

module 3 test

Module 3 Intro

▼ How are regions connected in AWS?

They are connected to each other through high speed fiber networks controlled by AWS.

▼ Can data be moved in and out of your env?

No, unless u gave it permission.

▼ What is regional data sovereignty?

Stating that data needs permission to be moved from region to region.

▼ What are the four business factors to consider before choosing a region?

1. compliance - does ur data have to live in a certain place
2. proximity - how close are you to ur customer base
3. feature availability - closest region may not have all the AWS features you need
4. pricing - some locations are more expensive to operate in

▼ What is a data center?

An availability zone

▼ When you launch an amazon EC2 instance, what does it do?

It launches a virtual machine on a physical hardware that is installed in an availability zone.

▼ Regional services are...

by definition already highly available at no additional cost of effort on your part

Which statement best describes an Availability Zone?

- ☐ A geographical area that contains AWS resources
- ☒ A single data center or group of data centers within a Region
- ☐ A data center that an AWS service uses to perform service-specific operations
- ☐ A service that you can use to run AWS infrastructure within your own on-premises data center in a hybrid approach

Module 3 Part 1

▼ What is a CDN?

Content Delivery Networks

▼ What is CloudFront?

delivers data, video, apps, and APIs to customers around the world with low latency and high transfer speeds - use edge locations all around the world to help accelerate communication with users, no matter where they are.

▼ What are edge locations?

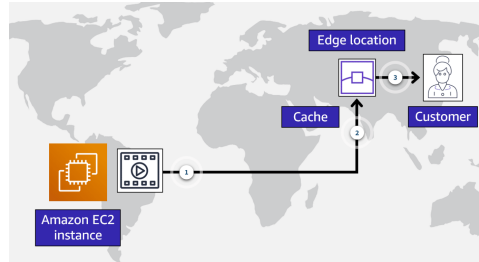
Separate from regions so u can push content from inside a region to a collection of edge locations around the world. They have low latency.

▼ What are AWS Outposts?

This is where AWS can fully install an operational mini region inside ur own data center. isolated within ur own building.

▼ Why do we have AWS Outposts?

If as a biz, you want to use AWS services inside your own building



Module 3 Part 2

▼ What is AWS management console?

a browser based service used to manage your AWS resources visually and in a way that is easy to digest.

▼ What is AWS CLI?

It's like AWS management console but it's useful in prod envs cause it's less susceptible to human error

▼ What is an alternative for mgmt console and CLI?

AWS SDKs

▼ What is CloudFormation?

A way to automate using JSON or YAML text based documents.

Infrastructure as code tool.

It'll parse through the templates you provided and begin provisioning all the resources you defined in parallel.

▼ What is Elastic Beanstalk?

It's a way to insert code and desired configs so they can be easily deployed (automation)

- adjust capacity
- load balancing
- automatic scaling
- application health monitoring

Which statement is TRUE for the AWS global infrastructure?

- ☐ A Region consists of a single Availability Zone.
- ☐ An Availability Zone consists of two or more Regions.
- ☒ A Region consists of three or more Availability Zones.
- ☐ An Availability Zone consists of a single Region.

Which factors should be considered when selecting a Region?
(Select TWO.)

- ☒ Compliance with data governance and legal requirements
- ☒ Proximity to your customers
- ☐ Access to 24/7 technical support
- ☐ Ability to assign custom permissions to different users
- ☐ Access to the AWS Command Line Interface (AWS CLI)

Which statement best describes Amazon CloudFront?

- ☐ A service that enables you to run infrastructure in a hybrid cloud approach
- ☐ A serverless compute engine for containers
- ☐ A service that enables you to send and receive messages between software components through a queue
- ☒ A global content delivery service

Which site does Amazon CloudFront use to cache copies of content for faster delivery to users at any location?

- ☐ Region
- ☐ Availability Zone
- ☒ Edge location
- ☐ Origin

Which action can you perform with AWS Outposts?

- ☐ Automate actions for AWS services and applications through scripts.
- ☐ Access wizards and automated workflows to perform tasks in AWS services.
- ☐ Develop AWS applications in supported programming languages.
- ☒ Extend AWS infrastructure and services to different locations including your on-premises data center.