**MODULE 1**  
**1. What are the advantages of cloud computing over computing on-premises? (Select the best answer.)**

Avoid large capital purchases

Use on-demand capacity

Go global in minutes

Increase speed and agility

All of the above

**1. Ưu điểm của điện toán đám mây so với điện toán tại chỗ là gì? (Chọn câu trả lời đúng nhất.)**

Tránh mua vốn lớn

Sử dụng dung lượng theo yêu cầu

Vươn ra toàn cầu trong vài phút

Tăng tốc độ và sự nhanh nhẹn

Tất cả những điều trên

**2. What is the pricing model that enables AWS customers to pay for resources on an as- needed basis? (Select the best answer.)**

Pay as you decommission

Pay as you go

Pay as you buy

Pay as you reserve  
  
“With AWS, you pay for resources as you go.”

**2. Mô hình định giá nào cho phép khách hàng AWS thanh toán tài nguyên trên cơ sở khi cần thiết? (Chọn câu trả lời đúng nhất.)**

Thanh toán khi bạn ngừng hoạt động

Làm bao nhiêu trả bấy nhiêu

Thanh toán khi bạn mua

Thanh toán khi bạn đặt trước

Với AWS, bạn trả tiền cho tài nguyên khi sử dụng.

**3. Which of these is NOT a cloud computing model? (Select the best answer.)**

Platform as a service

Infrastructure as a service

System administration as a service

Software as a service  
  
System administration as a service is not a cloud computing model.  
  
**3. Mô hình nào KHÔNG phải là mô hình điện toán đám mây? (Chọn câu trả lời đúng nhất.)**

**Nền tảng như một dịch vụ**

Cơ sở hạ tầng như một dịch vụ

Quản trị hệ thống như một dịch vụ

Phần mềm như là một dịch vụ

Quản trị hệ thống như một dịch vụ không phải là mô hình điện toán đám mây.

**4. True or False? AWS owns and maintains the network-connected hardware required for application services, while you provision and use what you need.**

True

False

It's true that AWS owns and maintains the hardware, while you provision and use what you need.

**4. Đúng hay Sai? AWS sở hữu và duy trì phần cứng kết nối mạng cần thiết cho các dịch vụ ứng dụng trong khi bạn cung cấp và sử dụng những gì bạn cần.**

ĐÚNG VẬY

SAI

Đúng là AWS sở hữu và duy trì phần cứng trong khi bạn cung cấp và sử dụng những gì bạn cần.

**5. Which of these is NOT a benefit of cloud computing over on-premises computing? (Select the best answer.)**

Increase speed and agility

Pay for racking, stacking, and powering servers

Eliminate guessing on your infrastructure capacity needs

Trade capital expense for variable expense

Benefit from massive economies of scale

Paying for racking, stacking and powering servers is not a benefit of cloud computing over on-premises computing.

**6. Which of the following are NOT benefits of AWS Cloud computing? (Choose two.)**

Multiple procurement cycles

High availability

High latency

Temporary and disposable resources

Fault-tolerant databases

High-latency and multiple procurement cycles are not benefits of AWS Cloud computing.

**7. Which of the following is a compute service? (Select the best answer)**

Amazon VPC

Amazon S3

Amazon EC2

Amazon CloudFront

Amazon Redshift

**8. True or False? Cloud computing provides a simple way to access servers, storage, databases, and a broad set of application services over the internet. You own the network-connected hardware required for these services and Amazon Web Services provisions what you need.**

True

False

One of the key benefits of cloud computing is the opportunity to replace upfront capital infrastructure expenses (like hardware) with low variable costs that scale with your business.

**9. Economies of scale result from (Select the best answer.)**

having many different cloud providers

having hundreds of thousands of customers aggregated in the cloud

having hundreds of cloud services available over the internet

having to invest heavily in data centers and servers

Economies of scale results from having hundreds of thousands of customers aggregated in the cloud.

**10. Which of these are ways to access AWS core services? (Choose three.)**

Technical support calls

AWS Marketplace

AWS Management Console

AWS Command Line Interface (AWS CLI)

Software Development Kits (SDKs)  
MODUL 2

**1.For certain services like Amazon Elastic Compute Cloud (Amazon EC2) and Amazon Relational Database Service (Amazon RDS), you can invest in reserved capacity. What options are available for Reserved Instances? (Choose three.)**

AURI

MURI

NURI

PURI

DURI

**2. Where can a customer go to get more details about Amazon Elastic Compute Cloud (Amazon EC2) billing activity that took place 3 months ago? (Select the best answer.)**

Amazon EC2 dashboard

AWS Cost Explorer

AWS Trusted Advisor dashboard

AWS CloudTrail logs stored in Amazon Simple Storage Service (Amazon S3)

**3. True or false? To receive the discounted rate associated with Reserved Instances, you must make a full, upfront payment for the term of the agreement. (Select the best answer.)**

True

False

**4. Which statement is true about the pricing model on AWS? (Select the best answer.)**

In most cases, there is a per gigabyte charge for inbound data transfer.

Storage is typically charged per gigabyte.

Compute is typically charged as a monthly fee based on instance type.

Outbound charges are free up to a per account limit.

**5. What are the four support plans offered by AWS Support? (Select the best answer.)**

Basic, Developer, Business, Enterprise

Basic, Startup, Business, Enterprise

Free, Bronze, Silver, Gold

All support is free

**6. What AWS tool lets you explore AWS services and create an estimate for the cost of your use cases on AWS? (Select the best answer.)**

AWS Pricing Calculator

AWS Budgets

AWS Cost and Usage Report

AWS Billing Dashboard

**7.As AWS grows, the cost of doing business is reduced and savings are passed back to the customer with lower pricing. What is this optimization called? (Select the best answer.)**

Expenditure awareness

Economies of scale

Matching supply and demand

EC2 Right Sizing

**8. True or false? AWS offers some services at no charge, such as, Amazon Virtual Private Cloud, AWS Identity and Access Management, Consolidated Billing, AWS Elastic Beanstalk, automatic scaling, AWS OpsWorks and AWS CloudFormation. However, you might be charged for other AWS services that you use in conjunction with these services.**

True

False

**9. What are benefits of using AWS Organizations? (Choose two.)**

Replaces existing AWS Identity and Access Management (IAM) policies with service control policies (SCPs), which are simpler to manage

Provides the ability to create groups of accounts and then attach policies to a group

Provides the ability to create an unlimited number of nested organizational units (OUs) to support your desired structure

Simplifies automating account creation and management by using APIs

Prevents any restrictions from being put on the root user that is associated with the main organization in an account

**10. True or false? Unlimited services are available with the AWS Free Tier to new AWS customers for 12 months following their AWS sign-up date. (Select the best answer.)**

True

False

MODUL 3  
**1. Which component of the AWS Global Infrastructure does Amazon CloudFront use to ensure low-latency delivery? (Select the best answer.)**

AWS Regions

AWS edge locations

AWS Availability Zones

Amazon Virtual Private Cloud (Amazon VPC)

**2. You can run applications and workloads from a Region closer to the end users to … latency.**

increase

decrease

3. True or False? Networking, storage, compute, and databases are examples of service categories that AWS offers.

True

False

4. Which of the following are geographic areas that host two or more Availability Zones? (Select the best answer.)

AWS Origins

AWS Regions

Compute zones

Edge locations

5. ….. means the infrastructure has built-in component redundancy and means that resources dynamically adjust to increases or decreases in capacity requirements.

No human intervention, fault tolerant

Elastic and scalable, no human intervention

Fault tolerant, elastic and scalable

Fault tolerant, no human intervention

Elastic and scalable, fault tolerant

6. True or False? Availability Zones within a Region are connected through low-latency links.

True

False

7. Which of these statements about Availability Zones is not true? (Select the best answer.)

Availability Zones are designed for fault isolation.

Availability Zones are made up of one or more data centers.

A data center can be used for more than one Availability Zone.

Availability Zones are connected to each other using high-speed private links.

8. What is true about Regions? (Choose two.)

Each Region is located in a separate geographic area.

A Region is a physical location that has multiple Availability Zones.

All Regions are located in one specific geographic area.

They are the physical locations of your customers.

9.AWS highly recommends provisioning your compute resources across Availability Zones. (Select the best answer.)

multiple

all

no

single

10. True or False? Edge locations are only located in the same general area as Regions.

True

False  
  
MODUL 4

1 . In the shared responsibility model, AWS is responsible for providing what? (Select the best answer.)

Security of the cloud

Security to the cloud

Security for the cloud

Security in the cloud

2. In the shared responsibility model, which of the following are examples of "security in the cloud"? (Choose two.)

Compliance with compute security standards and regulations

Physical security of the facilities in which the services operate

Security group configurations

Encryption of data at rest and data in transit

Protecting the global infrastructure

3. Which of the following is the responsibility of AWS under the AWS shared responsibility model? (Select the best answer.)

Configuring third-party applications

Maintaining physical hardware

Security application access and data

Managing custom Amazon Machine Images (AMIs)

4. When creating an AWS Identity and Access Management (IAM) policy, what are the two types of access that can be granted to a user? (Choose two.)

Institutional access

Authorized access

Programmatic access

AWS Management Console access

Administrative root access

5. True or False? AWS Organizations enables you to consolidate multiple AWS accounts so that you centrally manage them.

True

False

6. Which of the following are best practices to secure your account using AWS Identity and Access Management (IAM)? (Choose two.)

Provide users with default administrative privileges.

Leave unused and unnecessary users and credentials in place.

Manage access to AWS resources.

Avoid using IAM groups to grant the same access permissions to multiple users.

Define fine-grained access rights.

7. Which of the following should be done by the AWS account root user? (Select the best answer.)

Secure access for applications

Integrate with other AWS services

Change granular permissions

Change the AWS support plan

8. After initial login, what does AWS recommend as the best practice for the AWS account root user? (Select the best answer.)

Delete the AWS account root user

Revoke all permissions on the AWS account root user

Restrict permission on the AWS account root user

Delete the access keys of the AWS account root user

9. How would a system administrator add an additional layer of login security to a user's AWS Management Console? (Select the best answer.)

Use Amazon Cloud Directory

Audit AWS Identity and Access Management (IAM) roles

Enable multi-factor authentication

Enable AWS CloudTrail

10. True or False? AWS Key Management Service (AWS KMS) enables you to assess, audit, and evaluate the configurations of your AWS resources.

True

False

MODUL 5

1. With Amazon Virtual Private Cloud (Amazon VPC), what is the smallest size subnet you can have in a VPC? (Select the best answer.)

/30

/26

/24

/28

2. With Amazon Virtual Private Cloud (Amazon VPC), what is the maximum size IP address range you can have in a VPC? (Select the best answer.)

/16

/24

/28

/30

3. You need to allow resources in a private subnet to access the internet. Which of the following must be present to enable this access? (Select the best answer.)

NAT gateway

Route tables

Security groups

Network access control lists

4. Which AWS networking service enables a company to create a virtual network within AWS? (Select the best answer.)

AWS Config

AWS Direct Connect

Amazon Route 53

Amazon Virtual Private Cloud (Amazon VPC)

5. True or False? Private subnets have direct access to the internet.

True

False

6. Which component of AWS Global Infrastructure does Amazon CloudFront use to ensure low-latency delivery? (Select the best answer.)

AWS Availability Zones

AWS Regions

AWS edge locations

Amazon Virtual Private Cloud (Amazon VPC)

7. Which of the following is an optional security control that can be applied at the subnet layer of a VPC? (Select the best answer.)

Firewall

Web application firewall

Network ACL

Security group

8. What happens when you use Amazon Virtual Private Cloud (Amazon VPC) to create a new VPC? (Select the best answer.)

A main route table is created by default.

Three subnets are created by default in one Availability Zone.

An internet gateway is created by default.

Three subnets are created by default: one for each Availability Zone.

9. Which of the following can be used to protect Amazon Elastic Compute Cloud (Amazon EC2) instances hosted in AWS? (Select the best answer.)

AMI

All of the above

Security group

Internet Gateway

10. You are a solutions architect who works at a large retail company that is migrating its existing infrastructure to AWS. You recommend that they use a custom VPC. When you create a VPC, you assign it to an IPv4 Classless Inter-Domain Routing (CIDR) block of 10.0.1.0/24 (which has 256 total IP addresses). How many IP addresses are available? (Select the best answer.)

246

250

256

251

MODUL 6

1. Why is AWS more economical than traditional data centers for applications with varying compute workloads? (Select the best answer)

Amazon EC2 costs are billed on a monthly basis.

Customers retain full administrative access to their Amazon EC2 instances.

Customers can permanently run enough instances to handle peak workloads.

Amazon EC2 instances can be launched on-demand when needed.

2. If your project requires monthly reports that iterate through very large amounts of data, which Amazon Elastic Compute Cloud (Amazon EC2) purchasing option should you consider? (Select the best answer)

Spot Instances

Scheduled Reserved Instances

Dedicated Hosts

On-Demand Instances

3. What is included in an Amazon Machine Image (AMI)? (Select the best answer)

A template for the root volume for the instance

Launch permissions that control which AWS accounts can use the AMI to launch instances.

A block device mapping that specifies the volumes to attach to the instance when it's launched

All of the above

4. Which Amazon Elastic Compute Cloud (Amazon EC2) feature ensures your instances will not share a physical host with instances from any other AWS customer? (Select the best answer)

Amazon VPC

Placement groups

Dedicated Instances

Reserved Instances

5. Which of the following services is a serverless compute service in AWS? (Select the best answer)

AWS Config

AWS Lambda

AWS OpsWorks

Amazon EC2

6. What is the service provided by AWS that enables developers to easily deploy and manage applications in the cloud? (Select the best answer)

Amazon Elastic Container Service

AWS Elastic Beanstalk

AWS Opswork

AWS CloudFormation

7. Your web application needs four instances to support steady traffic all of the time. On the last day of the month, the traffic triples. What is the most cost-effective way to handle this pattern? (Select the best answer)

Run 12 Reserved Instances all of the time.

Run four On-Demand Instances constantly, then add eight more On-Demand Instances on the last day of each month.

Run four Reserved Instances constantly, then add eight On-Demand Instances on the last day of each month.

Run four On-Demand Instances constantly, then add eight Reserved Instances on the last day of each month.

8. True or False? Containers contain an entire operating system.

True

False

9.

Which Amazon EC2 option is best for long-term workloads with predictable usage patterns? (Select the best answer)

Spot Instances

On-Demand Instances

Reserved Instances

10. Which of the following must be specified when launching a new Amazon Elastic Compute Cloud (Amazon EC2) Windows instance? (Choose two)

Password for the administrator account

The Amazon EC2 instance ID

Amazon EC2 instance type

Amazon Machine Image (AMI)

MODUL 7

1. True or False? Amazon Simple Storage Service (Amazon S3) is an object storage suitable for the storage of flat files like Microsoft Word documents, photos, etc.

True

False

2. Amazon S3 replicates all objects (Select the best answer)

on multiple volumes within an Availability Zone

in multiple Availability Zones within the same Region

across multiple Regions for higher durability

on multiple S3 buckets

3. Which of the following can be used as a storage class for an S3 object lifecycle policy? (Choose three)

S3 - Standard Access

AWS Storage Gateway

S3 - Infrequent Access

Simple Storage Service Glacier

S3 - Reduced Redundancy Storage

Amazon Dynamo DB

4.The name of an S3 bucket must be unique (Select the best answer)

worldwide across all AWS accounts

within a Region

across all your AWS accounts

within your AWS account

5. You can use Amazon Elastic File System (Amazon EFS) to: (Select the best answer)

provide simple, scalable, elastic file storage for use only within AWS.

implement storage for Amazon EC2 instances that multiple virtual machines can access at the same time.

host a robust CDN to deliver entire web sites with dynamic, static, and streaming content.

generate user-specific content.

6. Amazon Elastic Block Store (Amazon EBS) is recommended when data (Choose two) and

requires object-level storage

must be quickly accessible, requiring long-term persistence

requires an encryption solution

needs to be stored in a different Availability Zone than the one the EC2 instance is in

7.True or False? By default, all data stored in Amazon S3 is viewable by the public.

True

False

8. Regarding Amazon S3 Glacier, what is a Vault? (Select the best answer)

The rules that determine who may (or may not) access archives

An object (photos, videos, files, or documents)

A container for storing archives

A policy that identifies who can access content stored in Glacier

9. True or False? When you create a bucket in Amazon S3, it is associated with a specific AWS Region.

True

False

10. Which of the following are features of Amazon Elastic Block Store (Amazon EBS)? (Choose two)

Amazon EBS data is automatically backed up to tape.

Amazon EBS volumes can be encrypted transparently to workloads on the attached instance.

Data on an Amazon EBS volume is lost when the attached instance is stopped.

Data stored on Amazon EBS is automatically replicated within an Availability Zone.

MODUL 8

1.You are designing an ecommerce web application that will scale to hundreds of thousands of concurrent users. Which database technology is best suited to hold the session state in this example?

Amazon Relational Database Service (Amazon RDS)

Amazon DynamoDB

Amazon Redshift

Amazon Simple Storage Service (Amazon S3)

2. You need to find an item in Amazon DynamoDB table using an attribute other than item's primary key. Which of the following operations should you use?

Putltem

Query

Getitem

Scan

3.In Amazon DynamoDB, what does the query operation enable you to do? (Select the best answer.)

Query a table using the partition key and an optional sort key filter

Query any secondary indexes that exist for a table

Efficiently retrieve items from a table or secondary index

All of the above

4. Which AWS Cloud service is best suited for analyzing your data by using standard structured query language (SQL) and your existing business intelligence (BI) tools? (Select the best answer.)

Amazon Relational Database Service (Amazon RDS)

Amazon Simple Storage Service Glacier

Amazon DynamoDB

Amazon Redshift

5. In Amazon DynamoDB, an attribute is\_\_\_\_\_\_\_\_.

a fundamental data element

a collection of items

a collection of attributes

6. Which of the following use cases is appropriate for using Amazon Relational Database Service (Amazon RDS)? (Select the best answer.)

Massive read/write rates

Simple GET or PUT requests

Complex transactions

All of the above

7. A company has an application, which consists of a .NET layer that connects to a MySQL database. They want to move this application on to AWS and use AWS features such as high availability and automated backups. Which of the following would be an ideal database for this use case? (Select the best answer)

Amazon RDS

Amazon Redshift

Amazon DynamoDB

Amazon Aurora

8. If you are developing an application that requires a database with extremely fast performance, fast scalability, and flexibility in the database schema, which service should you consider? (Select the best answer.)

Amazon Relational Database Service (Amazon RDS)

Amazon ElastiCache

Amazon DynamoDB

Amazon Redshift

9.True of false? Amazon RDS automatically patches the database software and backs up your database, storing the backups for a user-defined retention period and enabling point-in-time recovery

True

10.What should you consider when choosing database type?

Data size

Data access period

Query frequency

Highly available

All of the above

MODUL 9

1. Which of the following is not one of the four areas of the performance efficiency pillar of the AWS Well-Architected Framework? (Select the best answer.)

Tradeoffs

Selection

Traceability

Monitoring

2. Which of the following is a principle when designing cloud-based systems? (Select the best answer.)

Build tightly-coupled components

Make infrequent, large batch changes

Assume everything will fail

Use as many services as possible

3 Which of the following are pillars of the AWS Well-Architected Framework?  
(Choose three)

Persistence

Security  
Operational Excellence  
Cost Optimization

4.Which design principles are recommended when considering performance efficiency? (Choose two.)

Match supply with demand

Use serverless architectures

Democratize advanced technologies

Enable traceability

Analyze and attribute expenditure

5. AWS Trusted Advisor provides insight regarding which five categories of an AWS account? (Select the best answer.)

Performance, cost optimization, security, fault tolerance, service limits

Performance, cost optimization, access control, connectivity, security

Security, fault tolerance, high availability, connectivity, service limits

Security, access control, high availability, performance, service limits

6 The AWS Well-Architected Framework is organized into how many pillars?

5

7.After you move to the AWS Cloud, you want to ensure that the right security settings are put in place. Which online tool can assist in security compliance? (Select the best answer.)

Amazon Kinesis

AWS Support

AWS Trusted Advisor

Amazon CloudWatch

8. Which of the following is a measure of your system's ability to provide functionality when desired by the user? (Select the best answer.)

Availability

Fault Tolerance

Reliability

Performance efficiency

9. What is defined as the ability for a system to remain operational even if some of the components of that system fail? (Select the best answer.)

High durability

Fault tolerance

High availability

High durability

10. Which of the following best describes a system that can withstand some measures of degradation, experiences minimal downtime, and requires minimal human intervention? (Select the best answer.)

Scalable

Fault-tolerant

Elastic

Highly available

6. What is the focus of the sustainability pillar of the Well-Architected Framework? (Select the best answer.)

Designing workloads that recover quickly from failures

Minimizing the environmental impacts of running cloud workloads

Avoiding unnecessary costs in cloud workloads

Automating updates to cloud workloads

**MODUL 10**  
1 Which of the following AWS tools help your application scale up or down based on demand?

Availability Zones

Amazon EC2 Auto Scaling

AWS CloudFormation

Elastic Load Balancing

AWS Config

2 Which service would you use to send alerts based on Amazon CloudWatch alarms?

Amazon Simple Notification Service (Amazon SNS)

AWS CloudTrail

AWS Trusted Advisor

Amazon Route 53

3 Which of the following are characteristics of Amazon EC2 Auto Scaling?  
Choose three

Only supports dynamic scaling

Responds to changing conditions by adding or terminating instances

Delivers push notifications

Launches instances from a specified Amazon Machine Image (AMI)

Enforces a minimum number of running Amazon EC2 instances

4 Which of the following must be configured on an Elastic Load Balancing load balancer to expect incoming traffic

A port

A network interface

A listener

An instance

5 Which of the following elements are used to create an Amazon EC2 Auto Scaling launch configuration?

Amazon Machine Image (AMI)

Load balancer

Instance type

Virtual private cloud (VPC) and subnets

Amazon Elastic Block Store (Amazon EBS) volumes

6 Which of the following services can help you conflict important metrics from Amazon Relational Database Service (Amazon RDS) and Amazon Elastic Compute Cloud (Amazon EC2) instances?

Amazon CloudFront

Amazon CloudSearch

Amazon CloudWatch

AWS CloudTrail

Amazon EC2 Auto Scaling

7 Which of the following are elements of an Auto Scaling group  
(Choose three)

Maximum size  
Desired capacity  
Minimum size

Desired capacity

8 There is an adult at your company and they need to have a big log of all access to AWS resources in the account. Which of the following services can assist in providing these details?

Amazon CloudWatch

AWS CloudTrail

Amazon Elastic Compute Cloud (Amazon EC2)

Amazon Simple Notification Service (Amazon SNS)

9 In Elastic Load Balancing, when the load balancing detects an unhealthy target, which of the following are true  
(Choose three)

Stops routing traffic to that target

Triggers an alarm

Resumes routing traffic when it detects that the target is healthy again

Resumes routing traffic when manually restarted

Routes traffic to a healthy target

10 What are the three types of load balancers that Elastic Load Balancing offers?  
(Choose three)

Internet Load Balancer

Application Load Balancer

Network Load Balancer

Compute Load Balancer

Classic Load Balancer

Auto Scaling Load Balancer

MODUL END

1. Which statement is an advantage of the platform as a service (PaaS) cloud service model?

PaaS is the most similar to traditional on-premises models for IT resources.

PaaS avoids the need to manage operating systems.

PaaS provides the greatest level of control over IT resources.

PaaS reduces the need to handle application deployments.

2. Which statement describes the business perspective of the AWS Cloud Adoption Framework?

Stakeholders can use architectural dimensions and models to understand and communicate the nature of IT systems and their relationships.

Stakeholders can evaluate organizational structures and roles, new skill and process requirements, and identify gaps.

Stakeholders can focus on the skills and processes that are needed to align IT strategy and goals with business strategy and goals.

3. Which statement accurately describes AWS pricing?

Outbound data transfers aren't charged.

Volume-based discounts are available when usage increases (on some services).

Companies must sign a long-term contract to be able to pay only for what they use.

Companies can reserve capacity for some services, but it doesn't impact the cost.

Stakeholders can create a strong business case for cloud adoption and prioritize cloud adoption initiatives.

4. How does the AWS Billing Dashboard help companies analyze their AWS usage to find potential cost-saving opportunities?

The billing dashboard shows the status of the month-to-date AWS expenditure and the AWS services that account for the majority of the overall expenditure.

The billing dashboard lists the costs that were incurred over the past month by service, by AWS Region, and by linked accounts.

The billing dashboard lists all AWS accounts with activity in the previous 6 months and a summary of spending for each account.

The billing dashboard shows the pricing models for all the AWS services that are used in your account and where your usage falls in the AWS Free Tier.

5. Which statement about edge locations is true?

The AWS global network includes a large number of Regional edge caches and a smaller number of edge locations to deliver content to users.

Regional edge caches are used to cache data that's frequently updated and must be refreshed continuously.

Amazon CloudFront uses edge locations and Regional edge caches to deliver content with lower latency.

AWS points of presence provide two to three edge locations per Region.

6. Which statements about responsibility are accurate based on the AWS shared responsibility model? (Select TWO.)

AWS is responsible for deciding what data to encrypt in customers' Amazon S3 buckets.

Customers are responsible for managing their user data.

AWS is responsible for the configuration of security groups.

AWS is responsible for the physical security of data centers.

Customers are responsible for the installation, maintenance, and decommissioning of the hardware that they use in the AWS data center.

7. A company must produce reports of any changes to its Amazon EC2 instance settings. Which AWS service should they use?

Amazon CloudWatch

AWS Artifact

AWS CloudTrail

AWS Config

8 . A network administrator wants to run their ecommerce web application on a virtual private cloud (VPC). Which step is part of setting up the VPC? (Select TWO.)

Create private and public subnets.

Attach the VPC to a security group.

Specify the range of IP addresses for the VPC.

Create the main route table.

Delete the local route in the route table.

9. Which requirement suggests configuring Amazon Route 53 with latency routing?

A company wants to route traffic to only locations where they have distribution rights.

A company wants to route traffic to the Region that provides the fastest experience based on performance measurements.

A company wants to detect website outages and automatically redirect customers to a healthy location.

A company wants to perform A/B testing and route traffic to different locations based on a percentage of traffic.

10. A developer is testing a prototype on Amazon EC2. The instances are terminated after testing, but the application requires uninterrupted compute while processing. Which type of Amazon EC2 instance pricing meets the need at the lowest cost?

Reserved Instance

On-Demand Instance

Spot Instance

Scheduled Reserved Instance

11. A developer needs temporary block storage for cache data on an Amazon EC2 instance. Which option should they choose?

Amazon Elastic File System (Amazon EFS)

Amazon EC2 instance store

Amazon S3

Amazon Elastic Block Store (Amazon EBS)

12. Which statement about Amazon Elastic Block Store (Amazon EBS) is true?

Amazon EBS volumes aren't recommended for storage that requires frequent updating.

Amazon EBS volumes are automatically replicated across multiple Availability Zones.

Amazon EBS volumes can't be resized.

Amazon EBS volumes persist independently from the Amazon EC2 instances that they're attached to.

13. A company uploads PDF forms to Amazon S3 that must be retained for 1 year. The forms are rarely accessed after 1 week, but they must be available within 1 day when they're requested. What lifecycle policy is the most cost-effective for their needs?

Move objects from Amazon S3 Standard to Amazon S3 Standard-Infrequent Access after 7 days.

Move objects from Amazon Standard-Infrequent Access to Amazon S3 Standard after 1 week.

Move objects from Amazon S3 Standard to Amazon S3 One Zone-Infrequent Access after 7 days. Delete the objects after 365 days.

Move objects from Amazon S3 Standard to Amazon S3 Glacier after 7 days. Delete them after 365 days.

14. A company needs to store billions of low volume daily events that will be used for analytics. Which storage option best fits this use case?

Amazon Elastic Block Store (Amazon EBS)

Amazon Elastic Container Service (Amazon ECS)

Amazon S3

Amazon EC2 instance store

15. Which option is a company's responsibility when running Amazon RDS?

Operating system patching

Application optimization

Operating system installation

Database software patching

16. Which scenario is a good fit for Amazon Redshift?

A company needs a data warehouse to support analytics applications.

A company needs to store large volumes of mixed media image and video files.

A company needs a database for managing unstructured data.

A company needs a relational database for a line-of-business transactional database.

17. How does AWS Trusted Advisor assist a company getting started with AWS?

AWS Trusted Advisor provides recommendations on configuring your AWS resources.

AWS Trusted Advisor provides recommendations for migrating on-premises resources to the cloud.

AWS Trusted Advisor automatically increases service limits (quotas) if you're near the limit.

AWS Trusted Advisor prevents access to resources that have overly broad permissions.

18. Which statement describes high availability?

A system can provide its expected functionality when desired by a user.

A system can withstand some measure of degradation without going down.

It's the probability that your entire system will function as intended for a specified period.

It's the measure of the total time in service divided by the number of failures.

19. Which scenario should be addressed with a Network Load Balancer?

A solution must support routing traffic to a containerized application based on the contents of incoming requests.

A solution must load balance millions of requests per second while maintaining low latency.

A solution must route traffic at the Open Systems Interconnection (OSI) model layer 7.

A solution must load balance incoming gRPC requests.

20. How is Elastic Load Balancing (ELB) used with Amazon EC2 Auto Scaling? (Select TWO).

ELB establishes the minimum and maximum number of instances in the Amazon EC2 Auto Scaling group.

ELB automatically adds new instances to the Amazon EC2 Auto Scaling group when the load reaches a predetermined limit.

ELB performs health checks on new Amazon EC2 instances that are added to the Amazon EC2 Auto Scaling group.

ELB triggers an Amazon EC2 Auto Scaling event when a threshold is reached.

ELB distributes traffic between Amazon EC2 instances in an Amazon EC2 Auto Scaling group.

1. True or False? Amazon Simple Storage Service (Amazon S3) is an object storage suitable for the storage of flat files like Microsoft Word documents, photos, etc.  
   true
2. Amazon S3 replicates all objects (Select the best answer  
   in multiple Availability Zones within the same Region

1. Which approach meets the requirements of phase 2 - task 2 (modifying a security group)?

Check the security configuration for the instance. Add an inbound rule to allow SSH traffic from any IPv4 location.

Check the security configuration for the instance. Add an inbound rule to allow SSH traffic from 10.0.0.0/16.

Check the security configuration for the instance. Add an outbound rule to allow HTTP traffic to any IPv4 location.

Check the security configuration for the instance. Add an inbound rule to allow HTTP traffic from any IPv4 location.

2. Which command meets the requirements of phase 2 - task 3 (observing and backing up the httpd access\_log) to use the Linux tail command to track changes to the web server's access\_log file?

sudo tail -f /var/log/httpd/access\_log

sudo cat /opt/aws/amazon-cloudwatch-agent/bin/config.json

sudo find /etc -name httpd.conf

sudo -f /var/log/httpd/access\_log

3. Which approach meets the requirement of phase 5 - task 3 (confirming that the new logs appear in the CloudWatch log group)?

Create a metric filter on memory utilization in Amazon CloudWatch Logs. Create a CloudWatch alarm on the filter that publishes to an Amazon Simple Notification Service (Amazon SNS) topic when the memory utilization goes above 80 percent.

In the Amazon EC2 console, copy the public IPv4 address of the web server instance and load the web server address in the browser

Configure AWS CloudTrail to send log events to Amazon CloudWatch Logs. Define a metric filter to identify repository events. Create a CloudWatch alarm with an Amazon Simple Notification Service (Amazon SNS) topic as a target.

In the Amazon CloudWatch console, choose the log group that is associated with apache/access. Then, choose the link for the log stream.

4. Which set of steps provides the ability to use CloudWatch Logs Insights?

Subscribe the EC2 instance to an Amazon Simple Notification Service (Amazon SNS) topic, and run a script to restart the application.

In the Amazon CloudWatch console, set the time period to include all the log data. Select the apache/access log group to query.

Configure AWS CloudTrail to send log events to Amazon CloudWatch Logs. Define a metric filter to identify repository events. Create a CloudWatch alarm with an Amazon Simple Notification Service (Amazon SNS) topic as a target.

Create a metric filter on memory utilization in Amazon CloudWatch Logs. Create a CloudWatch alarm on the filter that publishes to an Amazon Simple Notification Service (Amazon SNS) topic when the memory utilization goes above 80 percent.

5. Which approach could you use to generate log entries on a web server?

In the Amazon EC2 console, find the public IPv4 address for the EC2 instance. Use the IP address to access the web application. Browse the pages of the website to generate access log entries.

Subscribe the EC2 instance to an Amazon Simple Notification Service (Amazon SNS)

topic, and run a script to restart the application.

Configure AWS CloudTrail to send log events to Amazon CloudWatch Logs. Define a metric filter to identify repository events. Create a CloudWatch alarm with an Amazon Simple Notification Service (Amazon SNS) topic as a target.

In the Amazon CloudWatch console, choose the log group that is associated with apache/access. Then, choose the link for the log stream. Expand the first log stream entry.