AWS services like CloudWatch Metrics.

```
ec2-user@ip-10-10-1-25:~$ ls
[ec2-user@ip-10-10-1-25 ~]$ sudo mkdir -p /mnt/nfs/s3
[ec2-user@ip-10-10-1-25 ~]$ mount -t nfs -o nocklock,hard 10.10.1.115:/safil123 /mnt/nfs/s3
mount.nfs: failed to apply fstab options

[ec2-user@ip-10-10-1-25 ~]$ mount -t nfs -o no lock,hard 10.10.1.115:/safil123 /mnt/nfs/s3
mount.nfs: failed to apply fstab options

[ec2-user@ip-10-10-1-25 ~]$ mount -t nfs -o no lock,hard 10.10.1.115:/safil123 /mnt/nfs/s3
mount.nfs: failed to apply fstab options

[ec2-user@ip-10-10-1-25 ~]$
[ec2-user@ip-10-10-1-25 ~]$ sudo mount -t nfs -o no lock,hard 10.10.1.115:/safil123 /mnt/nfs/s3
[ec2-user@ip-10-10-1-25 ~]$ df -h
Filesystem           Size  Used Avail Use% Mounted on
devtmpfs              4.0M   0K  4.0M  0% /dev
tmpfs                475M   0K  475M  0% /dev/shm
tmpfs                190M  2.9M 188M  2% /run
/dev/xvda1            8.0G  1.6G  6.5G  19% /
tmpfs                475M   0K  475M  0% /tmp
/dev/xvda128          10M  1.3M  8.7M  13% /boot/efi
tmpfs                 95M   0K  95M  0% /run/user/1000
10.10.1.115:/safil123  8.0E   0K  8.0E  0% /mnt/nfs/s3
[ec2-user@ip-10-10-1-25 ~]$ cp -v /media/data/*.* /mnt/nfs/s3
'/media/data/1.png' -> '/mnt/nfs/s3/1.png'
'/media/data/10.png' -> '/mnt/nfs/s3/10.png'
'/media/data/11.png' -> '/mnt/nfs/s3/11.png'
'/media/data/12.png' -> '/mnt/nfs/s3/12.png'
'/media/data/13.png' -> '/mnt/nfs/s3/13.png'
'/media/data/14.png' -> '/mnt/nfs/s3/14.png'
'/media/data/15.png' -> '/mnt/nfs/s3/15.png'
'/media/data/16.png' -> '/mnt/nfs/s3/16.png'
'/media/data/17.png' -> '/mnt/nfs/s3/17.png'
'/media/data/18.png' -> '/mnt/nfs/s3/18.png'
'/media/data/19.png' -> '/mnt/nfs/s3/19.png'
'/media/data/2.png' -> '/mnt/nfs/s3/2.png'
'/media/data/20.png' -> '/mnt/nfs/s3/20.png'
'/media/data/3.png' -> '/mnt/nfs/s3/3.png'
'/media/data/4.png' -> '/mnt/nfs/s3/4.png'
'/media/data/5.png' -> '/mnt/nfs/s3/5.png'
'/media/data/6.png' -> '/mnt/nfs/s3/6.png'
'/media/data/7.png' -> '/mnt/nfs/s3/7.png'
'/media/data/8.png' -> '/mnt/nfs/s3/8.png'
'/media/data/9.png' -> '/mnt/nfs/s3/9.png'

[ec2-user@ip-10-10-1-25 ~]$
```

File share details | Storage Gate safi123 - S3 bucket | S3 | Global

s3.console.aws.amazon.com/s3/buckets/safi123?region=us-east-2&bucketType=general&tab=objects

Amazon S3 Services Search [Alt+S] Global v @ 5901-8402-4012

Amazon S3 > Buckets > safi123

**safi123** Info

Objects Properties Permissions Metrics Management Access Points

**Objects (21)** Info

Find objects by prefix Show versions

Name	Type	Last modified	Size	Storage class
1.png	png	March 4, 2024, 19:38:33 (UTC+05:30)	2.2 KB	Standard
10.png	png	March 4, 2024, 19:38:33 (UTC+05:30)	6.3 KB	Standard
11.png	png	March 4, 2024, 19:38:33 (UTC+05:30)	2.7 KB	Standard
12.png	png	March 4, 2024, 19:38:33 (UTC+05:30)	5.4 KB	Standard

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File share details | Storage Gate safi456 - S3 bucket | S3 | Global

s3.console.aws.amazon.com/s3/buckets/safi456?region=us-west-2&bucketType=general&tab=objects

Amazon S3 Services Search [Alt+S] Global v @ 5901-8402-4012

Amazon S3 > Buckets > safi456

**safi456** Info

Objects Properties Permissions Metrics Management Access Points

**Objects (21)** Info

Find objects by prefix Show versions

Name	Type	Last modified	Size	Storage class
1.png	png	March 4, 2024, 19:38:33 (UTC+05:30)	2.2 KB	Standard
10.png	png	March 4, 2024, 19:38:33 (UTC+05:30)	6.3 KB	Standard
11.png	png	March 4, 2024, 19:38:33 (UTC+05:30)	2.7 KB	Standard
12.png	png	March 4, 2024, 19:38:33 (UTC+05:30)	5.4 KB	Standard

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