1- What is Cloud Computing

After completing this module, you'll be able to:

- Define cloud computing.

- Describe the shared responsibility model.

- Define cloud models, including public, private, and hybrid.

- Identify appropriate use cases for each cloud model.

- Describe the consumption-based model.

- Compare cloud pricing models.

Cloud Computing is the delivery of *computing services* over the Internet.

Services like

- VM

- storage

- DB

- networking

Cloud Computing also expands the *services of traditional IT* offerings like

- IOT

- ML

- AI

Advantage of CC

cloud computing uses the internet to deliver these services, it doesn't have to be constrained by physical infrastructure the same way that a traditional datacenter is. That means if you need to increase your IT infrastructure rapidly, you don't have to wait to build a new datacenter—you can use the cloud to rapidly expand your IT footprint.