## Introduction

A **Network Access Control List (NACL)** is an optional layer of security that acts as a firewall for controlling traffic in and out of a subnet. The network access control list is a numbered list of rules, evaluated in order, to determine whether traffic is allowed in or out of any associated subnet. NACLs are stateless which means they cannot tell if a message is in response to a request that started *inside* the VPC, or if it is a request that started from the internet. Hence, a NACL is better suited for private subnets. For public subnets, using security groups is recommended without NACLs.

The VPC comes with a modifiable default network ACL and each subnet must be associated with a network ACL. If you do not explicitly associate a subnet with a network ACL, the subnet is automatically associated with the default network ACL that allows all inbound and outbound traffic:

In this lab, you will create a Network Access Control List for your private subnet.

## Instructions

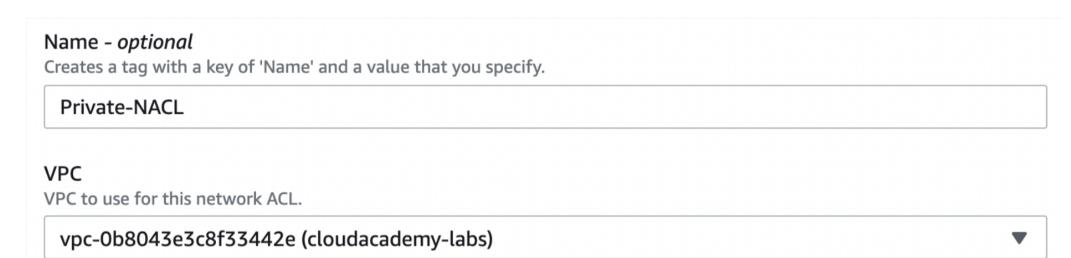
1. In the left navigation pane, click **Network ACLs** under **Security**:



2. Click Create Network ACL:

**Create network ACL** 

- 3. Configure the following Network ACL settings:
  - Name: Enter Private-NACL
  - VPC: Select cloudacademy-labs from the drop-down menu



4. Click Create network ACL

Create network ACL

5. Select **Private-NACL** from the Network ACLs list and click the **Subnet associations** tab:

Subnet associations

6. Click Edit subnet associations:

**Edit subnet associations** 

7. Select the check box for the **Private-A** subnet to associate it with the network ACL:



8. Click Save changes.

## **Summary**

In this lab step, you created a Network ACL and associated it with the private subnet in your VPC.

**VALIDATION CHECKS** 

