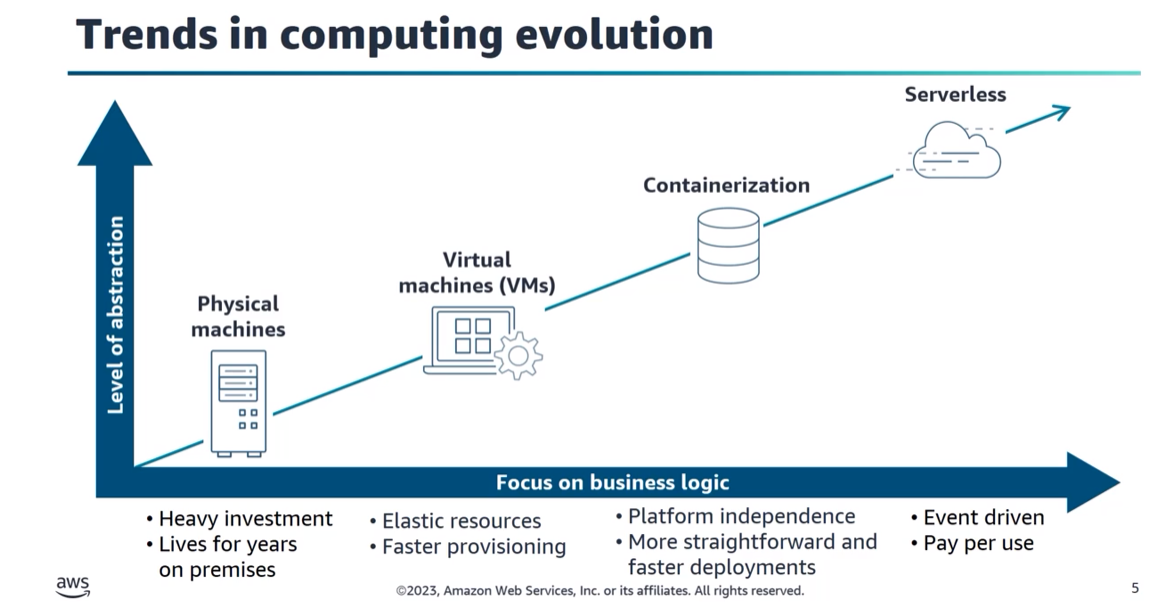
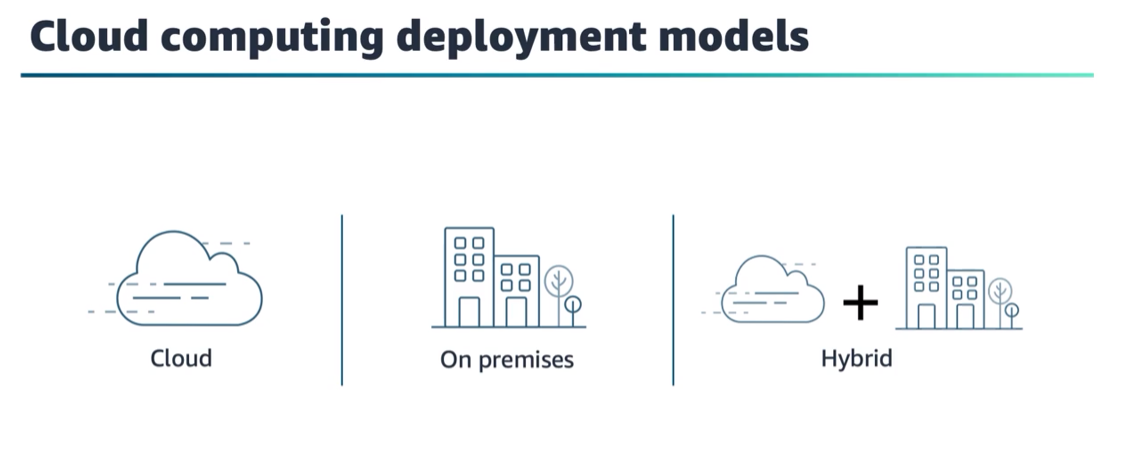
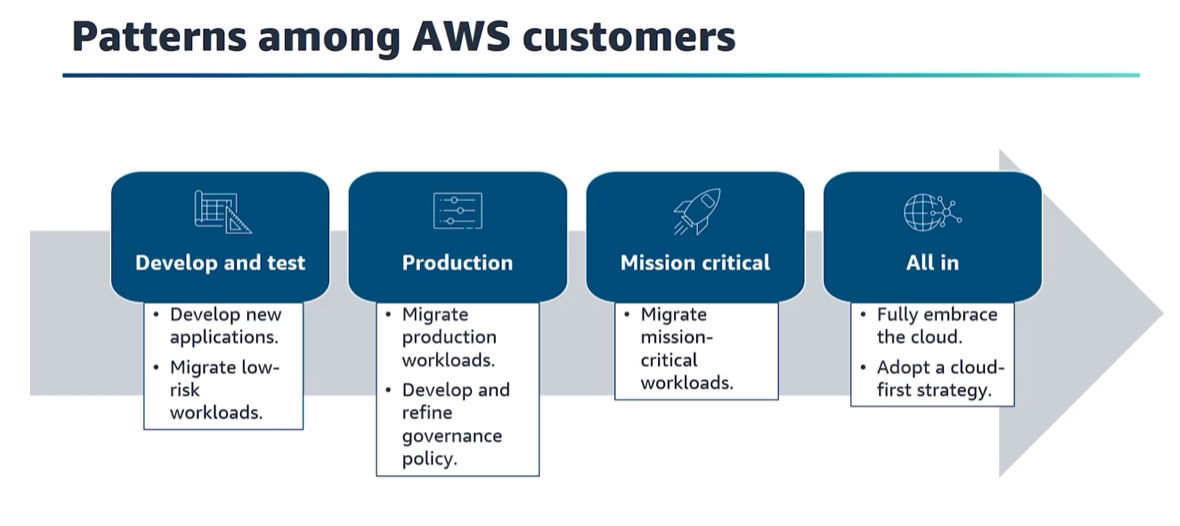
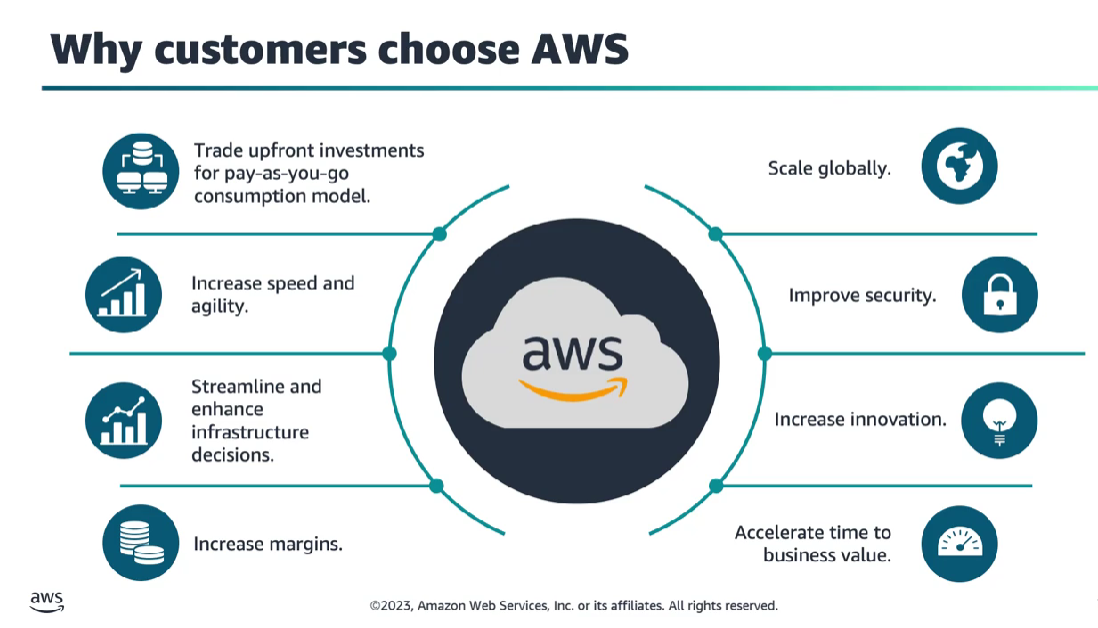
# **AWS Certified Cloud Practitioner**

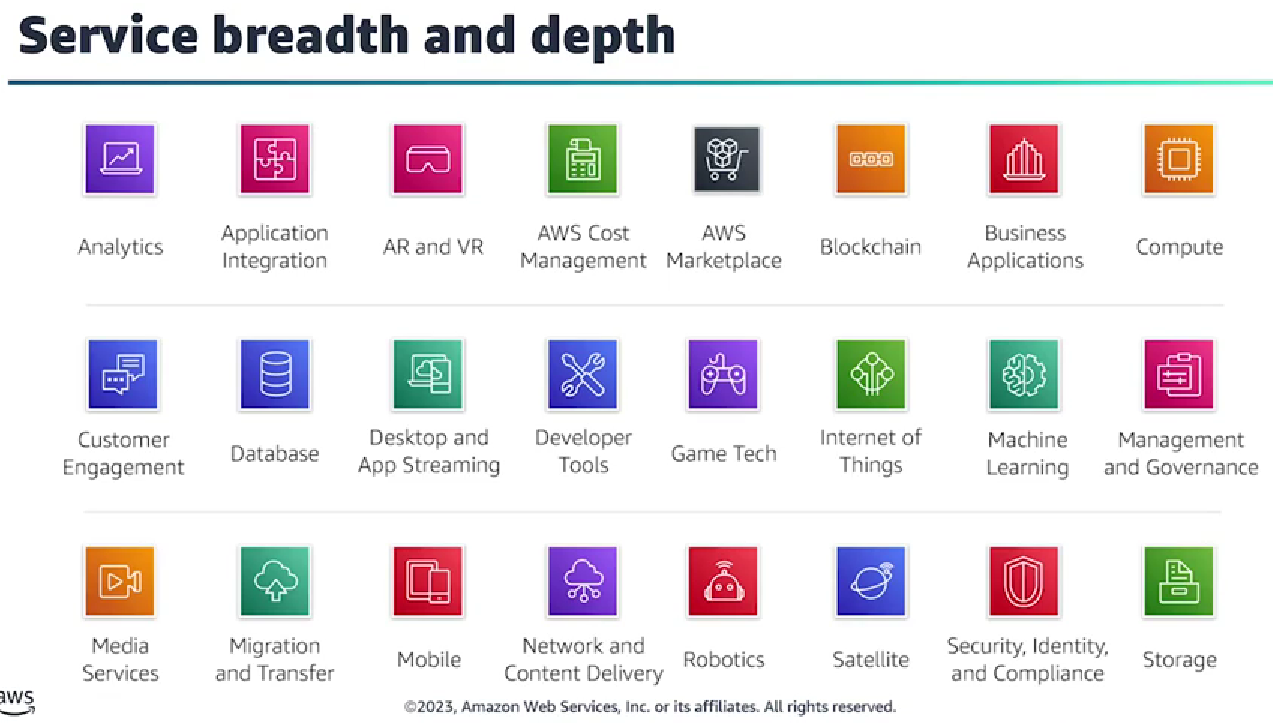
* **What is Cloud Computing:** It is the on-demand delivery of IT resources over the internet with pay-as-you-go pricing. The cloud includes services beyond the infrastructure.

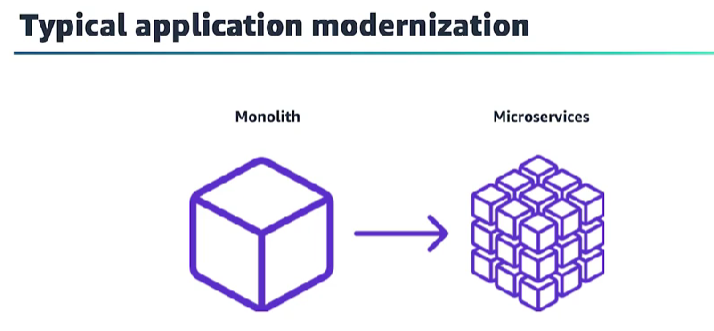
****

****

****

****

****

****

* Customers are going through a major shift—an architecture evolution. They are moving from one, monolithic application to smaller and independent microservices. **Microservices** are minimal-function services that are deployed separately but can interact together to achieve a broader use case. These applications then become more straightforward to build and maintain because they are smaller and more manageable.
* **Some limitations to monolith applications include the following:**
* **Are hard to scale**
* **Cannot handle component failures**
* **Have a slow deployment process**
* **Have limited options**

AWS offers a complete platform for microservices. It provides the building blocks to support the development of microservices with compute, storage, database, networking, messaging, logging and monitoring, and DevOps services.

# **AWS the Most Complete Platform for Microservices**

1. **Compute:**

### **Containers**

Amazon Elastic Container Service (EC2)

### **Serverless**

AWS Lambda

1. **Storage & Databases:**

### **Object Storage**

Amazon S3

### **Caching**

Amazon ElastiCache

### **Relational Databases**

Amazon RDS

### **NoSQL Databases**

Amazon DynamoDB

**And many more….**