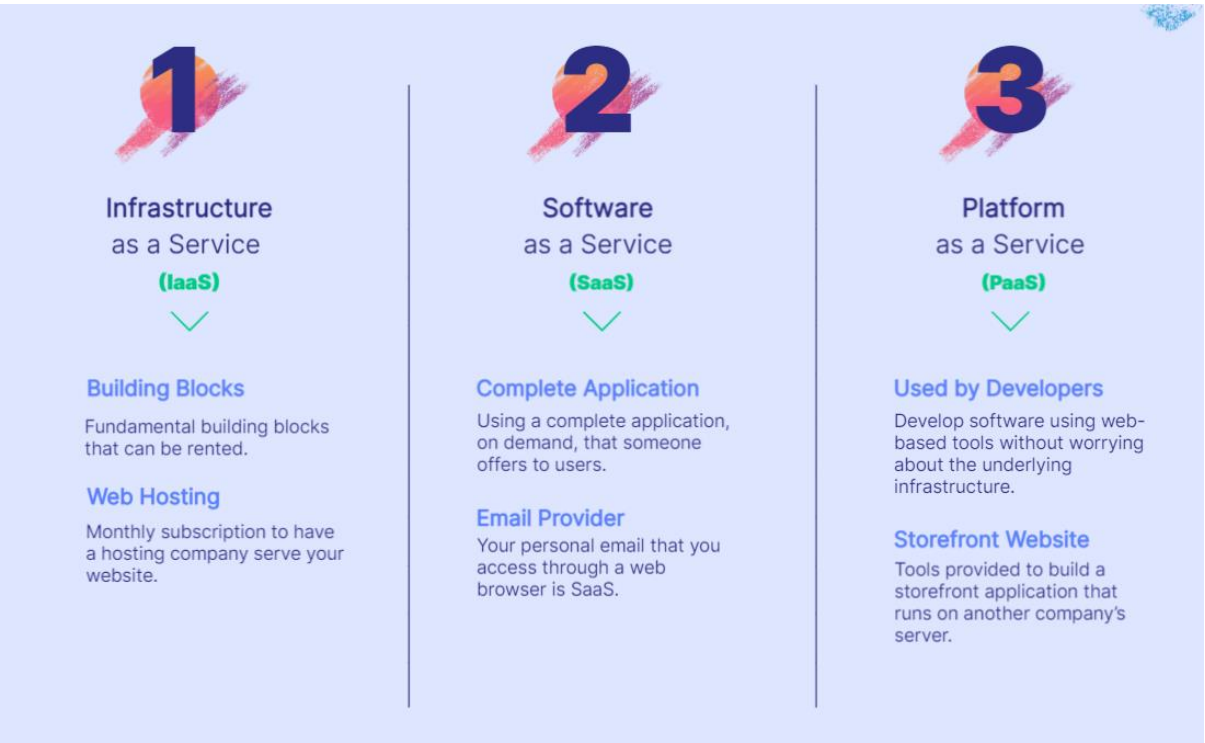
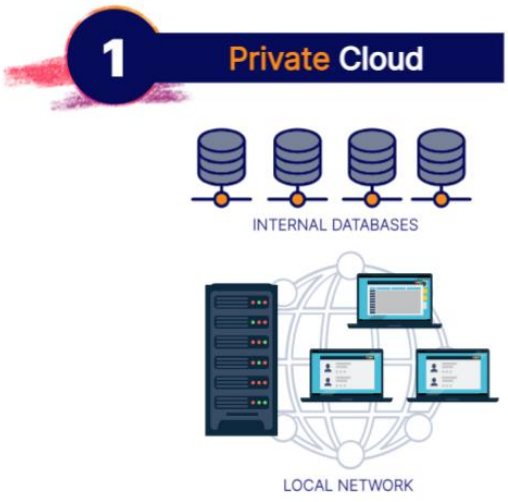
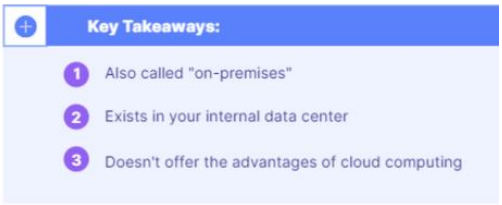
Reviewing Cloud Computing and Deployment Models:

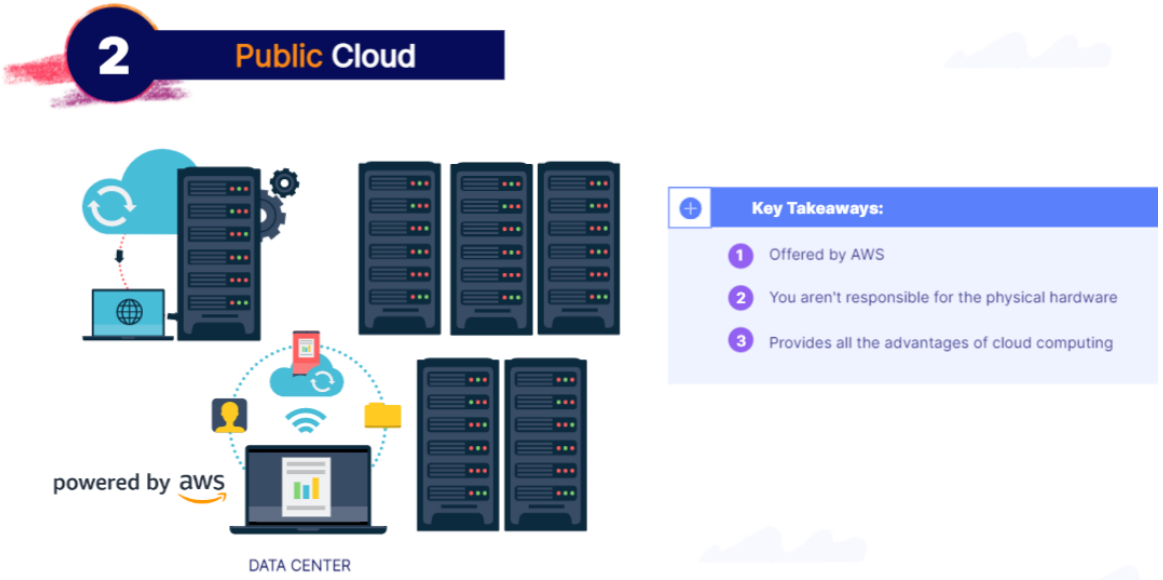
Cloud Computing Models:

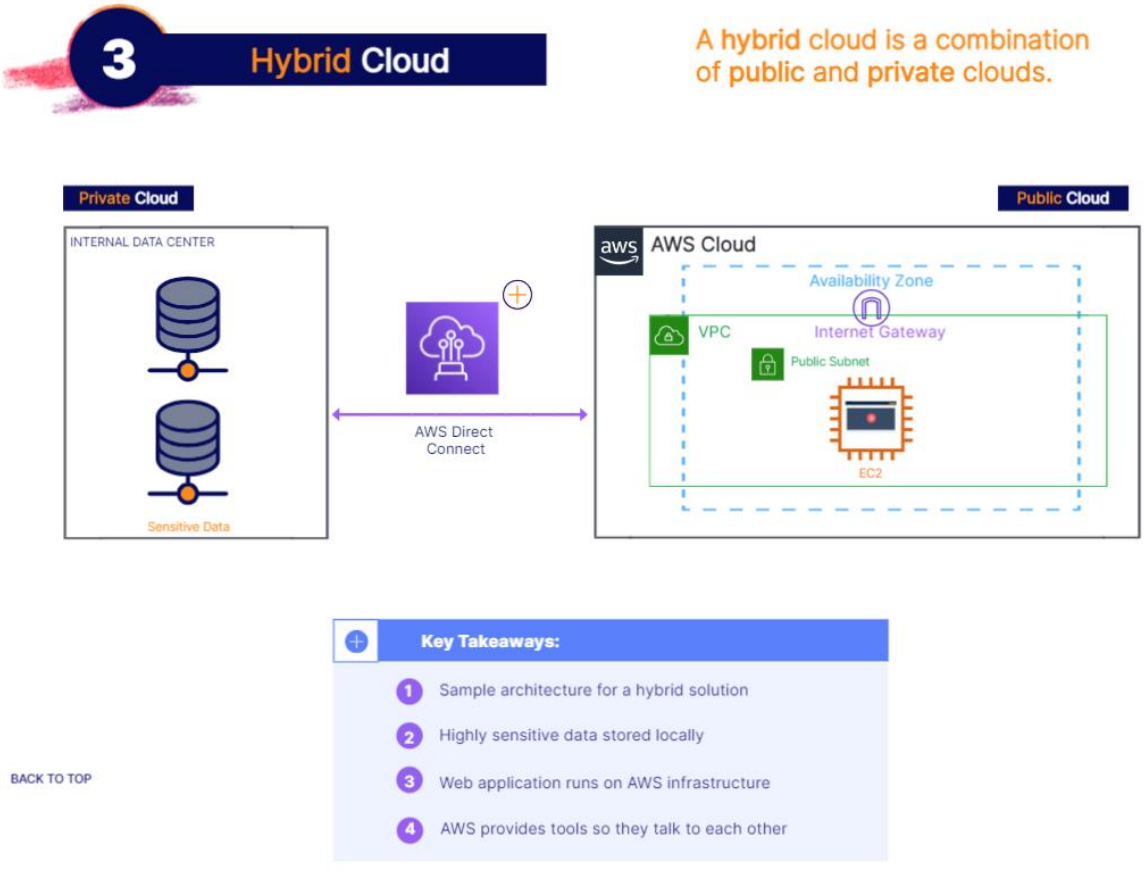


Cloud Deployment Models:









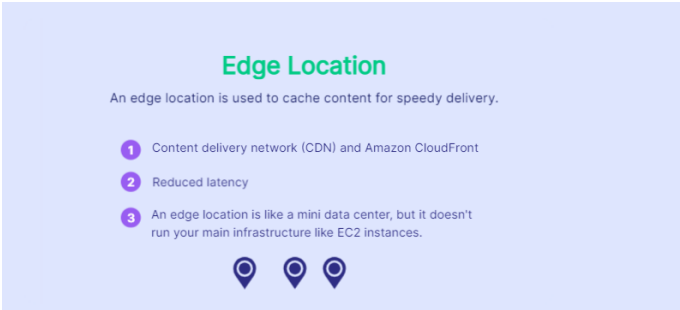
BACK TO TOP

Leveraging the AWS Global Infrastructure:

1. Regions:
   - A Region is a physical location.
   - AWS logically groups its Regions into geographic locations.

2. Availability zones:
   - Availability Zones (AZs) consist of one or more physically separated data centers, each with redundant power, networking, and connectivity, housed in separate facilities.

3. Edge locations:
   - Edge locations cache content for fast delivery to your users.
   - Latency: Latency is the time that passes between a user request and the resulting response.



- **Multi-AZ deployments provide high availability.**
  Systems that are highly available are dependable enough to operate continuously without failure.

- **A Region is global and has 2 or more AZs.**
  Regions are geographically isolated locations around the globe.

- **An AZ has multiple data centers.**
  You can think of an AZ as a collection of data centers.

- **Edge locations ensure low latency by placing content closer to users.**
  There are more edge locations than Regions and AZs.