

Module ①

Client - Server Model

Client → web browser or application that a person interacts with to make requests to computer servers.

Server → can be services such as Amazon Elastic compute cloud (EC2), type of virtual server.

Example :

A client makes a request to know the game score, weather status etc...

The server evaluates the request and fulfills it by returning the info to the client.

Cloud - Computing

⇒ Pay-as-you-go model.

⇒ On-demand model.

① Cloud based deployments

→ Run all parts of the application in the cloud.

→ Migrate existing application to the cloud.

→ Design and build new applications in the cloud.

Build application on

Low level Infrastructure → requires IT staff to manage them

High level infrastructure → reduce the management, architecting and scaling requirements of the core infrastructure.

② On premise deployment

→ On premise deployment also known as private cloud deployment.

→ In this model resources are deployed on premises by using virtualization & resources management tool.

Example :

You might have application that runs on technology fully kept in your on-premise data center.

③ Hybrid deployment

- ⇒ connect cloud-based resources to on-premise infrastructure.
- ⇒ Integrate cloud based resources with legacy IT application.

Example:

④ Your company wants to use cloud services that can automate batch data processing and analytics.

⑤ However, the company has several legacy applications that are more suitable on-premises and will not be migrated to the cloud.

⇓

WITH HYBRID DEPLOYMENT

the company would be able to keep the legacy app on-premises, while benefitting data + analytics services that run in cloud.