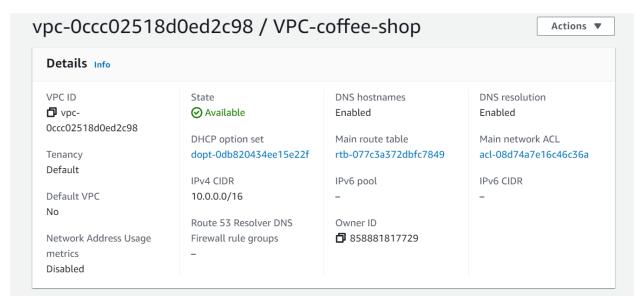
Step 1: Create a Virtual Private Cloud (VPC):

IPv4 CIDR block: 10.0.0.0/16

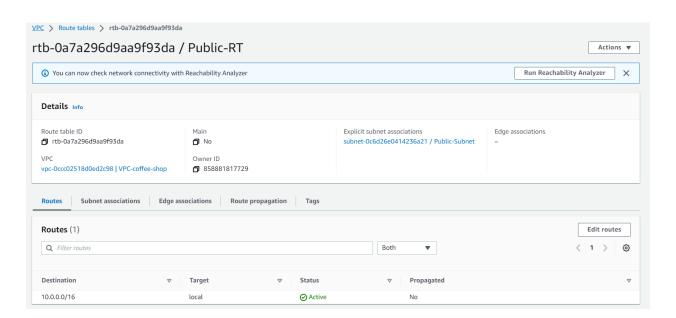


Created two subnets, one public and one private.

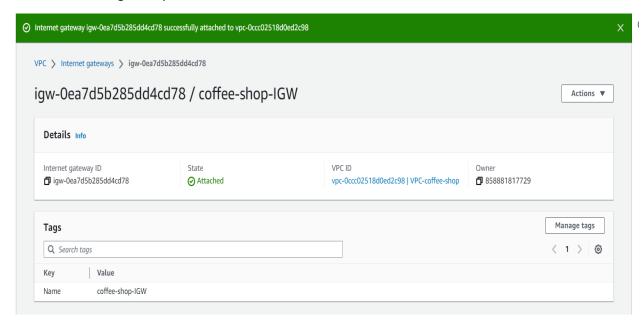
IPv4 CIDR blocks for public: 10.0.1.0/24
IPv4 CIDR blocks for private: 10.0.2.0/24



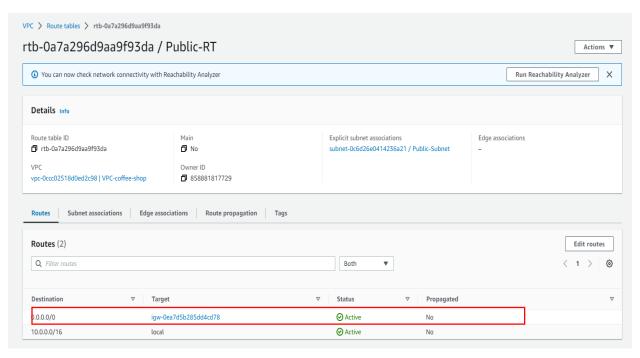
Created routing table for our public subnet



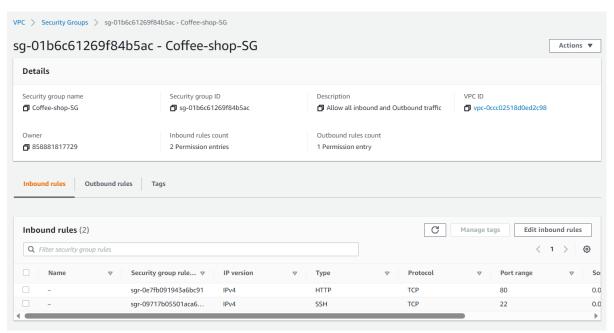
Created internet gateway and attached it to our VPC



Attached internet gateway to the route table

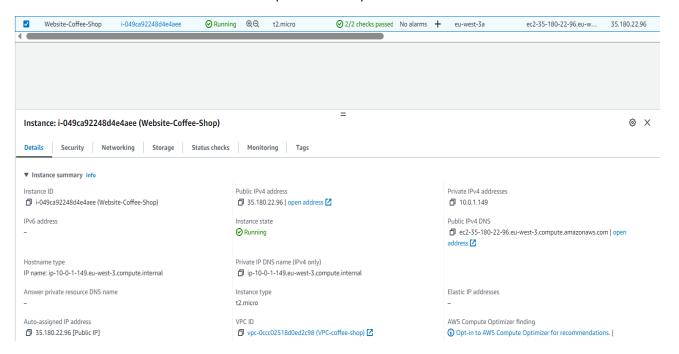


Created security group to allow inbound and outbound traffic



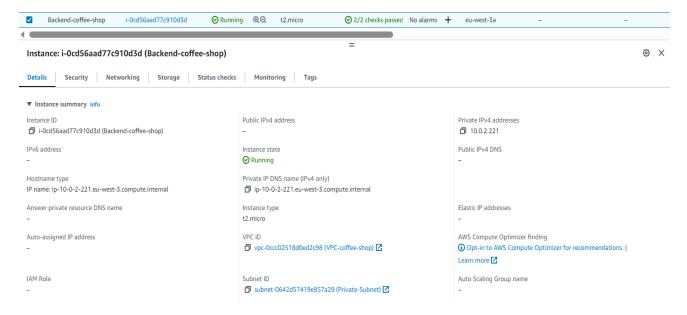
Step 2: Launch EC2 Instances:

Created EC2 instance for the website (Public Subnet)



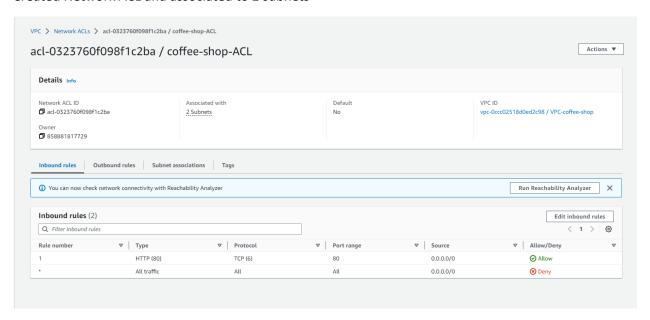


Created the 2nd instance for backend (Private subnet)



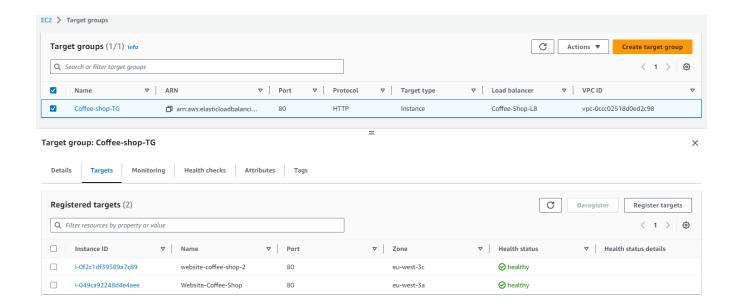
Step 3: Configure Network ACLs:

Created Network ACL and associated to 2 subnets

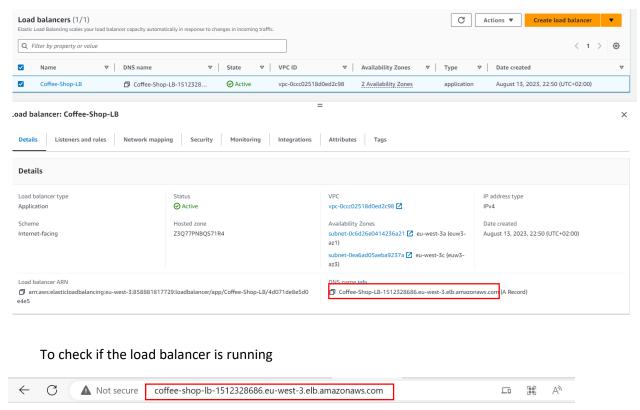


Step 4: Set Up Elastic Load Balancer (ELB):

Created target groups



Created Application load balancer



Welcome to the coffee shop website EC2 instance



Welcome to the 2nd coffee shop website EC2 instance