# Azure Fundamentals

The Azure Fundamentals exam covers three topics:

* Describe Cloud Concepts
* Describe Azure Architecture and Services
* Describe Management and Governance

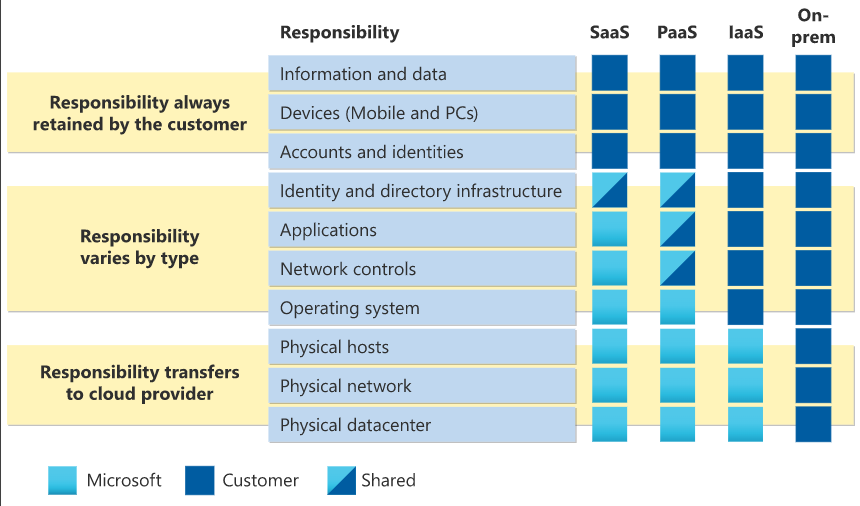
# 1. Azure Cloud Computing

Cloud computing allows you to have your services in the Cloud data center instead of in a physical location. This way, you can easily adjust the resources you need and delegate maintenance to the Cloud provider.

Services: Computer Power (CPU, RAM), Virtual Machines, Storage, Databases, Networking, Internet of Things (IoT) and Machine Learning (ML).

## 1.1. Shared Responsibility Model

When you have an on-premises datacenter you are responsible for everything. On the contrary, when you use Cloud computing you can decide how much responsibility you want to delegate to the Cloud provider. This depends on the types of service you select: Infrastructure as a Service(IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS).



Is important to clarify that sometimes the responsibility depends on the situation. For example, if you user a cloud SQL database, the cloud provider is responsible for maintaining the database. However, if you deployed a virtual machine and installed an SQL database on it, you’d be responsible for database patches and updates.