**VNet (Virtual Network)**: A VNet in Azure is like having your own private area of the cloud. It lets your resources, like virtual machines (VMs), talk to each other securely, connect to the internet, and link up with your office network.

**Network Security Group (NSG)**: Think of an NSG as a gatekeeper for your virtual network. It decides what data gets in and out based on rules you set, helping to keep your network safe.

**Azure Bastion(Jump Box**): Azure Bastion gives you a secure way to access your virtual machines without exposing them to the public internet. You can connect directly through the Azure portal without any extra risk.

**ExpressRoute**: ExpressRoute is like a fast, private highway between your on-premises network and Azure. It skips the public internet, giving you better speed, security, and reliability.

**Distributed Denial of Service (DDoS)**: A DDoS attack is when hackers flood a website or service with so much traffic that it crashes, like a huge crowd blocking the door to a store. The goal is to stop normal users from accessing the service.

****Distributed Denial of Service**(DDoS) Protection in Azure**: Azure’s DDoS Protection shields your applications from attacks designed to overwhelm them with traffic. It automatically detects and reduces these threats, keeping your services running smoothly.