

# Module 4: VPC Assignment - 4

You have been asked to:

1. Create a VPC Endpoint for an S3 bucket of your choice

1. Type S3 in search bar. Open S3 dashboard

2. Note that region changes to Global

The screenshot shows the Amazon S3 console interface. On the left, there's a navigation menu with options like 'Buckets', 'Access Points', 'Object Lambda Access Points', 'Multi-Region Access Points', 'Batch Operations', 'Access analyzer for S3', 'Block Public Access settings for this account', 'Storage Lens', 'Dashboards', and 'AWS Organizations settings'. The main content area has a blue header with a message about improving the S3 console and a 'Follow security best practices for S3' notification. Below this, there's an 'Account snapshot' section with a 'View Storage Lens dashboard' button. The 'Buckets (1)' section is active, showing a search bar and a table of buckets. The table has columns for Name, AWS Region, Access, and Creation date. One bucket is listed: 'elasticbeanstalk-us-west-2-098760042302' in 'US West (Oregon) us-west-2' region, with 'Objects can be public' access and a creation date of 'May 13, 2015, 10:40:28 (UTC+05:30)'. A red callout points to the 'Create bucket' button in the top right of the buckets section.

Amazon S3

We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose **Provide feedback**.

Follow security best practices for S3.

Account snapshot

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

View Storage Lens dashboard

Buckets (1) Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
elasticbeanstalk-us-west-2-098760042302	US West (Oregon) us-west-2	Objects can be public	May 13, 2015, 10:40:28 (UTC+05:30)

Create bucket

3. Create bucket

The screenshot shows the Amazon S3 console interface after creating a new bucket. The 'Buckets (2)' section is active, showing a search bar and a table of buckets. The table has columns for Name, AWS Region, Access, and Creation date. Two buckets are listed: 'elasticbeanstalk-us-west-2-098760042302' and 'm4a4-s3-bucket'. The 'm4a4-s3-bucket' is highlighted with a red callout. The 'Create bucket' button is still visible in the top right of the buckets section.

Buckets (2) Info

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name	AWS Region	Access	Creation date
elasticbeanstalk-us-west-2-098760042302	US West (Oregon) us-west-2	Objects can be public	May 13, 2015, 10:40:28 (UTC+05:30)
m4a4-s3-bucket	US East (N. Virginia) us-east-1	Bucket and objects not public	December 31, 2021, 17:51:15 (UTC+05:30)

Create bucket

4. Verify new S3 bucket in dashboard

Your VPCs (1) Info

Filter VPCs

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR (Network border group)	IPv6 pool	DHCP options set
m4a4_vpc	vpc-0acae33e60d73b8c3	Available	10.0.0.0/24	-	-	dopt-092fccc4333

5. Create a VPC

- VPC Dashboard
- EC2 Global View New
- Filter by VPC:
- Select a VPC
- VIRTUAL PRIVATE CLOUD
- Your VPCs
- Subnets
- Route Tables
- Internet Gateways
- Egress Only Internet Gateways
- Carrier Gateways
- DHCP Options Sets
- Elastic IPs
- Managed Prefix Lists
- Endpoints

- Service category
- ☒ AWS services
  - ☐ Find service by name
  - ☐ Your AWS Marketplace services

7. Select AWS Service

Service Name com.amazonaws.us-east-1.s3

com.amazonaws.us-east-1.s3

8. Search & select com.amazonaws.us-east-1.s3 gateway

VPC\* vpc-0acae33e60d73b8c3

9. Select the VPC created earlier

6. Select to create an endpoint

Endpoint ID : vpce-0d0f2b0d92ee412fe							Add filter		K <	
Name	Endpoint ID	VPC ID	Service name	Endpoint type	Status	Creation time	Network Interfaces	Subnets		
m4a4_vpc_...	vpce-0d0f2b0d92e...	vpc-0acae33e60d...	com.amazonaws.us-east-1.s3	Gateway	available	December 31, 2021 at 6:46:26 PM U...	-	-		

11. Click on the bucket and open details

10. Created endpoint must be visible in Endpoints dashboard

m4a4-s3-bucket Info

12. View permissions

Objects Properties Permissions Metrics Management Access Po

Permissions overview

## Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Edit

13. Edit bucket policy

## Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

[Policy examples](#)[Policy generator](#)

Bucket ARN

arn:aws:s3:::m4a4-s3-bucket

## Policy

```
1  {
2    "Version": "2012-10-17",
3    "Id": "Policy1640957686514",
4    "Statement": [
5      {
6        "Sid": "Stmt1640957681309",
7        "Effect": "Deny",
8        "Principal": "*",
9        "Action": "s3:*",
10       "Resource": "arn:aws:s3:::m4a4-s3-bucket",
11       "Condition": {
12         "StringNotEquals": {
13           "aws:SourceVpce": "vpce-0d0f2b0d92ee412fe"
14         }
15       }
16     ]
17  }
```

## Edit statement

Select a statement

Select an existing statement in the policy or add a new statement.

+ Add new statement

14. Replace existing policy with above text in Policy editor and save changes