

# AWS Examen Udemy I

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## ★ Question 1:

You want to run a questionnaire application for only one day (without interruption), which Amazon EC2 purchase option should you use?

Reserved Instances

Spot instances

On-demand instances

Dedicated Instances

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## ★ Question 2:

What do you gain from setting up consolidated billing for five different AWS accounts under another master account?

The consolidated billing feature is just for organizational purposes.

Each AWS account gets six times the free-tier services capacity.

AWS services' costs will be reduced to half the original price.

Each AWS account gets volume discounts.

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## ★ Question 3:

Which of the following helps a customer delve deep into the Amazon EC2 billing activity for the past month?

AWS Budgets

AWS TCO

AWS Systems Manager

AWS Cost & Usage Reports

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★ Question 4:

A company is deploying a new two-tier web application in AWS. Where should the most frequently accessed data be stored so that the application's response time is optimal?

AWS Storage Gateway

Amazon EBS volume

AWS OpsWorks

Amazon ElastiCache

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★ Question 5:

Which service is used to ensure that messages between software components are not lost if one or more components fail?

Amazon SQS

AWS Direct Connect

Amazon Connect

Amazon SES

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★ Question 6:

You have discovered that some AWS resources are being used in malicious activities that could compromise your data. What should you do?

Contact the AWS Customer Service team

Contact the AWS Concierge team

Contact the AWS Abuse team

Contact the AWS Security team

## ★ Question 7:

You have deployed your application on multiple Amazon EC2 instances. Your customers complain that sometimes they can't reach your application. Which AWS service allows you to monitor the performance of your EC2 instances to assist in troubleshooting these issues?

 Amazon CloudWatch AWS Config AWS CloudTrail AWS Lambda

## ★ Question 8:

You have noticed that several critical Amazon EC2 instances have been terminated. Which of the following AWS services would help you determine who took this action?

 AWS CloudTrail Amazon EC2 Usage report AWS Trusted Advisor Amazon Inspector

## ★ Question 9:

What does the AWS Personal Health Dashboard provide? (Choose two)

 A dashboard detailing vulnerabilities in your applications Personalized view of AWS service health Detailed troubleshooting guidance to address AWS events impacting your resources Published information about the current status and availability of all AWS services Recommendations for Cost Optimization

## ★ Question 10:

The identification process of an online financial services company requires that new users must complete an online interview with their security team. After verifying users' identities, the recorded interviews are only required in the event of a legal issue or a regulatory compliance breach. What is the most cost-effective service to store the recorded videos?

 AWS Marketplace S3 Intelligent-Tiering Amazon Glacier Amazon EBS

## ★ Question 11:

How can you view the distribution of AWS spending in one of your AWS accounts?

 By using AWS Cost Explorer By using Amazon VPC console By contacting the AWS Finance team By contacting the AWS Support team

## ★ Question 12:

You want to create a backup of your data in another geographical location. Where should you create this backup?

 In another Edge location In another VPC In another Region In another Availability Zone

★ Question 13:

What does AWS Snowball provide?

- Secure transfer of large amounts of data into and out of the AWS Cloud.
- A hybrid cloud storage between on-premises environments and the AWS Cloud.
- A catalog of third-party software solutions that customers need to build solutions and run their businesses.
- An Exabyte-scale data transfer service that allows you to move extremely large amounts of data to AWS.

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★ Question 14:

You have set up consolidated billing for several AWS accounts. One of the accounts has purchased a number of reserved instances for 3 years. Which of the following is true regarding this scenario?

- The purchased instances will have better performance than On-demand instances.
- There are no cost benefits from using Consolidated billing; it is for informational purposes only.
- The Reserved Instance discounts can only be shared with the master account.
- All accounts can receive the hourly cost benefit of the Reserved Instances.

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★ Question 15:

Which service provides DNS in the AWS cloud?

- Amazon CloudFront
- Route 53
- AWS Config
- Amazon EMR

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★ Question 16:

An organization has a large number of technical employees who operate their AWS Cloud

infrastructure. What does AWS provide to help organize them in teams and then assign the appropriate permissions for each team?

IAM users

IAM roles

AWS Organizations

IAM Groups

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★ Question 17:

A company complains that they are wasting a lot of money on underutilized compute resources in AWS. Which AWS feature should they use to ensure that their applications are automatically adding/removing compute capacity to closely match the required demand?

AWS Auto Scaling

AWS Budgets

AWS Elastic Load Balancer

AWS Cost Explorer

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★ Question 18:

Which of the following is NOT correct regarding Amazon EC2 On-demand instances?

The on-demand instances follow the AWS pay-as-you-go pricing model

You have to pay a start-up fee when launching a new instance for the first time

When using on-demand instances, you are charged per second based on an hourly rate

With on-demand instances, no longer-term commitments or upfront payments are needed

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★ Question 19:

A company has decided to migrate its Oracle database to AWS. Which AWS service can help achieve this without negatively impacting the functionality of the source database?

AWS Server Migration Service

AWS Application Discovery Service

AWS OpsWorks

AWS Database Migration Service

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★ Question 20:

What are the benefits of having infrastructure hosted in AWS? (Choose two)

Gaining complete control over the physical infrastructure

Increase speed and agility

All of the physical security and most of the data/network security are taken care of for you

Competitive upfront costs

There is no need to worry about security

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★ Question 21:

A company is introducing a new product to their customers, and is expecting a surge in traffic to their web application. As part of their Enterprise Support plan, which of the following provides the company with architectural and scaling guidance?

AWS Support Concierge Service

AWS Personal Health Dashboard

Infrastructure Event Management

AWS Support API

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★ Question 22:

As part of the Enterprise support plan, who is the primary point of contact for ongoing support needs?

EFS

IAM

TAM

IEM

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★ Question 23:

Which of the following S3 storage classes is ideal for data with unpredictable access patterns?

Amazon S3 Glacier.

Amazon S3 Intelligent-Tiering.

Amazon S3 Standard.

Amazon S3 Standard-Infrequent Access.

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★ Question 24:

What is the AWS service that provides a virtual network dedicated to your AWS account?

AWS Dedicated Hosts

AWS Subnets

Amazon VPC

AWS VPN

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★ Question 25:

Availability Zones within a Region are connected over low-latency links. Which of the following is a benefit of these links?

Automate the process of provisioning new compute resources

Create private connection to your data center

Achieve global high availability

- Make synchronous replication of your data possible

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★ Question 26:

Which service provides object-level storage in AWS?

- Amazon EBS

- Amazon EFS

- Amazon Instance Store

- Amazon S3

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★ Question 27:

According to the AWS Acceptable Use Policy, which of the following statements is true regarding penetration testing of EC2 instances?

- Penetration testing is performed automatically by AWS to determine vulnerabilities in your AWS infrastructure

- Penetration testing can be performed by the customer on their own instances without prior authorization from AWS

- The AWS customers are only allowed to perform penetration testing on services managed by AWS

- Penetration testing is not allowed in AWS

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★ Question 28:

Under the shared responsibility model, Which of the following is the AWS' responsibility?

- Filtering traffic with Security Groups

- Client-side encryption

- Configuring infrastructure devices

- Server-side encryption

## ★ Question 29:

What should you do in order to keep the data on EBS volumes safe? (Choose two)

- Ensure that EBS data is encrypted at rest
- Regularly update firmware on EBS devices
- Store a backup daily in an external drive
- Prevent any unauthorized access to AWS data centers
- Create EBS snapshots

## ★ Question 30:

You work as an on-premises MySQL DBA. The work of database configuration, backups, patching, and DR can be time-consuming and repetitive. Your company has decided to migrate to the AWS Cloud. Which of the following can help save time on the regular database tasks so you can focus on giving users the fast performance and high availability that they need?

- Amazon Redshift
- Amazon CloudWatch
- Amazon DynamoDB
- Amazon RDS

## ★ Question 31:

Which of the following is an example of horizontal scaling in the AWS Cloud?

- Increasing the computing capacity of a single EC2 instance to address the growing demands of an application.
- Adding more EC2 instances to handle an increase in traffic.
- Replacing an existing EC2 instance with a larger, more powerful one.
- Adding more RAM capacity to an EC2 instance.

## ★ Question 32:

Your company is developing a critical web application in AWS and the security of the application is one of the top priorities. Which of the following AWS services will provide infrastructure security optimization recommendations?

Amazon Aurora

AWS Management Console

AWS Shield

AWS Trusted Advisor

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★ Question 33:

A company has moved to AWS recently. Which of the following would help them ensure that the right security settings are put in place? (Choose two)

AWS Trusted Advisor

Amazon SNS

Concierge Support Team

Amazon Inspector

Amazon CloudWatch

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★ Question 34:

What is the AWS feature that provides an additional level of security above the default authentication mechanism of usernames and passwords?

AWS KMS

AWS MFA

Email verification

Encrypted keys

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★ Question 35:

Which of the following must an IAM user provide to interact with AWS services using the

Which of the following must you provide to interact with AWS services using the AWS Command Line Interface (AWS CLI)?

Secret token

User ID

User name and password

Access keys

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★ Question 36:

Which of the below is a best-practice when designing solutions on AWS?

Use AWS reservations to reduce costs when testing your production environment.

Provision a large compute capacity to handle any spikes in load.

Automate wherever possible to make architectural experimentation easier

Invest heavily in architecting your environment, as it is not easy to change your design later

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★ Question 37:

A startup company is operating on limited funds and is extremely concerned about cost overruns. Which of the below options can be used to notify the company when their monthly AWS bill exceeds \$2000?

Configure the Amazon Connect Service to send an SNS billing notification to their email address.

Setup a CloudTrail billing alarm that triggers an SNS notification to their email address.

Setup a CloudWatch billing alarm that triggers an SNS notification to their email address.

Configure the Amazon Simple Email Service to send an SNS billing notification to their email address.

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★ Question 38:

An organization has decided to reserve EC2 compute capacity for three years in order to get ~~more discounts~~. Their application workload see ~~likely to change during this time period~~

more discounts. Their application workloads are likely to change during this time period. What is the EC2 Reserved Instance (RI) type that will allow them to modify the reservation whenever they need to?

Elastic RIs

Convertible RIs

Scheduled RIs

Standard RIs

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★ Question 39:

Your company has a data store application that requires access to a NoSQL database. Which AWS database offering would best meet this requirement?

Amazon Redshift

Amazon Elastic Block Store

Amazon DynamoDB

Amazon Aurora

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★ Question 40:

What are the security aspects that the AWS customer is responsible for? (Choose two)

Disk disposal

Patching the Network infrastructure

Controlling physical access to compute resources

Set password complexity rules

Configuring network access rules

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★ Question 41:

A developer is planning to build a two-tier web application that has a MySQL database layer. Which of the following AWS database services would provide automated backups to his

..... application?

Amazon Aurora

Amazon DocumentDB

Amazon DynamoDB

A MySQL database installed on an EC2 instance

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★ Question 42:

Select TWO examples of the AWS shared controls.

IAM Management.

VPC Management.

Data Center operations.

Patch Management.

Configuration Management.

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★ Question 43:

Which of the below options are related to the reliability of AWS? (Choose two)

Providing compensation to customers if issues occur.

Applying the principle of least privilege to all of its resources.

Ability to recover quickly from failures.

All AWS services are considered Global Services, and this design helps customers serve their international users.

Automatically provisioning new resources to meet demand.

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★ Question 44:

A company has an Enterprise Support subscription. They want quick and efficient guidance with their billing and account inquiries. Which of the following should the company use?

AWS Personal Health Dashboard

AWS Support Concierge

AWS Support API

AWS Operations Support

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★ Question 45:

Adjusting compute capacity dynamically to reduce cost is an implementation of which AWS cloud best practice?

Parallelize tasks

Build security in every layer

Implement elasticity

Adopt monolithic architecture

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★ Question 46:

What does AWS provide to deploy popular technologies - such as IBM MQ - on AWS with the least amount of effort and time?

AWS Quick Start reference deployments

Amazon CloudWatch

Amazon Aurora

AWS OpsWorks

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★ Question 47:

Which statement is true regarding the AWS shared responsibility model?

Security of the managed services is the responsibility of the customer.

Patching the guest OS is the responsibility of AWS for all services.

Responsibilities vary depending on the services used.

Security of the IaaS services is the responsibility of AWS.

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★ Question 48:

Which of the following are examples of AWS-Managed Services, where AWS is responsible for the operational and maintenance burdens of running the service? (Choose TWO)

Amazon Elastic Compute Cloud

Amazon DynamoDB

Amazon VPC

AWS IAM

Amazon Elastic MapReduce

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★ Question 49:

Mark for review **M** is planning to host an educational website on AWS. Their video courses will be streamed all around the world. Which of the following AWS services will help achieve high transfer speeds?

Amazon Kinesis Video Streams

Amazon CloudFront

Amazon SNS

AWS CloudFormation

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★ Question 50:

Which of the following services allows customers to manage their agreements with AWS?

AWS Organizations

AWS Systems Manager

AWS Artifact

AWS Certificate Manager

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★ Question 51:

What does the "Principle of Least Privilege" refer to?

All trusted IAM users should have access to any AWS service in the respective AWS account.

You should grant your users only the permissions they need when they need them and nothing more.

IAM users should not be granted any permissions; to keep your account safe.

All IAM users should have at least the necessary permissions to access the core AWS services.

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★ Question 52:

The principle "design for failure and nothing will fail" is very important when designing your AWS Cloud architecture. Which of the following would help adhere to this principle? (Choose two)

AWS KMS

Amazon Elastic File System

AWS Elastic Load Balancer

Amazon Elastic MapReduce

Availability Zones

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★ Question 53:

You are working on a project that involves creating thumbnails of millions of images; however, consistent uptime is not really an issue, and continuous processing is not required. Which type of EC2 buying option would be the most cost-effective?

Dedicated Instances

Reserved Instances

On-demand Instances

Spot Instances

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★ Question 54:

What is the AWS database service that allows you to upload data structured in key-value format?

Amazon DynamoDB

Amazon Redshift

Amazon Aurora

Amazon RDS

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★ Question 55:

Which of the following does NOT belong to the AWS Cloud Computing models?

Software as a Service (SaaS)

Networking as a Service (NaaS)

Platform as a Service (PaaS)

Infrastructure as a Service (IaaS)

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★ Question 56:

A company has developed an eCommerce web application in AWS. What should they do to ensure that the application has the highest level of availability?

Deploy the application across multiple Regions and Availability Zones

Deploy the application across multiple Availability Zones and Edge locations

Deploy the application across multiple VPC's and subnets

- Deploy the application across multiple Availability Zones and subnets

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★ Question 57:

What is the advantage of the AWS-recommended practice of decoupling applications?

- Allows tracking of any API call made to any AWS service.
- Allows updates of any monolithic application quickly and easily.
- Allows treating an application as a single, cohesive unit.
- Reduces inter-dependencies so that failures do not impact other components of the application.

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★ Question 58:

One of the most important AWS best-practices to follow is the cloud architecture principle of elasticity. How does following this principle improve your architecture's design?

- By automatically scaling your on-premises resources based on changes in demand
- By automatically provisioning the required AWS resources based on changes in demand
- By automatically scaling your AWS resources using the Elastic Load Balancer
- By reducing interdependencies between application components wherever possible

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★ Question 59:

In order to implement best practices when dealing with a "Single Point of Failure," you should aim to build as much automation as possible in both detecting and reacting to failure. Which of the following AWS services would help? (Choose two)

- ELB
- Amazon Athena
- Auto Scaling
- ECR
- Amazon EC2

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★ Question 60:

Which of the following can be described as a global content delivery network (CDN) service?

AWS Regions

Amazon CloudFront

AWS VPN

AWS Direct Connect

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★ Question 61:

What is the AWS service that enables AWS architects to manage infrastructure as code?

AWS CloudFormation

Amazon EMR

Amazon SES

AWS Config

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★ Question 62:

What does Amazon CloudFront use to distribute content to global users with low latency?

AWS Data Centers

AWS Edge Locations

AWS Global Accelerator

AWS Regions

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★ Question 63:

Hundreds of thousands of DDoS attacks are recorded every month worldwide. What does

AWS provide to protect from these attacks? (Choose two)

AWS WAF

AWS KMS

AWS Config

AWS Shield

Amazon Cognito

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★ Question 64:

AWS allows users to manage their resources using a web based user interface. What is the name of this interface?

AWS CLI

AWS API

AWS SDK

AWS Management Console

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★ Question 65:

Which of the following is not a benefit of Amazon S3? (Choose TWO)

Amazon S3 can be scaled manually to store and retrieve any amount of data from anywhere.

Amazon S3 stores any number of objects, but with object size limits.

Amazon S3 can run any type of application or backend system.

Amazon S3 provides unlimited storage for any type of data.

Amazon S3 provides 99.999999999% (11 9's) of data durability.

