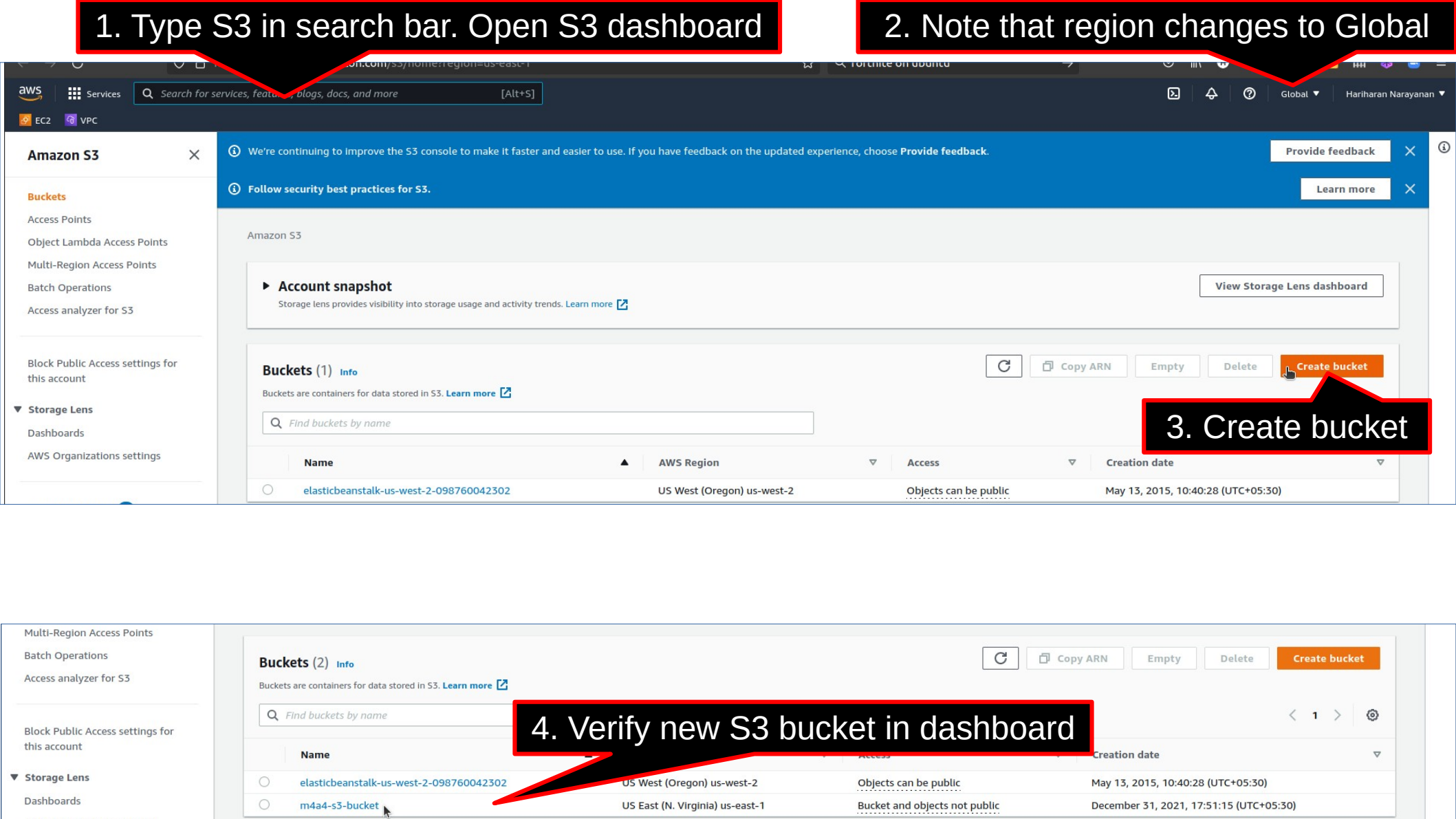
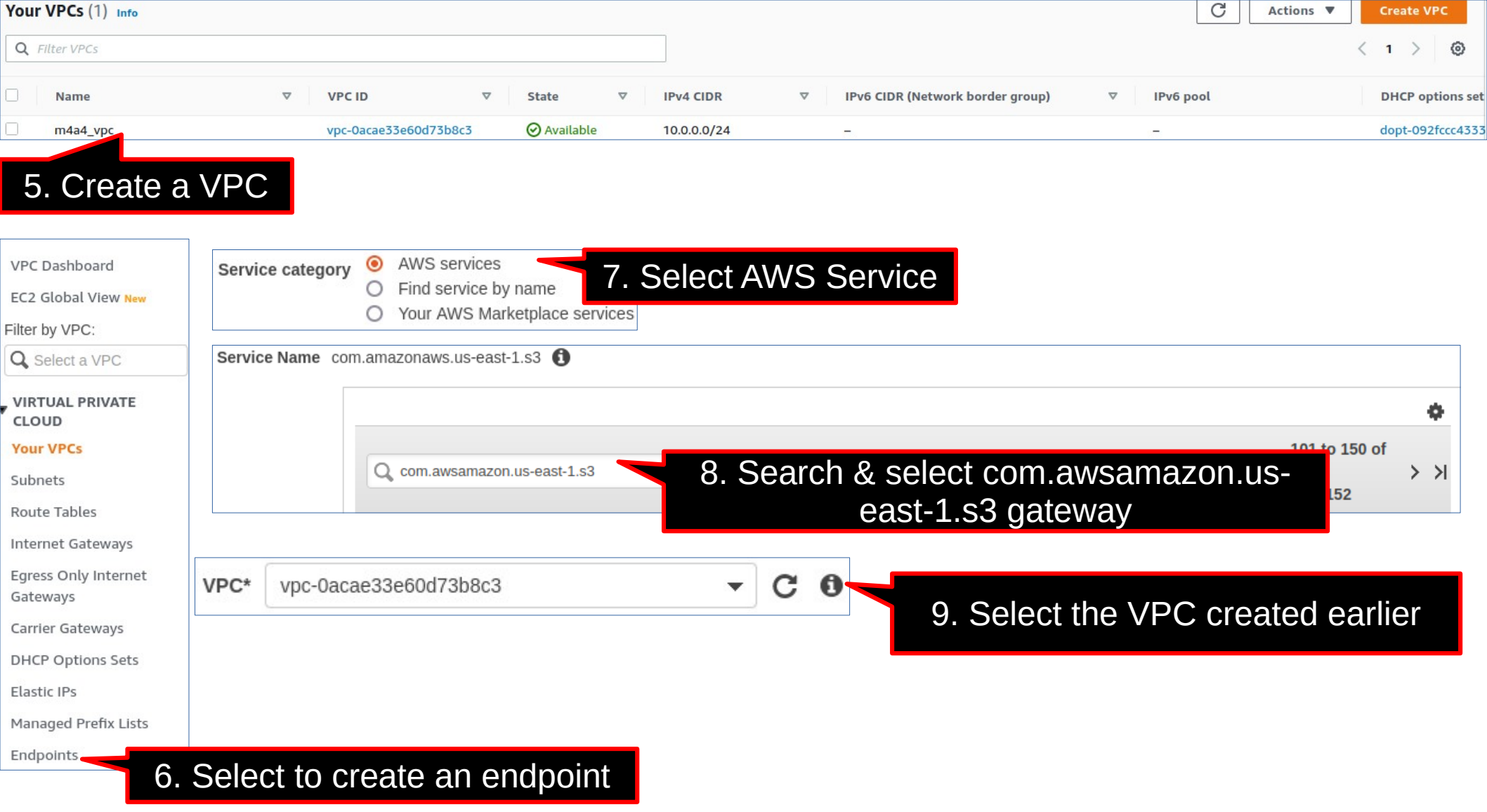
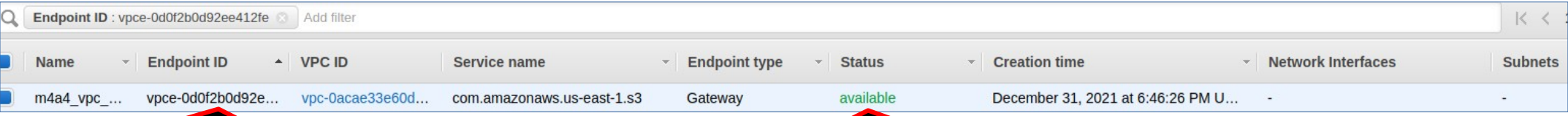
Module 4: VPC Assignment - 4

You have been asked to:

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

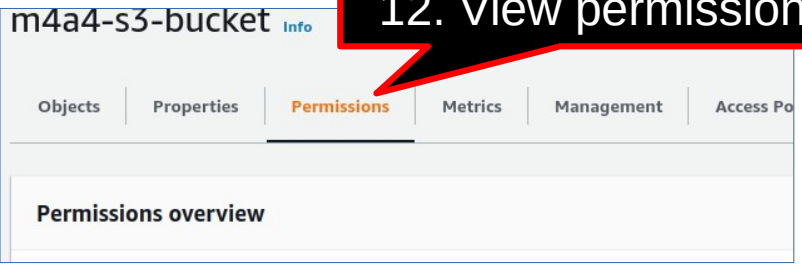

1. Type S3 in search bar. Open S3 dashboard
2. Note that region changes to Global
Search for services, features, blogs, docs, and more [Alt+S]
Global
Hariharan Narayanan
EC2
VPC
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
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.
Provide feedback
Follow security best practices for S3.
Learn more
Amazon 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
Copy ARN
Empty
Delete
Create bucket
3. Create bucket
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)
Multi-Region Access Points
Batch Operations
Access analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
Buckets (2) Info
Buckets are containers for data stored in S3. Learn more
Copy ARN
Empty
Delete
Create bucket
4. Verify new S3 bucket in dashboard
Find buckets by name
1
Name
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)


Your VPCs (1) Info
Actions
Create VPC
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
6. Select to create an endpoint
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.awsamazon.us-east-1.s3
8. Search & select com.awsamazon.us-east-1.s3 gateway
VPC*
vpc-0acae33e60d73b8c3
9. Select the VPC created earlier

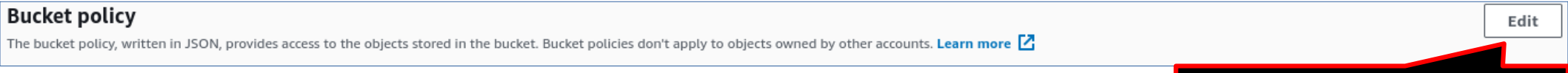


11. Click on the bucket and open details

10. Created endpoint must be visible in Endpoints dashboard



12. View permissions



13. Edit bucket policy

Edit bucket policy Info

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

```
{
    "Version": "2012-10-17",
    "Id": "Policy1640957686514",
    "Statement": [
        {
            "Sid": "Stmt1640957681309",
            "Effect": "Deny",
            "Principal": "*",
            "Action": "s3:*",
            "Resource": "arn:aws:s3:::m4a4-s3-bucket",
            "Condition": {
                "StringNotEquals": {
                    "aws:SourceVpce": "vpce-0d0f2b0d92ee412fe"
                }
            }
        }
    ]
}
```

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