# 3. Azure Resource Manager, Subscriptions, NSG, and PowerShell

Azure Resource Manager

ARM is a management service provided by the Microsoft Azure which let users to deploy, manage and organize the cloud resources in an Azure subscription.

- It allows users to deploy and manage resources as groups which is known as **Azure Resource Group.**
- It lets users to manage the resources in a more structured and efficient manner.
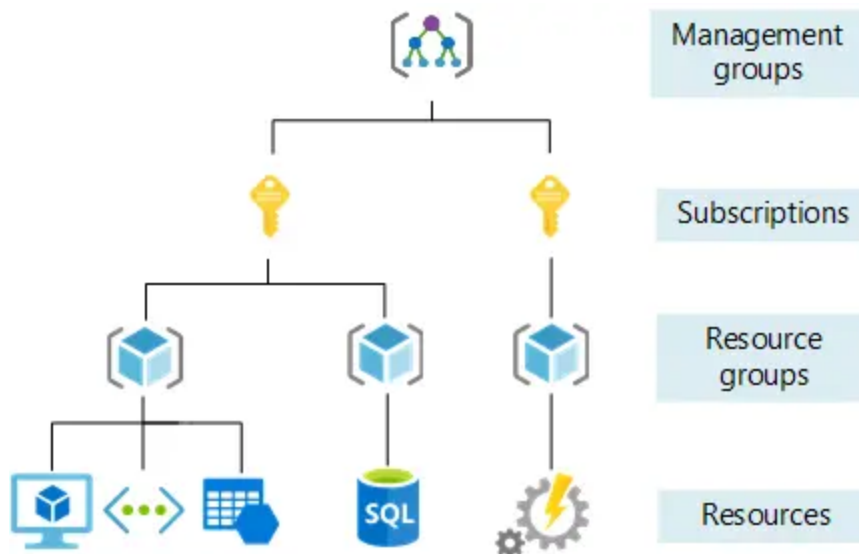
Subscription

- Subscription acts as an service plan provided by the Microsoft Azure which let users to access and consume Azure resources and services.
- It acts as a billing boundary in the azure account.
- It provides all the billing details for an azure account.
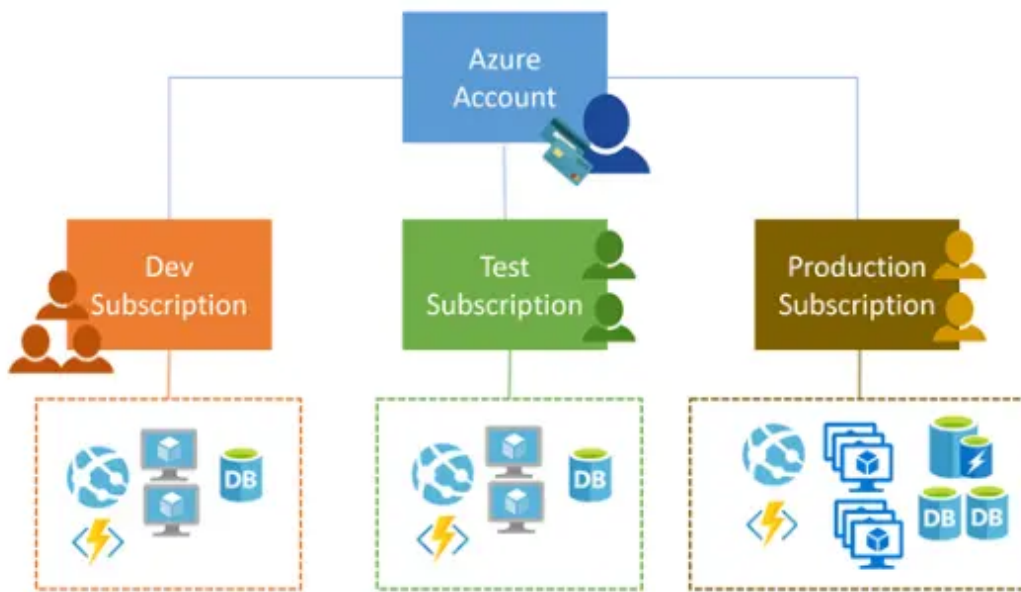
There are different types of Subscriptions:

- ☐ **Free:** Microsoft Azure provides $200 to users for exploring and learning purpose for 30 days after creating the account.

- ☐ **Pay as You go:** It is a flexible payment method in azure where user needs to pay for only the resources they have used and for the time being they have used.

- ☐ **Enterprise:** It is generally designed for business and large organizations to meet their requirements. It provides features like discounted pricing and enhanced support system.

- ☐ **Student:** Microsoft azure provides a special subscription for students specifically for learning purpose .They provide 100$ for 12 months and with other free services. It doesn't require a credit card and you need to verify it using the college or school email.

What is Resource Group?
Ans. It acts as a logical container that holds related Azure resources for a project. It provides the users a way to manage and organize resources within the azure cloud.