Virtual Network

Imagine 2 devops engineer in nike and puma. Both of them request VM in east US region availability zone 1 and the request goes to data centre

Nike gets VM in availability zone 1 and puma as well this is a big problem because of anyone’s VM is compromised then other one is at risk too

What VNET does?

Imagine a region of US east which has 3 availability zones. With respect to the request it creates a VNET over the availability zone. And this zone is dedicated to nike and similar for puma.

For one organisation there can n number of VNET.

Suppose a project needs to be live and a VNET is needed, the size of VNET is defined by CIDR

Once a VNET is created, how to use it?

Categorise the VNET into subnet and apply security. Security with perspective of nobody can SSH it.

For easy onboarding azure and AWS give the subnet and VNET by default

NSG is adding security to the subnet

How to configure NSG – if a web application with IP address wants to access the DB, NSG can give the access freely.

With ASG, if there are multiple application in a subnet that wants to access DB in a different subnet. ASG allows to group those applications which can access the DB