

# module 1 test

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## **Module 1 Intro**

### ▼ What type of services does AWS provide?

1. Compute
2. Storage
3. Network Security Tools
4. Blockchain
5. ML
6. AI
7. Robot Dev Platforms
8. Specialized Tool Sets
  - a. Video Prod
  - b. Orbital Satellites

### ▼ What is EC2?

Elastic Compute Cloud (virtual server) that clients can make requests to

### ▼ When a client makes a request, what does the server do?

It validates the request and then performs the task

### ▼ What is the pay-as-you-go model?

You only pay for what you use. So you are only charged when the compute instance does things.

### ▼ What is the advantage of the pay-as-you-go model?

You don't have to prepay for anything and there are no capacity constraints. When you need instances, just click.

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## **Module 1 Part 2**

▼ What is Cloud?

On demand delivery of IT resources over the internet with pay as you go pricing

▼ What is on demand delivery?

It indicates that AWS has the resources you need whenever you need them (no planning required - launch whenever you want)

▼ What's the advantage of on demand delivery?

Flexibility

▼ What is undifferentiated heavy lifting of IT?

Tasks that are common and repetitive - just because you set it up yourself doesn't make you better. It's a waste of time. Focus on what makes you unique.

▼ Why over the internet?

Involves more security

▼ What are the three cloud computing deployment models?

Cloud based, on prem, hybrid

▼ What are the three key descriptions of cloud based deployments?

1. It runs all parts of the application in the cloud
2. It migrates existing applications to the cloud
3. It designs and builds new applications in the cloud

▼ What are the two key descriptions of on premises deployments?

1. It deploys resources by using virtualization and resource management tools
2. It increases resource utilization by using application management and virtualization technology

▼ What are the two key descriptions of hybrid deployments?

1. It connects cloud based resources to on prem infrastructure
2. It integrates cloud based resources with legacy IT applications

▼ What are the six benefits from these deployment models?

1. Trade upfront expenses for variable expenses
  2. Stop spending to maintain infra
  3. Stop guessing capacity
  4. Benefit from massive economies of scale
  5. Incr speed and agility
  6. Go global in minutes
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What is cloud computing?

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- ☐ Backing up files that are stored on desktop and mobile devices to prevent data loss
- ☐ Deploying applications connected to on-premises infrastructure
- ☐ Running code without needing to manage or provision servers
- ☒ On-demand delivery of IT resources and applications through the internet with pay-as-you-go pricing

What is another name for on-premises deployment?

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- ☒ Private cloud deployment
- ☐ Cloud-based application
- ☐ Hybrid deployment
- ☐ AWS Cloud

How does the scale of cloud computing help you to save costs?

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- ☐ You do not have to invest in technology resources before using them.
  - ☒ The aggregated cloud usage from a large number of customers results in lower pay-as-you-go prices.
  - ☐ Accessing services on-demand helps to prevent excess or limited capacity.
  - ☐ You can quickly deploy applications to customers and provide them with low latency.
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