**How Amazon Virtual Private Cloud (VPC) helps in creating networking environment on AWS Cloud?**

1. What is a Virtual Private Cloud (VPC)?

* Virtual Private Cloud is a private computing power dedicated to a user, which can be a person or a whole enterprise.
* It functions like a data center, but it brings much more benefits to the customer
* A good example to virtual private cloud is like a reserved room in a big conference building. People who rent that room can do anything they want in the room with being noticed or interfered by the people outside.

1. The benefits of using VPC

* Cost
  + A VPC is like a private cloud or data center. However, it’s virtual, which means it’s controlled and managed by another Company, in this article, it’s Amazon.
  + If the company wants a private cloud for themselves, they have two options: build their own machine and install their own hardware, which is very expensive, or they can ask Amazon to provide them everything they need with a cheaper price.
* Saving more space
  + As AWS provides VPC to customers through the internet, companies don’t have to worry about space needed to place the hardware
* Security: AWS provides top security to make sure the customer’s data don’t get interfered.
* Scalability: As the customers just need to pay for the amount of resource they use, they just need to pay more to get more resource at ease without thinking about installation

1. VPC role in creating a network environment on AWS

* With the advantages of using VPC and being a popular brand. AWS is used by 80% of the Fortune 500 companies
* Every company can have one or more VPC and they can all connect, communicate with each other which create a huge network environment in the world

1. Reference

* <https://www.ringcentral.co.uk/gb/en/blog/definitions/virtual-private-cloud/>
* <https://www.youtube.com/watch?v=r4YIdn2eTm4>