Question #7Topic 1

Which duties are the responsibility of a company that is using AWS Lambda? (Choose two.)

**A. Security inside of code**

B. Selection of CPU resources

C. Patching of operating system

**D. Writing and updating of code**

E. Security of underlying infrastructure

Question #8Topic 1

Which AWS services or features provide disaster recovery solutions for Amazon EC2 instances? (Choose two.)

A. ׀•׀¡2 Reserved Instances

**B. EC2 Amazon Machine Images (AMIs)**

**C. Amazon Elastic Block Store (Amazon EBS) snapshots**

D. AWS Shield

E. Amazon GuardDuty

Question #12Topic 1

A company wants to migrate a critical application to AWS. The application has a short runtime. The application is invoked by changes in data or by shifts in system state. The company needs a compute solution that maximizes operational efficiency and minimizes the cost of running the application.

Which AWS solution should the company use to meet these requirements?

A. Amazon EC2 On-Demand Instances

**B. AWS Lambda**

C. Amazon EC2 Reserved Instances

D. Amazon EC2 Spot Instances

Question #15Topic 1

A company is launching an ecommerce application that must always be available. The application will run on Amazon EC2 instances continuously for the next

12 months.

What is the MOST cost-effective instance purchasing option that meets these requirements?

A. Spot Instances

**B. Savings Plans**

C. Dedicated Hosts

D. On-Demand Instances

Question #26Topic 1

What are some advantages of using Amazon EC2 instances to host applications in the AWS Cloud instead of on premises? (Choose two.)

A. EC2 includes operating system patch management.

B. EC2 integrates with Amazon VPC, AWS CloudTrail, and AWS Identity and Access Management (IAM).

C. EC2 has a 100% service level agreement (SLA).

**D. EC2 has a flexible, pay-as-you-go pricing model.**

**E. EC2 has automatic storage cost optimization.**

Question #31Topic 1

A company has a single Amazon EC2 instance. The company wants to adopt a highly available architecture.

What can the company do to meet this requirement?

A. Scale vertically to a larger EC2 instance size.

**B. Scale horizontally across multiple Availability Zones.**

C. Purchase an EC2 Dedicated Instance.

D. Change the EC2 instance family to a compute optimized instance.

Question #39Topic 1

A company has a database server that is always running. The company hosts the server on Amazon EC2 instances. The instance sizes are suitable for the workload. The workload will run for 1 year.

Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

**A. Standard Reserved Instances**

B. On-Demand Instances

C. Spot Instances

D. Convertible Reserved Instances

Question #69Topic 1

A company needs to install an application in a Docker container.

Which AWS service eliminates the need to provision and manage the container hosts?

**A. AWS Fargate**

B. Amazon FSx for Windows File Server

C. Amazon Elastic Container Service (Amazon ECS)

D. Amazon EC2

Question #79Topic 1

Which of the following are benefits of Amazon EC2 Auto Scaling? (Choose two.)

**A. Improved health and availability of applications**

B. Reduced network latency

**C. Optimized performance and costs**

D. Automated snapshots of data

E. Cross-Region Replication

Question #83Topic 1

Which AWS service supports a hybrid architecture that gives users the ability to extend AWS infrastructure, AWS services, APIs, and tools to data centers, co- location environments, or on-premises facilities?

A. AWS Snowmobile

B. AWS Local Zones

**C. AWS Outposts**

D. AWS Fargate

Question #88Topic 1

A company wants to ensure that two Amazon EC2 instances are in separate data centers with minimal communication latency between the data centers.

How can the company meet this requirement?

A. Place the EC2 instances in two separate AWS Regions connected with a VPC peering connection.

B. Place the EC2 instances in two separate Availability Zones within the same AWS Region.

C. Place one EC2 instance on premises and the other in an AWS Region. Then connect them by using an AWS VPN connection.

**D. Place both EC2 instances in a placement group for dedicated bandwidth.**

Question #93Topic 1

A company is operating several factories where it builds products. The company needs the ability to process data, store data, and run applications with local system interdependencies that require low latency.

Which AWS service should the company use to meet these requirements?

A. AWS IoT Greengrass

B. AWS Lambda

**C. AWS Outposts**

D. AWS Snowball Edge

Question #97Topic 1

A company has a workload that will run continuously for 1 year. The workload cannot tolerate service interruptions.

Which Amazon EC2 purchasing option will be MOST cost-effective?

A. **All Upfront Reserved Instances**

B. Partial Upfront Reserved Instances

C. Dedicated Instances

D. On-Demand Instances

Question #114Topic 1

A company launched an Amazon EC2 instance with the latest Amazon Linux 2 Amazon Machine Image (AMI).

Which actions can a system administrator take to connect to the EC2 instance? (Choose two.)

**A. Use Amazon EC2 Instance Connect.**

B. Use a Remote Desktop Protocol (RDP) connection.

C. Use AWS Batch

**D. Use AWS Systems Manager Session Manager.**

E. Use Amazon Connect

Question #144Topic 1

A company wants to deploy some of its resources in the AWS Cloud. To meet regulatory requirements, the data must remain local and on premises. There must be low latency between AWS and the company resources.

Which AWS service or feature can be used to meet these requirements?

A. AWS Local Zones

B. Availability Zones

**C. AWS Outposts**

D. AWS Wavelength Zones

Question #151Topic 1

A company would like to host its MySQL databases on AWS and maintain full control over the operating system, database installation, and configuration.

Which AWS service should the company use to host the databases?

A. Amazon RDS

**B. Amazon EC2**

C. Amazon DynamoDB

D. Amazon Aurora

Question #153Topic 1

A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2 instances.

Which benefit of the AWS Cloud does this example illustrate?

A. High availability

**B. Elasticity**

C. Reliability

D. Global reach

Question #157Topic 1

A company wants to migrate a small website and database quickly from on-premises infrastructure to the AWS Cloud. The company has limited operational knowledge to perform the migration.

Which AWS service supports this use case?

A. Amazon EC2

**B. Amazon Lightsail**

C. Amazon S3

D. AWS Lambda

Question #170Topic 1

A company needs an Amazon EC2 instance for a rightsized database server that must run constantly for 1 year.

Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

**A. Standard Reserved Instance**

B. Convertible Reserved Instance

C. On-Demand Instance

D. Spot Instance

Question #181Topic 1

Which AWS service can a company use to store and manage Docker images?

A. Amazon DynamoDB

B. Amazon Kinesis Data Streams

**C. Amazon Elastic Container Registry (Amazon ECR)**

D. Amazon Elastic File System (Amazon EFS)

Question #217Topic 1

A company owns per-core software licenses.

Which Amazon EC2 instance purchasing option must the company use for this license type?

A. Reserved Instances

B. Dedicated Hosts

C. Spot Instances

**D. Dedicated Instances**

Question #226Topic 1

Which AWS services are serverless? (Choose two.)

**A. AWS Fargate**

B. Amazon Managed Streaming for Apache Kafka

C. Amazon EMR

**D. Amazon S3**

E. Amazon EC2

Question #230Topic 1

A company wants the ability to quickly upload its applications to the AWS Cloud without needing to provision underlying resources.

Which AWS service will meet these requirements?

A. AWS CloudFormation

**B. AWS Elastic Beanstalk**

C. AWS CodeDeploy

D. AWS CodeCommit

Question #236Topic 1

A company needs to run an application on Amazon EC2 instances. The instances cannot be interrupted at any time. The company needs an instance purchasing option that requires no long-term commitment or upfront payment.

Which instance purchasing option will meet these requirements MOST cost-effectively?

**A. On-Demand Instances**

B. Spot Instances

C. Dedicated Hosts

D. Reserved Instances

Question #244Topic 1

Which of the following are characteristics of a serverless application that runs in the AWS Cloud? (Choose two.)

A. Users must manually configure Amazon EC2 instances.

B. Users have a choice of operating systems.

**C. The application has built-in fault tolerance.**

D. Users can run Amazon EC2 Spot Instances.

**E. The application can scale based on demand.**

Question #245Topic 1

A company has existing software licenses that it wants to bring to AWS, but the licensing model requires licensing physical cores.

How can the company meet this requirement in the AWS Cloud?

A. Launch an Amazon EC2 instance with default tenancy.

**B. Launch an Amazon EC2 instance on a Dedicated Host.**

C. Create an On-Demand Capacity Reservation.

D. Purchase Dedicated Reserved Instances.

Question #251Topic 1

Which of the following are AWS compute services? (Choose two.)

**A. Amazon Lightsail**

B. AWS Systems Manager

C. AWS CloudFormation

**D. AWS Batch**

E. Amazon Inspector

Question #259Topic 1

A company needs steady and predictable performance from its Amazon EC2 instances at the lowest possible cost. The company also needs the ability to scale resources to ensure that it has the right resources available at the right time.

Which AWS service or resource will meet these requirements?

A. Amazon CloudWatch

B. Application Load Balancer

C. AWS Batch

**D. Amazon EC2 Auto Scaling**

Question #261Topic 1

A company wants a cost-effective option when running its applications in an Amazon EC2 instance for short time periods. The applications can be interrupted.

Which EC2 instance type will meet these requirements?

**A. Spot Instances**

B. On-Demand Instances

C. Reserved Instances

D. Dedicated Instances

Question #272Topic 1

A developer wants to deploy an application on a container-based service. The service must automatically provision and manage the backend instances. The service must provision only the necessary resources.

Which AWS service will meet these requirements?

A. Amazon EC2

B. Amazon Lightsail

C. Amazon Elastic Kubernetes Service (Amazon EKS)

**D. AWS Fargate**

Question #289Topic 1

A company needs to deploy applications in the AWS Cloud as quickly as possible. The company also needs to minimize the complexity that is related to the management of AWS resources.

Which AWS service should the company use to meet these requirements?

A. AWS Config

**B. AWS Elastic Beanstalk**

C. Amazon EC2

D. Amazon Personalize

Question #290Topic 1

A company has a set of databases that are stored on premises. The company wants to bring its existing Microsoft SQL Server licenses when the company moves the databases to run on Amazon EC2 instances.

Which EC2 instance purchasing option should the company use to meet these requirements?

A. Dedicated Instances

B. Reserved Instances

**C. Dedicated Hosts**

D. Spot Instances

Question #291Topic 1

Which of the following is a way to use Amazon EC2 Auto Scaling groups to scale capacity in the AWS Cloud?

**A. Scale the number of EC2 instances in or out automatically, based on demand.**

B. Use serverless EC2 instances.

C. Scale the size of EC2 instances up or down automatically, based on demand.

D. Transfer unused CPU resources between EC2 instances.

Question #131Topic 1

Under the AWS shared responsibility model, which task is the customer's responsibility when managing AWS Lambda functions?

**A. Creating versions of Lambda functions**

B. Maintaining server and operating systems

C. Scaling Lambda resources according to demand

D. Updating the Lambda runtime environment

Question #164Topic 1

Which responsibility belongs to AWS when a company hosts its databases on Amazon EC2 instances?

A. Database backups

B. Database software patches

C. Operating system patches

**D. Operating system installations.**

Question #10Topic 1

A user is comparing purchase options for an application that runs on Amazon EC2 and Amazon RDS. The application cannot sustain any interruption. The application experiences a predictable amount of usage, including some seasonal spikes that last only a few weeks at a time. It is not possible to modify the application.

Which purchase option meets these requirements MOST cost-effectively?

A. Review the AWS Marketplace and buy Partial Upfront Reserved Instances to cover the predicted and seasonal load.

B. Buy Reserved Instances for the predicted amount of usage throughout the year. Allow any seasonal usage to run on Spot Instances.

**C. Buy Reserved Instances for the predicted amount of usage throughout the year. Allow any seasonal usage to run at an On-Demand rate.**

D. Buy Reserved Instances to cover all potential usage that results from the seasonal usage.

Question #149Topic 1

After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

A. No upfront payment

B. Hourly on-demand payment

C. Partial upfront payment

**D. All upfront payment**