

## Lesson 05 Demo 03

### Exploring Network ACL Firewall

**Objective:** To set up the prerequisites for Network ACL Firewall and use it to secure network traffic in your AWS environment

**Tools require:** AWS Web Console

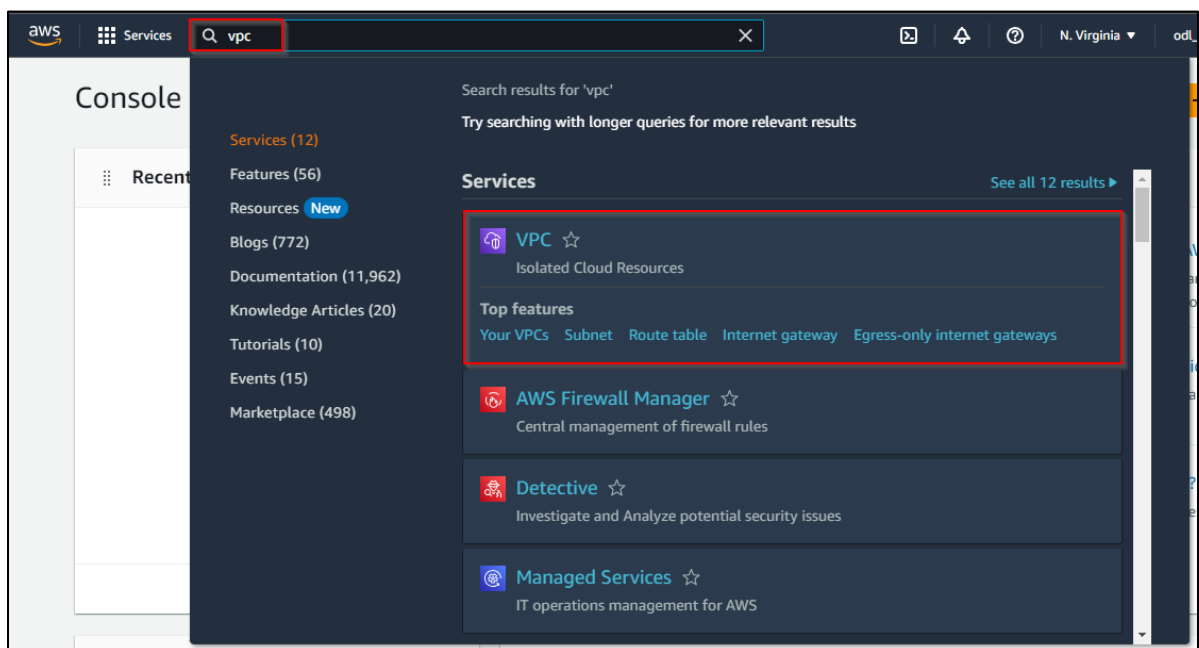
**Prerequisites:** AWS account

Steps to be followed:

1. Create a network ACL

#### Step 1: Create a network ACL

- 1.1 Navigate to the AWS web console and select the **VPC** service



## 1.2 Click on **Network ACLs** under the **Resources by Region** section

The screenshot shows the AWS VPC dashboard. On the left, there's a sidebar with 'Virtual private cloud' expanded. The main area is titled 'Resources by Region' and shows a grid of resource counts for US East. The 'Network ACLs' link is highlighted with a red box.

Resource Type	US East Count
VPCs	1
Subnets	6
Route Tables	1
Internet Gateways	1
Egress-only Internet Gateways	0
NAT Gateways	0
VPC Peering Connections	0
Network ACLs	1
Security Groups	1
Customer Gateways	0

## 1.3 Click on **Create network ACL**

The screenshot shows the AWS Network ACLs page. The 'Create network ACL' button is highlighted with a red box. Below the button is a table with one entry.

Name	Network ACL ID	Associated with	Default	VPC ID
-	acl-08d89084b15b236e8	6 Subnets	Yes	vpc-094f542da799c2

## 1.4 Enter the Name as NACL-01

**Create network ACL** [Info](#)

A network ACL is an optional layer of security that acts as a firewall for controlling traffic in and out of a subnet.

**Network ACL settings**

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

**NACL-01**

**VPC**  
VPC to use for this network ACL.

Select a VPC

**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 - optional**

Q Name X Q NACL-01 X Remove tag

Add tag

## 1.5 Click on VPC and select the default VPC

**Create network ACL** [Info](#)

A network ACL is an optional layer of security that acts as a firewall for controlling traffic in and out of a subnet.

**Network ACL settings**

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

**NACL-01**

**VPC**  
VPC to use for this network ACL.

vpc-094f542da799c257e

Q |

**vpc-094f542da799c257e** (default) ✓  
172.31.0.0/16

can use tags to search and filter your resources or track your AWS costs.

**Key** **Value - optional**

Q Name X Q NACL-01 X Remove tag

Add tag

You can add 49 more tags

Cancel Create network ACL

## 1.6 Click on **Create network ACL**

A network ACL is an optional layer of security that acts as a firewall for controlling traffic in and out of a subnet.

### Network ACL settings

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

NACL-01

**VPC**  
VPC to use for this network ACL.

vpc-094f542da799c257e

### 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 - optional**

Q Name X Q NACL-01 X Remove tag

Add tag

You can add 49 more tags

Cancel **Create network ACL**

You successfully created acl-03b353c83b559c2f7 / NACL-01.

### Network ACLs (2)

Find resources by attribute or tag

Name	Network ACL ID	Associated with	Default	VPC ID
-	acl-08d89084b15b236e8	6 Subnets	Yes	vpc-094f542da799c257e
NACL-01	acl-03b353c83b559c2f7	-	No	vpc-094f542da799c257e

Select a network ACL

The Network ACL is successfully created.

By following these steps, you have successfully demonstrated the process of creating a Network Access Control List (NACL) within the AWS environment.