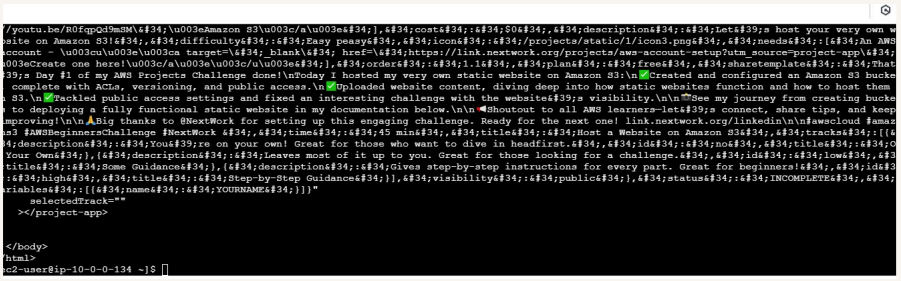
Testing VPC Connectivity

Sayed Mahmeer Ali Shah



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Introducing Today's Project!

What is Amazon VPC?

Amazon Virtual Private Cloud (VPC) is a service that lets you provision a logically isolated section of the AWS Cloud where you can launch 1 AWS resources in a virtual network 2 that you define, providing control over your virtual networking enviro

How I used Amazon VPC in this project

i used VPC to provide network connectivity to public and private EC2.

One thing I didn't expect in this project was...

i didnt expect this project to be this much interesting.

This project took me...

it took me 40 minutes to complete the project.

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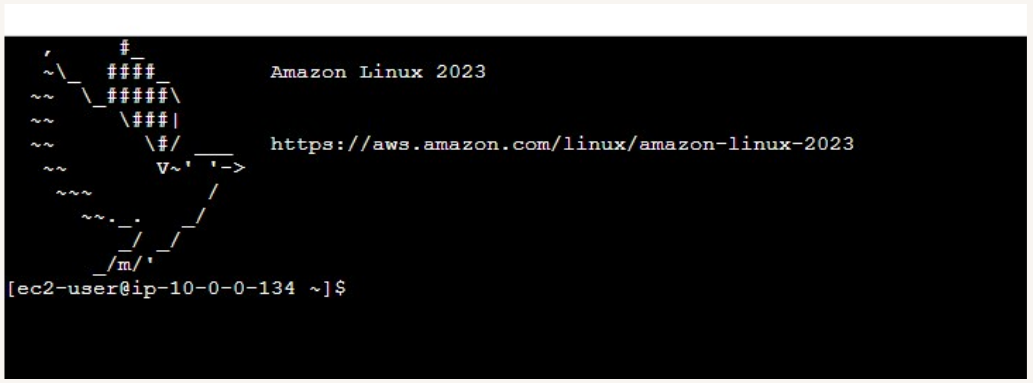
Connecting to an EC2 Instance

Connectivity means an alternative way to use SSH - Instance Connect lets you securely connect to your EC2 instances directly using the AWS Management Console.

My first connectivity test was whether I could connect to NextWork Public Server.



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EC2 Instance Connect

I connected to my EC2 instance using EC2 Instance Connect, which is a direct way to connect my Public server on the Internet.

My first attempt at getting direct access to my public server resulted in an error, because i didnt configure SSH in inbound rules.

I fixed this error by adding SSH to inbound rules.

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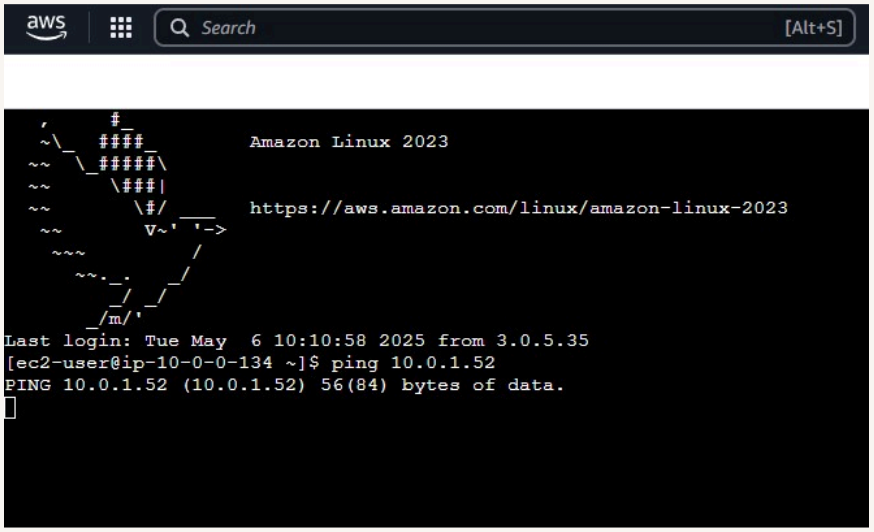
Connectivity Between Servers

Ping is a command to check connectivity. I used ping to test the connectivity between public and private EC2.

The ping command I ran was private ping[private ipv4 of my private server/ec2]

The first ping returned bytes lost. This meant the connectivity failed.



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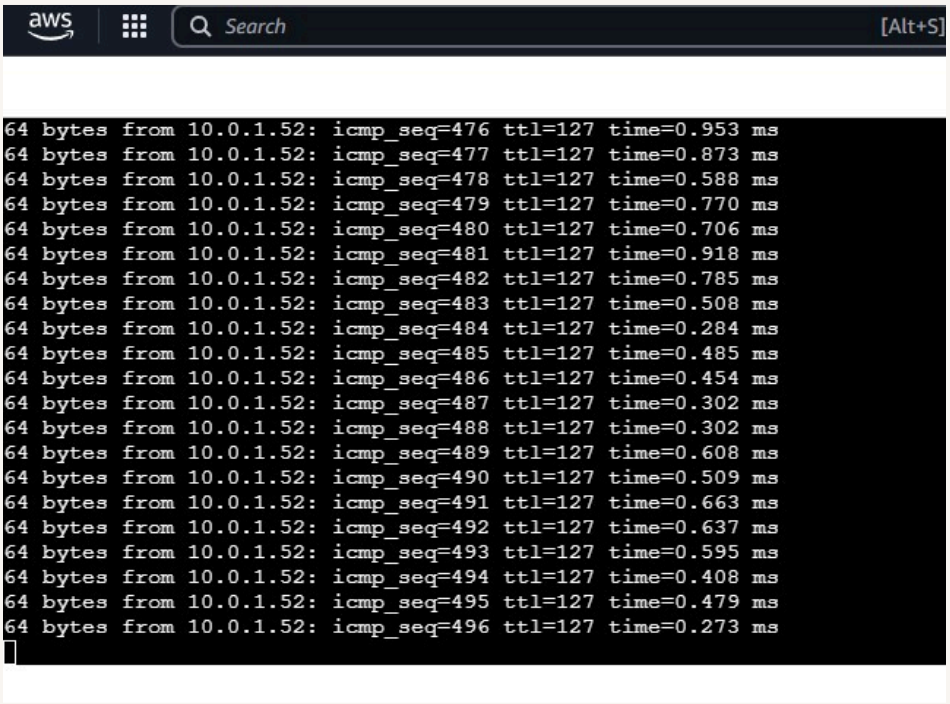
Troubleshooting Connectivity

I troubleshooted this by checking my inbound and outbound rules of my security group.



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Connectivity to the Internet

Curl is to checck the access to a weebsite.

I used curl to test the connectivity between my server and example.com

Ping vs Curl

Ping and curl are different because ping is to check connectivity and Curl is for access.

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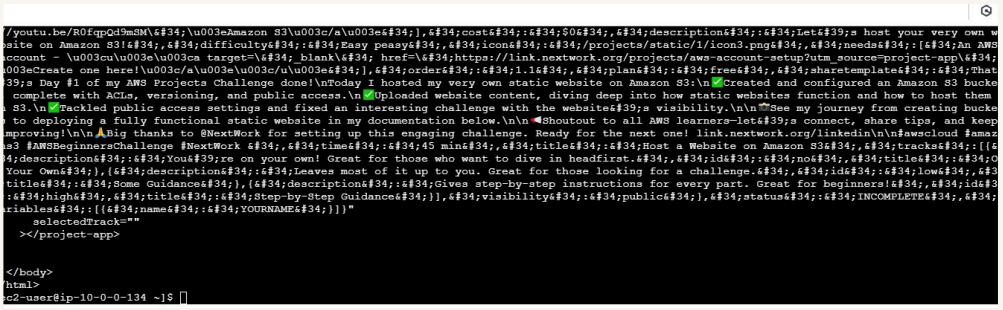
Connectivity to the Internet

I ran the curl command example.org which returned found.



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