

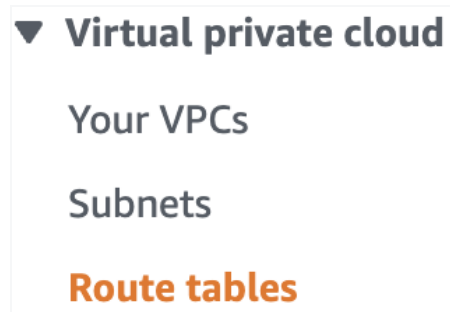
Introduction

To use an internet gateway your subnet's route table must contain a route that directs internet-bound traffic to the internet gateway. You can scope the route to all destinations not explicitly known to the route table (0.0.0.0/0), or you can scope the route to a narrower range of IP addresses; for example, the public IP addresses of your company's public endpoints outside of AWS, or the Elastic IP addresses of other Amazon EC2 instances outside your VPC. If your subnet is associated with a route table that has a route to an internet gateway, it's known as a public subnet.

You can add routes to your previously created VPC route table using the AWS Management Console.

Instructions

1. From the VPC dashboard, click the **Route tables** link in the sidebar menu:



2. Select the **Main** route table for the `cloudacademy-labs` VPC:

<input type="checkbox"/>	Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC
<input checked="" type="checkbox"/>	–	rtb-00745b1cdd6de58dc	–	–	Yes	vpc-078d4c3db74d935f3 cloudacademy-labs
<input type="checkbox"/>	–	rtb-0cddef876e8678f33	–	–	Yes	vpc-0dd35d3c69c7f1939

3. Select the **Routes** tab:

Details	Routes	Subnet associations	Edge associations	Route propagation	Tags
---------	--------	---------------------	-------------------	-------------------	------

Routes are a set of rules which are used to determine where network traffic is directed.

4. Click the **Edit routes** button:



5. Click **Add route** and set the following values before clicking **Save changes**:

- **Destination:** Enter 0 . 0 . 0 . 0 / 0 as the CIDR block
- **Target:** Click **Internet Gateway** and then select your previously-created internet gateway

<input type="text" value="0.0.0.0/0"/>	<input type="text" value="igw-01f0fbb909bbb190c"/>	-	No	<button>Remove</button>
<button>Add route</button>				

This sets all external traffic for the main route table of your VPC to go through the internet gateway.

Summary

In this Lab Step, you configured your VPC's main route table to route external traffic to the internet gateway, which enabled internet connectivity for your VPC.

VALIDATION CHECKS

1 Checks

[Check again](#) 

Connected Internet Gateway to the Route Table

Connected an internet gateway to a non-default VPC route table

Networking for AWS