Introduction

An internet gateway is a horizontally scaled, redundant, and highly available VPC component that allows communication between instances in your VPC and the Internet. It imposes no availability risks or bandwidth constraints on your network traffic. An internet gateway serves two purposes: to provide a target in your VPC route tables for internet-routable traffic and to perform network address translation (NAT) for instances that have been assigned public IP addresses.

You can create a new internet gateway for your previously created VPC using the AWS Management Console.

Instructions

1. From the VPC dashboard, click the **Internet gateways** link in the sidebar menu:

▼ **Virtual private cloud**

Your VPCs

Subnets

Route tables

Internet gateways

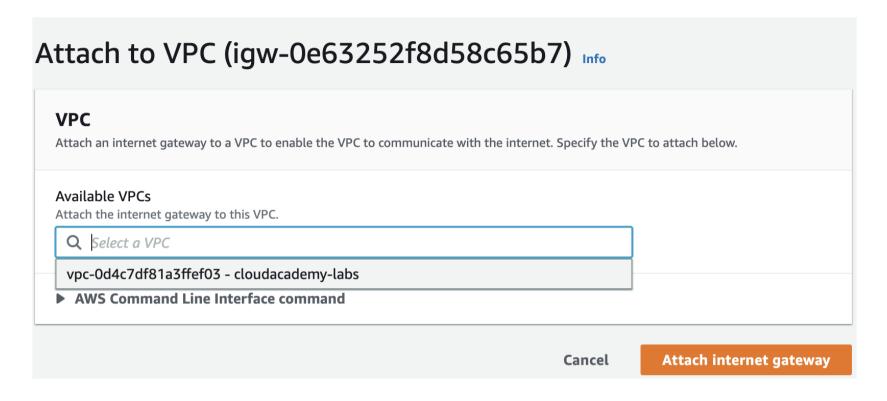2. Click **Create Internet Gateway** to begin creating a new gateway:

3. On the **Create internet gateway** form, enter *labs-gw* in the **Name tag** field and then click **Create internet gateway**:

Create internet gateway Info

An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.

Internet gateway settings

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

```
labs-gw
```

4. Click **Actions -> Attach to VPC** to attach to a VPC:

Actions ▲

Attach to VPC

5. In the **Attach to VPC** page, select the VPC `cloudacademy-labs` from the list, and then click **Attach Internet gateway**:

Attach to VPC (igw-0e63252f8d58c65b7) Info

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

🔍 Select a VPC

vpc-0d4c7df81a3ffef03 - cloudacademy-labs

▶ **AWS Command Line Interface command**

Cancel   **Attach internet gateway**

Summary

In this Lab Step, you created an internet gateway for your VPC.

VALIDATION CHECKS

1	**Checks**		Check again ↻

✓ Attached Internet Gateway

Attached the Internet Gateway to the non-default VPC

Networking for AWS