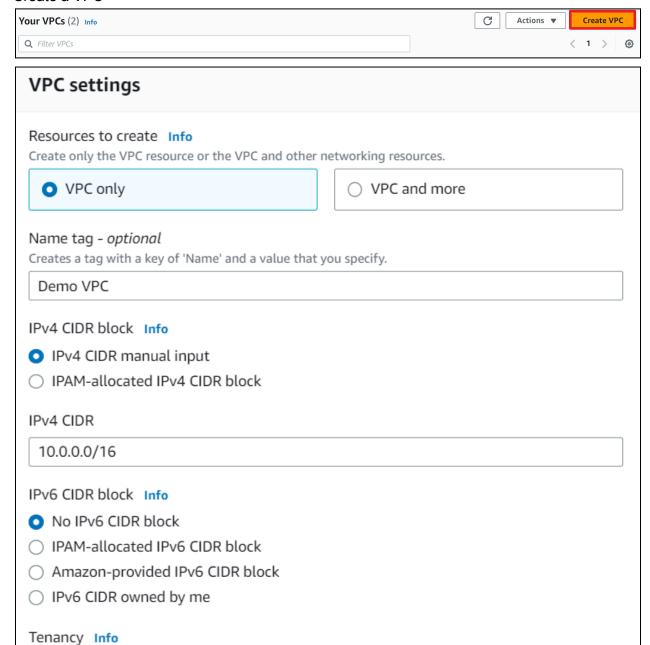
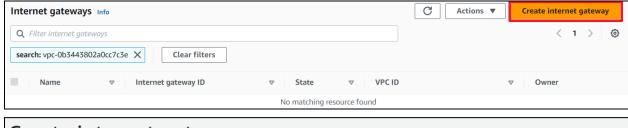
## Create a VPC

Default



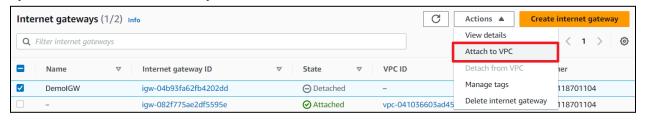
Create Internet Gateway and attach Internet Gateway to VPC An internet gateway enables you to connect to an EC2 instance in AWS using your local computer



# 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. DemolGW Tags - optional 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. Value - optional Key Q Name X Q DemolGW X Remove Add new tag You can add 49 more tags. Cancel **Create internet gateway** VPC ID Name Internet gateway ID Owner igw-04b93fa62fb4202dd Detached 770118701104 DemolGW

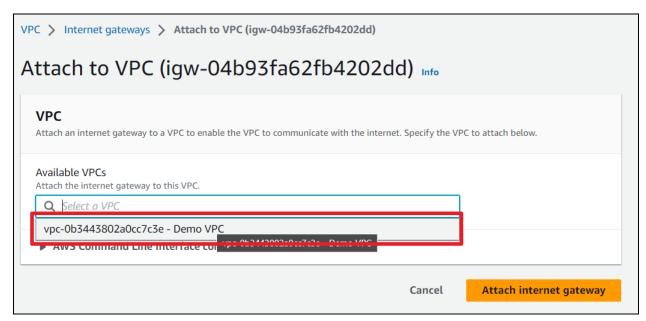
## By default the Internet Gateway is detached

igw-082f775ae2df5595e



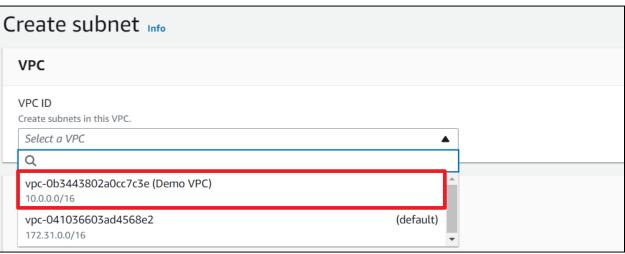
vpc-041036603ad4568e2

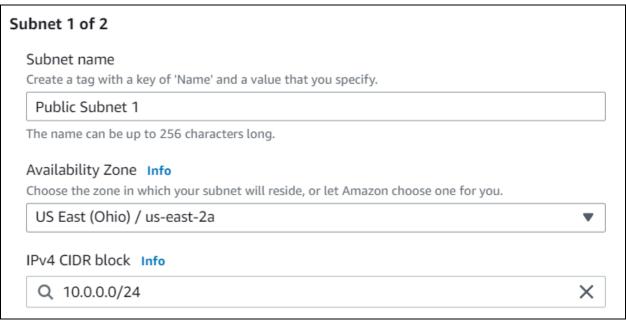
770118701104

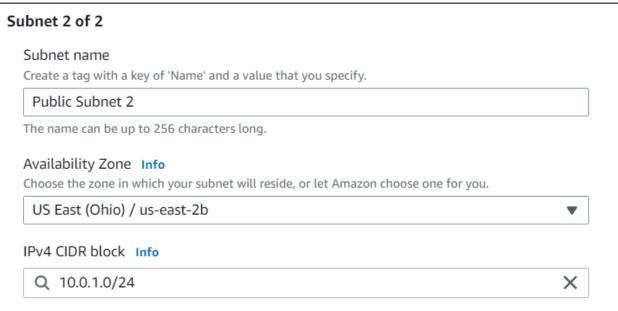


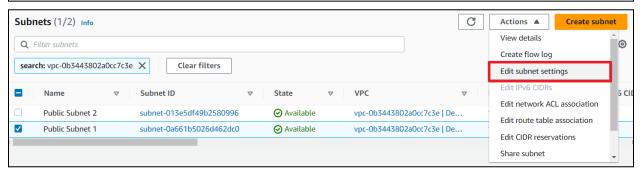
# Create two public subnets in two Availability Zones Modify auto-assign IP settings



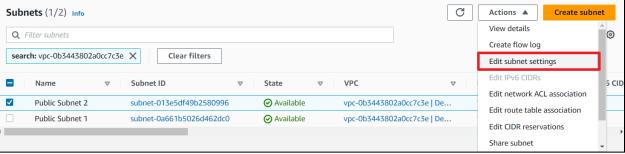






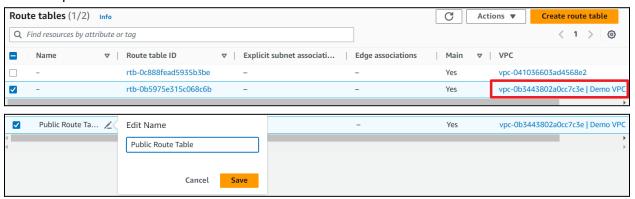


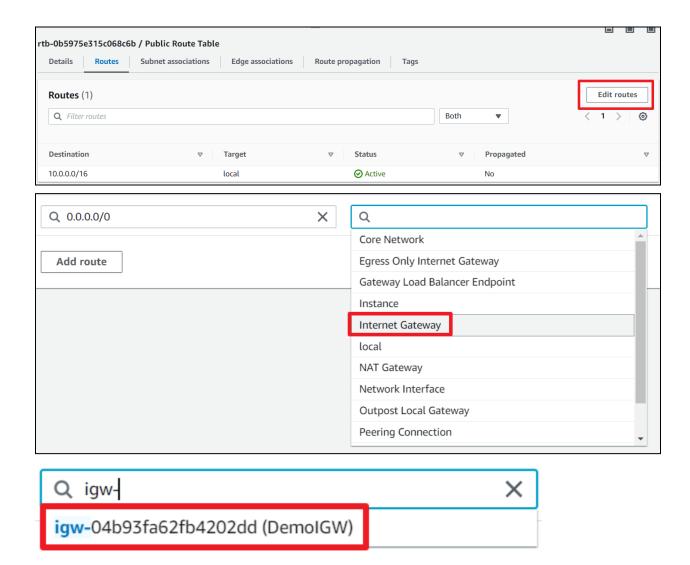




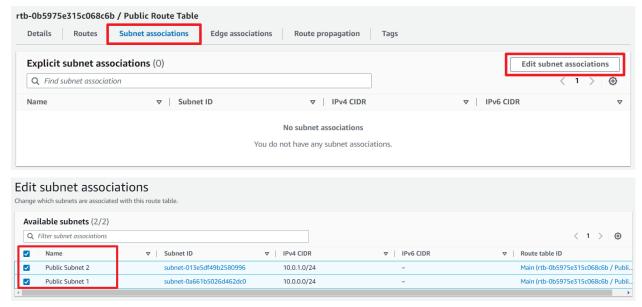
# Auto-assign IP settings Info Enable the auto-assign IP settings to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet. ✓ Enable auto-assign public IPv4 address Info Enable auto-assign customer-owned IPv4 address Info Option disabled because no customer owned pools found.

# Create a public route table (automatically created after create VPC) Create a public route



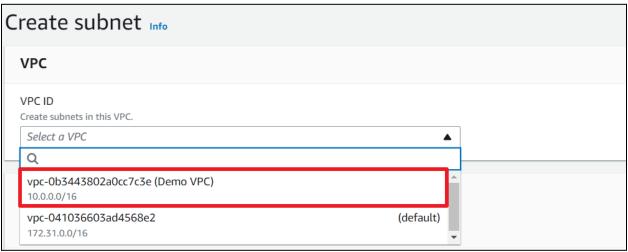


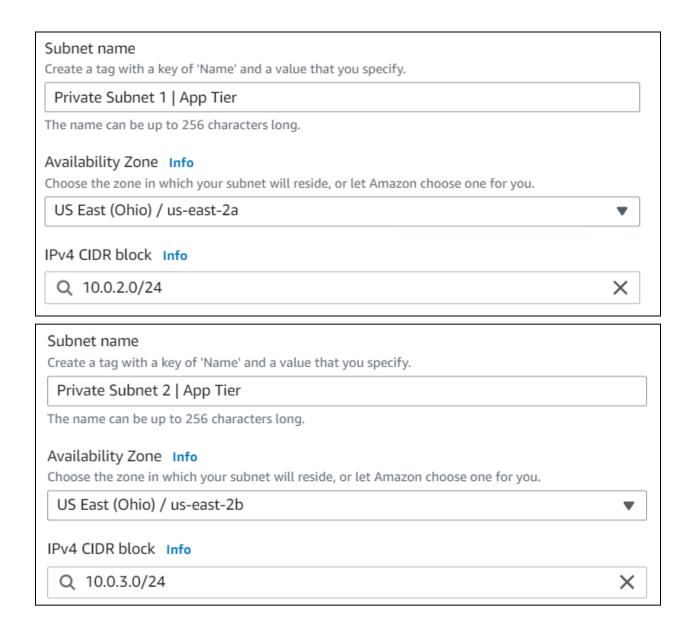
Associate public route table to public subnet 1 and 2

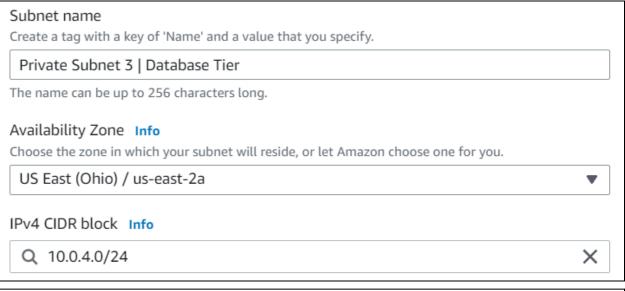


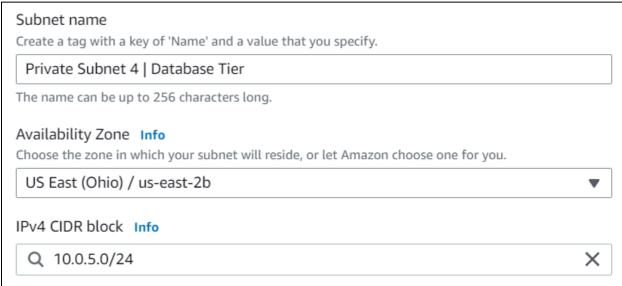
## Create 4 private subnets (2 in each Availability Zone)









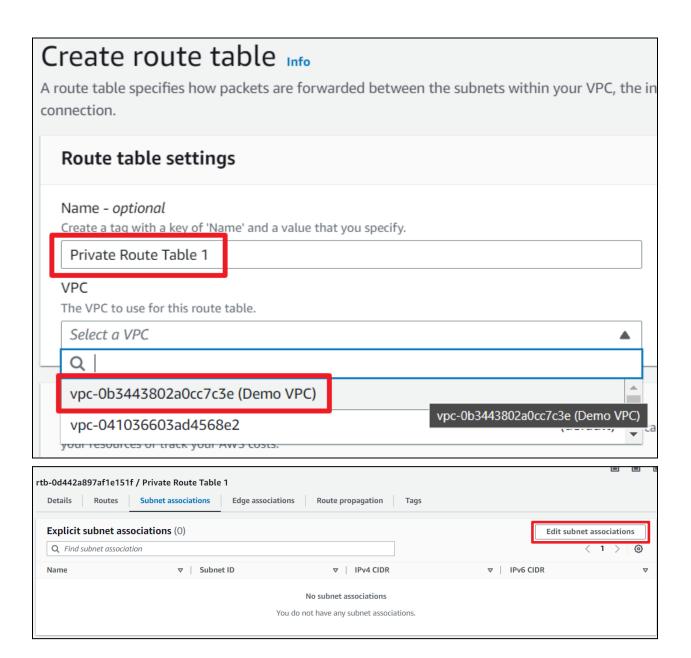


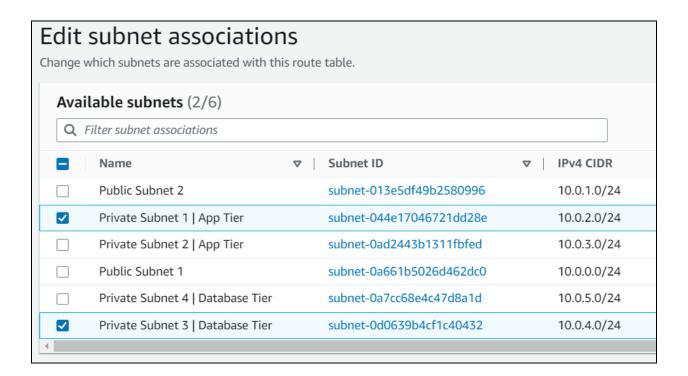
#### Create private route table 1

Associate private route table 1 to private subnet 1 and 3

Difference of private route table and a public route table is that the private route table doesn't have the internet gateway attached to it and the public route table does.







### Create private route table 2

Associate private route table 1 to private subnet 2 and 4

