AWS Creating a Virtual Private Cloud

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Purpose

The purpose of this AWS lesson was to learn how to create an Amazon Virtual Private Cloud(VPC) and to create a public and private subnet within the VPC. In this lesson we got to create the internet gateway and manage the flow of traffic. Through this lesson, I learned the purpose of creating a VPC and the roles within.

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* I went into the VPC Dashboard to create a VPC and configuring certain settings like the public subnet and VPC name.

A screenshot of a computer

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* Graphical user interface, application

  Description automatically generatedAfter creating the VPC, I went into the subnets tab and created a public and private subnet with IPv4 CID Block.

Graphical user interface, application

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* After entering the VPC dashboard, I created an internet gateway with the name tag as MyVPC\_IG.

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* The next step was to attach the internet gateway to the Amazon VPC.

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* Afterwards, we had to create a route table for the VPC we created and enter it as a Public Route Table. The route table helps with pointing all traffic destined for the public internet to the internet gateway.

Graphical user interface, application

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* Lastly, we had to edit the routes that coincides with our Amazon VPC CIDR range and keep all the local traffic within the VPC. We had to select the internet gateway and enter the destination 0.0.0.0/0 to represent all the internet traffic.

Conclusion

In this lesson, I created an Amazon VPC with public and private subnets. In the VPC, I created subnets with route tables and an internet gateway. Our job was to create the Amazon VPC and create public and private subnet to manage the flow of traffic within the internet gateway. Overall, we learned what each role is within in the VPC and create the infrastructure of the VPC.