TECNOLÓGICO NACIONAL DE MÉXICO

INSTITUTO TECNOLÓGICO DE CANCÚN

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SISTEMAS COMPUTACIONALES

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7to SEMESTRE

TASK: INVESTIGATE AWS Y VPC

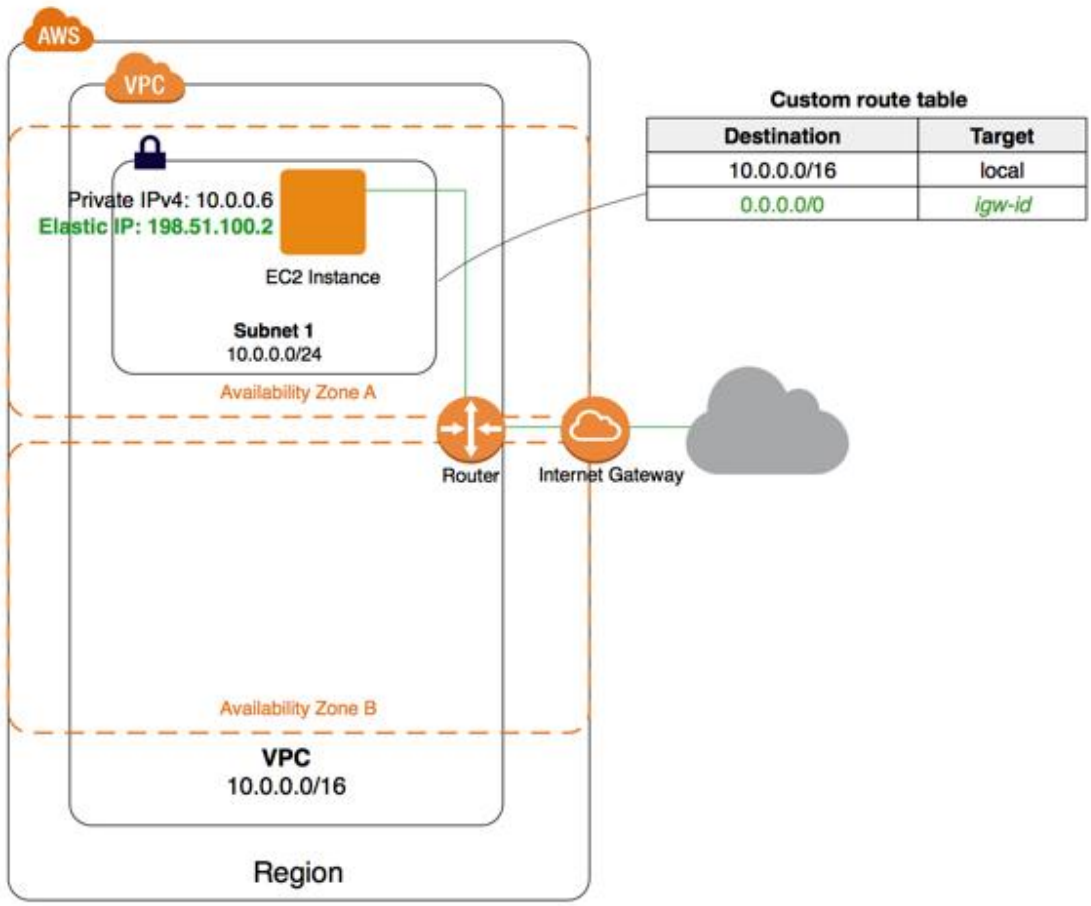
WILLIAM ADRIEN SARRAGOT PASTRANA

In this research on AWS PVC I learned some concepts that relate to the subject of telecommunications fundamentals, we will go on to explain that it is a PVC is a virtual nine that Amazon has privately that its location of it is in a cloud in a public way since they take advantage of the benefits that the user has to be able to visualize the network , because all this we are doing is consuming the resources of the public cloud and all this can be done in a very easy way if you want to change something in a way that can be seen by the VPC. Amazon has its own private virtual nine, which was named Amazon VPC, which is its role is to allow AWS memories in a virtual network that the person defines. This virtual machine has its own benefits because it uses its own data that it has to build a scalable AWS infrastructure. All of this helps us control all aspects of virtual networks in which you have to include your own ip addresses. The Amazon Virtual Prívate Cloud can help us create a hardware-shaped virtual private network (VPN) connection between your data company's hub and your VPC is an AWS cloud as an extension that is done using data from a corporate. Some example of this could be with Internet access and placing backend systems, such as databases or application servers, in a privately used subnet without Internet access. Amazon still has some very important Amazon VPC components that are as follows: Private Virtual Cloud: A logically isolated virtual network in the AWS Cloud. You define an IP address space in a VPC from the selected ranges. Subnet: A segment of the IP address range of a VPC where isolated resource groups can be placed. Internet Gateway: The Amazon VPC endpoint of a public Internet connection. NAT Gateway: A managed, highly available Network Address Translation (NAT) service so that resources you have in a private subnet access the Internet. Virtual private gateway: The Amazon VPC endpoint of a VPN connection. Interconnections: This type of connection allows you to route traffic over private IP addresses between two interconnected VPCs. VPC endpoints—Establish private connectivity to AWS-hosted services, from within your VPC without using an Internet Gateway, network address translation (NAT) devices, or firewall extensions.

AWS Direct Connect

It is a solution of a cloud service that aims to establish an exclusive network connection between the environment whether it is local or AWS. The AWS can reestablish a connectivity of a private connection in which the data center, is an office or environment that is located which this helps us to reduce the costs that at that time were very expensive, this benefits us a lot because the band arc can supply it to have the best experience with the network more stable than the connections that are based on the internet. Thanks to the use that is given to this industry standard network VLAN 802.1q, you can establish an exclusive connection which can benefit several virtual interfaces since in one you can use the same connection to obtain public resources, for example: Stored objects In Amazon s3, since it uses public IP addresses and some private resources, for example EC2 instances, all this runs in the private cloud that Amazon has virtual private iCloud (VPC). All this is using the space of the private IP so that the network

is separated between public and private environments. These would be some tools that Amazon web services offers.



Trabajos citados

Amazon. (29 de febrero de 2018). *Amazon*. Obtenido de Amazon: https://docs.aws.amazon.com/es_es/vpc/latest/userguide/what-is-amazon-vpc.html