

## Lesson 05 Demo 06

### Creating a VPC Endpoint

**Objective:** To create a VPC Endpoint to establish a secure connection between a Virtual Private Cloud (VPC) and an Amazon S3 bucket

**Tools required:** AWS Management Console

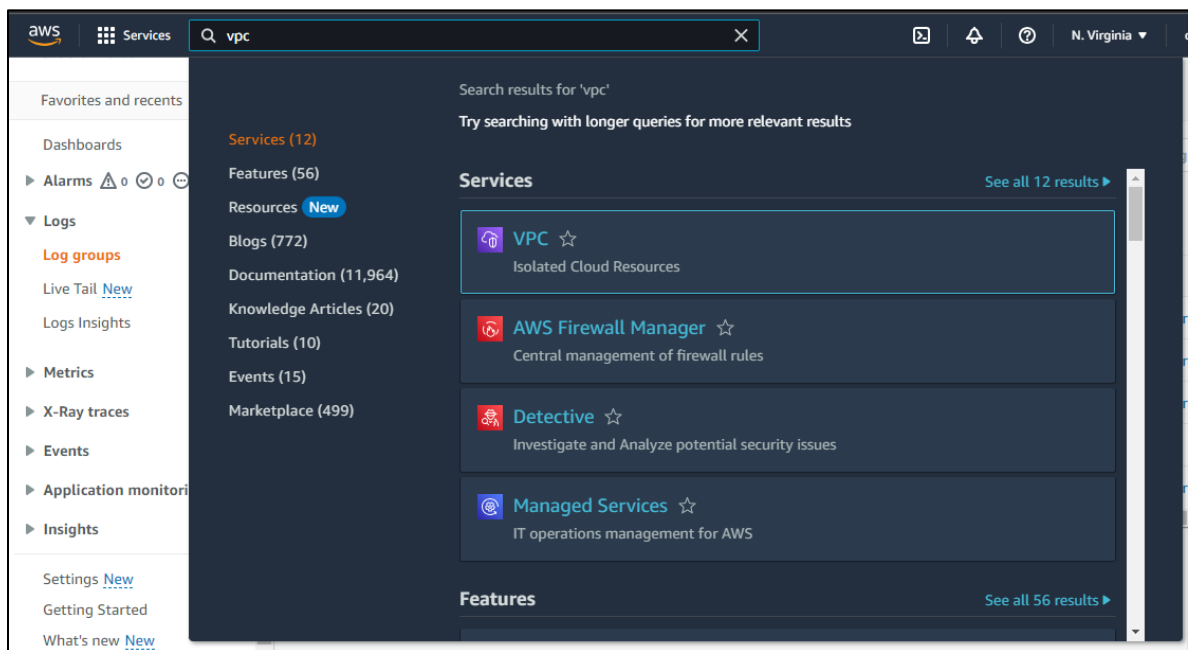
**Prerequisites:** AWS account

Steps to be followed:

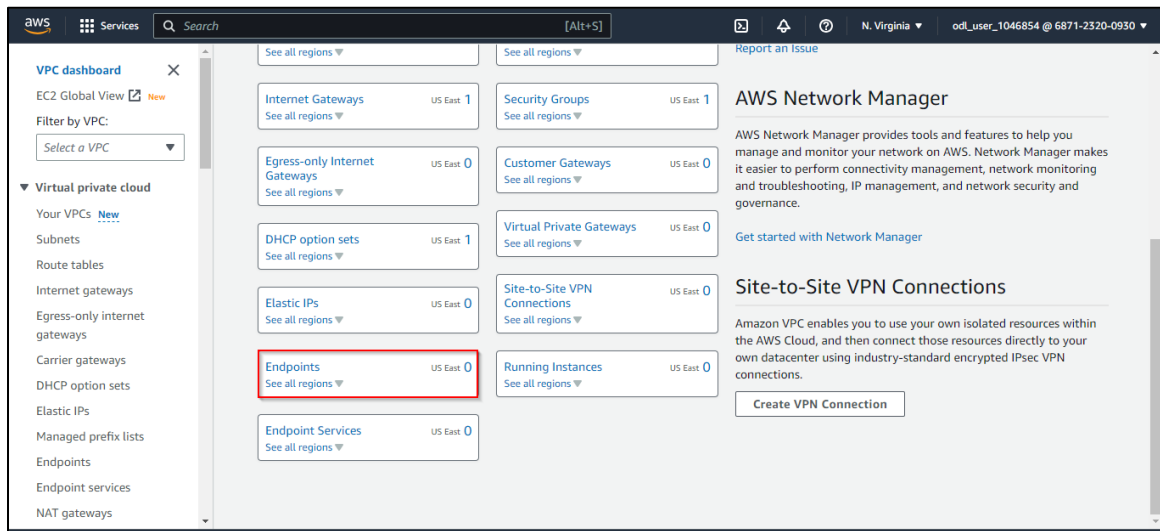
1. Create a VPC Endpoint

#### Step 1: Create a VPC Endpoint

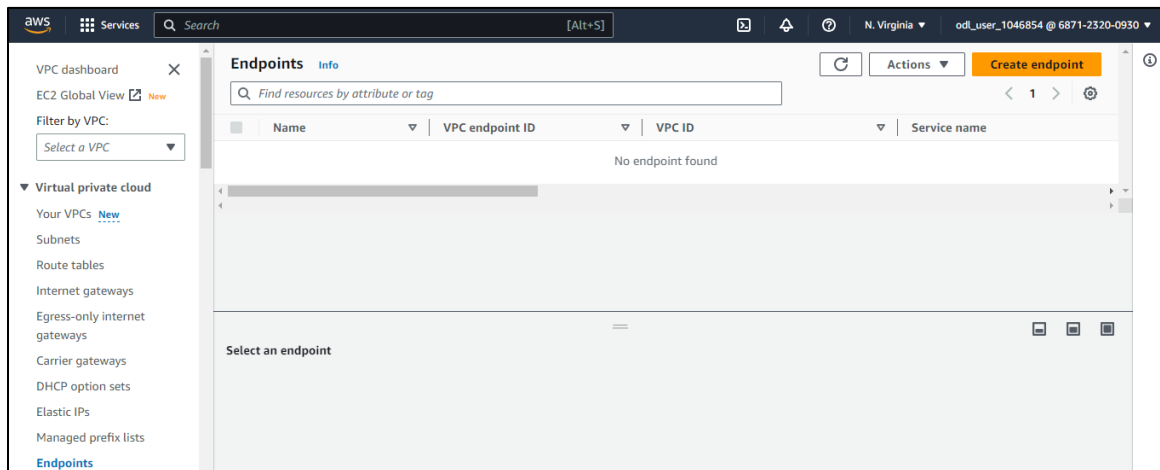
- 1.1 Navigate to the AWS portal home screen, search and select **VPC**



## 1.2 Click on Endpoints



## 1.3 Click on Create endpoint



## 1.4 Enter the name as **my-endpoint-01** under **Endpoint settings**

**Create endpoint** info

There are three types of VPC endpoints – Interface endpoints, Gateway Load Balancer endpoints, and Gateway endpoints. Interface endpoints and Gateway Load Balancer endpoints are powered by AWS PrivateLink, and use an Elastic Network Interface (ENI) as an entry point for traffic destined to the service. Interface endpoints are typically accessed using the public or private DNS name associated with the service, while Gateway endpoints and Gateway Load Balancer endpoints serve as a target for a route in your route table for traffic destined for the service.

**Endpoint settings**

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

**Service category**  
Select the service category

☒ **AWS services**  
Services provided by Amazon

☐ PrivateLink Ready partner services  
Services with an AWS Service Ready designation

☐ AWS Marketplace services  
Services that you've purchased through AWS Marketplace

☐ EC2 Instance Connect Endpoint  
An elastic network interface that allow you to connect to resources in a private subnet

☐ Other endpoint services  
Find services shared with you by service name

## 1.5 Search for **s3** under **Services** and choose **us-east-1.s3** from the results

**Services (2)**

Search:

Use: "s3"

Client filters values

- Service Name = com.amazonaws.s3-global.accesspoint
- Service Name = com.amazonaws.us-east-1.s3**
- Service Name = com.amazonaws.us-east-1.s3-outposts

Owner	Type
amazon	Gateway
amazon	Interface

## 1.6 Select the s3 service name, choose the **default VPC**, and then click the **Create endpoint** button

The screenshot displays the AWS IAM console interface for creating a service endpoint. The top navigation bar shows the AWS logo, 'Services', a search bar, and the current region 'N. Virginia'.

**Services (1/2)**

Search: s3

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

Service Name	Owner	Type
com.amazonaws.us-east-1.s3	amazon	Gateway
com.amazonaws.us-east-1.s3	amazon	Interface

**VPC**

Search: |

vpc-0b6b13e9cee832d0c (default) ✓

vpc-0b6b13e9cee832d0c

**Tags**

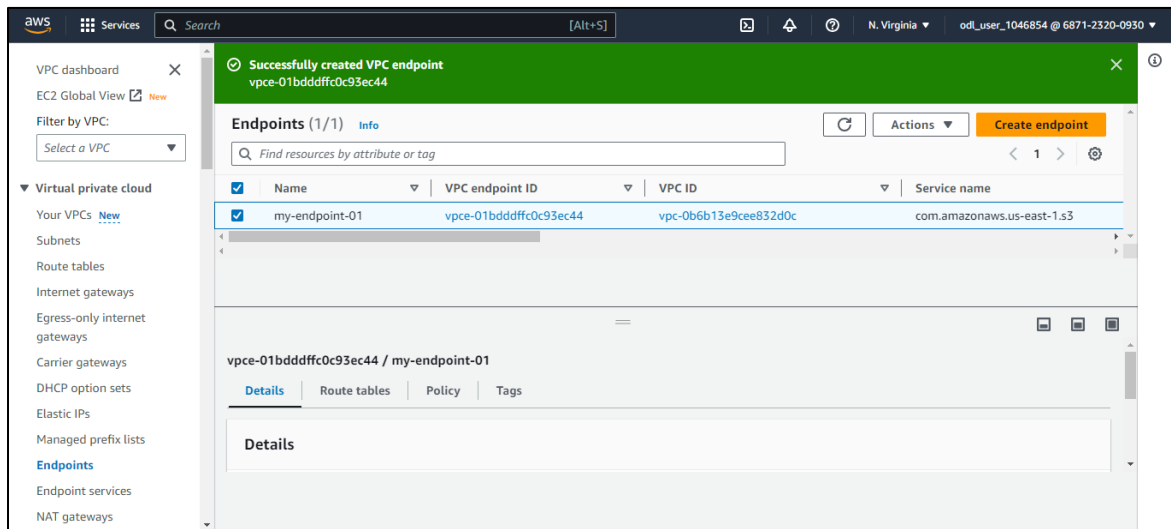
Key: Name

Value - optional: my-endpoint-01

Add new tag

You can add 49 more tags.

Cancel Create endpoint



VPC endpoint is created successfully.

By using these steps, you will have successfully created a VPC endpoint, establishing a secure and private connection between your VPC and the Amazon S3 service.