3- Types of Cloud Services

- [IaaS](#)
- [PaaS](#)
- [SaaS](#)
- [You'll always be responsible for:](#)
- [The cloud provider is always responsible for:](#)

1. Infrastructure as a Service
2. Software as a Service
3. Platform as a Service

IaaS

- IaaS places the most responsibility on the consumer.
- the cloud provider being responsible for the basics of
  - physical security,
  - power, and
  - connectivity.

PaaS

- PaaS, being a middle ground between IaaS and SaaS, rests somewhere in the middle and
- evenly distributes responsibility between the cloud provider and the consumer.

SaaS

- most of the responsibility with the cloud provider.

Responsibility	SaaS	PaaS	IaaS	On-prem
Responsibility always retained by the customer				
Information and data	Customer	Customer	Customer	Customer
Devices (Mobile and PCs)	Customer	Customer	Customer	Customer
Accounts and identities	Customer	Customer	Customer	Customer
Responsibility varies by type				
Identity and directory infrastructure	Shared	Shared	Customer	Customer
Applications	Microsoft	Shared	Customer	Customer
Network controls	Microsoft	Shared	Customer	Customer
Operating system	Microsoft	Microsoft	Customer	Customer
Responsibility transfers to cloud provider				
Physical hosts	Microsoft	Microsoft	Microsoft	Customer
Physical network	Microsoft	Microsoft	Microsoft	Customer
Physical datacenter	Microsoft	Microsoft	Microsoft	Customer

Legend: ■ Microsoft　■ Customer　■ Shared

You'll always be responsible for:

- The information and data stored in the cloud
- Devices that are allowed to connect to your cloud (cell phones, computers, and so on)
- The accounts and identities of the people, services, and devices within your organization

The cloud provider is always responsible for:

- The physical datacenter
- The physical network
- The physical hosts