

Practice Exam

2019年2月10日 星期日 下午10:44

QUESTION 3

MARKED AS REVIEW

INCORRECT

BILLING AND PRICING

The firm you work for is considering migrating to AWS. They are concerned about cost and the initial investment needed. Which of the following features of AWS pricing helps lower the initial investment amount needed? Choose 2 answers from the options given below:

- A. The ability to choose the lowest cost vendor
- B. The ability to pay as you go ✓
- C. No upfront costs ✓
- D. Discounts for upfront payments ✗

Explanation:

Answer – B and C

The best features of moving to the AWS Cloud is:

1. No upfront costs
2. The ability to pay as you go where the customer only pays for the resources needed

For more information on the Cloud pricing principles, please refer to the below URL:

- <https://aws.amazon.com/pricing/>

Choice A is incorrect. The ability to choose the lowest cost vendor is not exclusive to AWS over on-premise solutions.

Choice D is incorrect. While AWS does have services that provide discounts for upfront payment, this is not exclusive to AWS over on premise solutions.

Ask our Experts



QUESTION 7

INCORRECT

CLOUD CONCEPTS

Which of the following in AWS maps to a separate geographic location?

- A. AWS Region ✓
- B. AWS Data Center
- C. AWS Availability Zone ✗
- D. AWS Local Region

Explanation:

Answer – A

The AWS documentation mentions the following

Amazon cloud computing resources are hosted in multiple locations world-wide. These locations are composed of AWS Regions and Availability Zones. Each AWS Region is a separate geographic area.

For more information on Regions and Availability Zones, please refer to the below URL:

- <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.RegionsAndAvailabilityZones.html>

as

- Choice B is incorrect. It is possible to have multiple data centers within a geographic area.
- Choice C is incorrect. It is possible to have multiple Availability Zones within a geographic area.
- Choice D is incorrect. A Local Region is a single data center designed to complement an existing AWS Region

QUESTION 10 INCORRECT

SEC

Which of the following can be used to secure EC2 Instances?

- A. Security Groups ✓
- B. EC2 Lists
- C. AWS Config
- D. AWS CloudWatch ✗

Explanation :

Answer – A

The AWS documentation mentions the following

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. When you launch an instance in a VPC, you can assign up to five security groups to the instance. Security groups act at the instance level, not the subnet level. Therefore, each instance in a subnet in your VPC could be assigned to a different set of security groups. If you don't specify a particular group at launch time, the instance is automatically assigned to the default security group for the VPC. CloudWatch is primarily used for monitoring, therefore it is incorrect.

AWS Config is primarily used to assess and audit AWS resource configuration, therefore it is incorrect.

EC2 Lists have no relationship with Security, therefore it is incorrect.

For more information on AWS Security Groups, please refer to the below URL:

- http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html

Question 2: **Incorrect**

You want to monitor the CPU utilization of an EC2 resource in AWS. Which of the below services can help in this regard?

A. AWS config

B. AWS Inspector

C. AWS Cloudwatch

D. AWS Trusted Advisor

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regard?

(Incorrect)

(Correct)

Explanation

Amazon CloudWatch is a monitoring service for AWS cloud resources and the applications you run on AWS. You can use CloudWatch to collect and track metrics, collect and monitor log files, set alarms, and automatically react to changes in your resources. Amazon CloudWatch can monitor AWS resources such as Amazon EC2 instances, Amazon DynamoDB tables, Amazon RDS DB instances, as well as custom metrics generated by your applications and services, and any log files your applications generate. <https://aws.amazon.com/cloudwatch/>

Question 4: **Incorrect**

Which of the following strategies can be used to control access to your Amazon EC2 instances?

A. DB security groups

B. IAM policies

C. EC2 security groups

D. None of these

Explanation

IAM policies allow you to specify what actions your IAM users are allowed to perform against your EC2 Instances. When it comes to access control, security groups are what you need in order to define and control the way you want your instances to be accessed, and whether or not certain kind of communications are allowed.

https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_create.html

https://docs.aws.amazon.com/vpc/latest/userguide/VPC_SecurityGroups.html

★ Question 7: **Incorrect**

A company has developed an eCommerce web application and the application needs an uptime of at least 99.9%. **What deployment strategies should they use?**

A. Deploying the application across multiple VPC's

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(Incorrect)

(Correct)

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t 99.5%. Which of

B. Deploying the application across multiple Regions

C. Deploying the application across Edge locations

D. Deploying the application across multiple subnets

Explanation

The AWS Cloud infrastructure is built around Regions and Availability Zones (AZs). AWS Regions provide multi-separated and isolated Availability Zones which are connected with low latency, high throughput, and highly reliable networking. These Availability Zones offer AWS customers an easier and more effective way to design and operate their applications and databases, making them more highly available, fault tolerant, and scalable than traditional single datacenter or multi-datacenter infrastructures. For customers who specifically need to replicate their data or applications across geographic distances, there are AWS Local Regions. An AWS Local Region is a single datacenter designed to connect to an existing AWS Region. Like all AWS Regions, AWS Local Regions are completely isolated from other AWS Regions and spans 55 Availability Zones within 18 geographic Regions and one Local Region around the world.
<https://aws.amazon.com/about-aws/global-infrastructure/>

Question 9: **Incorrect**

One of the benefits of the AWS Cloud is that there are many services, where you don't need to manage the infrastructure. Which of the following is an example of these services? (Choose two)

A. DynamoDB

B. EC2

C. Simple Storage Service

D. AWS AutoScaling

Explanation

The Simple Storage Service and DynamoDB are managed services (i.e. you don't need to manage the underlying infrastructure).
<https://aws.amazon.com/dynamodb/> <https://aws.amazon.com/s3/>

(Correct)

(Incorrect)

ple, physically redundant applications span greater distances to complement an organization's needs. The AWS Cloud

their underlying

(Correct)

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(Correct)

ng infrastructure).

Question 15: **Incorrect**

A user is planning to host a scalable, dynamic web application on AWS. Which service may not be required by achieve automated scalability?

A. CloudWatch

B. S3

C. AutoScaling

D. AWS EC2 instances

Explanation

The user can achieve automated scalability by configuring the AutoScaling service to run the required number of based on the conditions that you define. Cloudwatch is used to monitor the utilization of the running instances and AutoScaling to automatically scale up (by launching more instances) or down (by terminating instances) based on demand. <https://aws.amazon.com/autoscaling/> <https://aws.amazon.com/cloudwatch/>

Question 20: **Correct**

You are planning to host a large eCommerce application on the AWS Cloud. One of your major concerns such as DDoS attacks. Which of the following services can help mitigate this concern? (Choose 2 answers)

A. CloudFront

B. AWS Shield

C. AWS EC2

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(Incorrect)

(Correct)

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(Correct)

(Correct)

D. AWS Config

Explanation

AWS provides flexible infrastructure and services that help customers implement strong DDoS mitigation available application architectures that follow AWS Best Practices for DDoS Resiliency. These include services such as Route 53, Amazon CloudFront, Elastic Load Balancing, and AWS WAF to control and absorb traffic, and AWS Shield to handle requests. These services integrate with AWS Shield, a managed DDoS protection service that provides automatic inline mitigations to safeguard web applications running on AWS. <https://aws.amazon.com/about-aws/ddos-attack-mitigation/>

Question 23: **Incorrect**

In order to implement best practices when dealing with “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 you achieve this goal? (Select all that apply)

A. ELB

B. Amazon Route53

C. Auto Scaling

D. Amazon EC2 auto-recovery

Explanation

You should aim to build as much automation as possible in both detecting and reacting to failure. You can use services such as Amazon CloudWatch Metrics and Amazon CloudWatch Logs to detect failure. You can also use Amazon Route53 to configure health checks and mask failure by routing traffic to healthy endpoints. In addition, Amazon Lambda can be configured to automatically replace unhealthy nodes. You can also replace unhealthy nodes using the Amazon CloudWatch Metrics Insights feature or services such as AWS OpsWorks and AWS Elastic Beanstalk. It won't be possible to predict every failure scenario on day one. Make sure you collect enough logs and metrics to understand normal system behavior and anomalies. Once you understand that, you will be able to set up alarms for manual intervention or automated response. Referenced services include Amazon CloudWatch Metrics, Amazon CloudWatch Logs, Amazon Route53, Amazon Lambda, Amazon CloudWatch Metrics Insights, AWS OpsWorks, and AWS Elastic Beanstalk.

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https://d1.awsstatic.com/whitepapers/AWS_Cloud_Best_Practices.pdf

★ Question 25: **Incorrect**

You are working on an application that requires low-latency network performance. In order to establish low-latency network performance, which feature can be used?

A. ELB and Auto scaling

B. placement groups

C. EC2 and DynamoDB

D. ElasticMapReduce

Explanation

Placement groups allow logical grouping of the Amazon EC2 instances . Cluster Placement groups are recommended for applications that benefit from low network latency, high network throughput, or both, and if the majority of the traffic between the instances in the group.

★ Question 27: **Incorrect**

A company is currently using the Enterprise Support plan. They want quick and efficient guidance with their account inquiries. Which of the following included services could assist them?

A. AWS Support API

B. AWS Support Concierge

C. AWS Advisor

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(Correct)

(Incorrect)

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their billing and

(Correct)

(Incorrect)

D. Customer Contacts**Explanation**

Included as part of the Enterprise Support plan, the Support Concierge Team are AWS billing and account experts in working with enterprise accounts. This Concierge team will quickly and efficiently assist you with your billing inquiries, and work with you to help implement billing and account best practices so that you can focus on what's important to your business. Support Concierge service includes: ** 24 x7 access to AWS billing and account inquiries. ** Guidance on best practices for billing allocation, reporting, consolidation of accounts, and root-level account security. ** Access to account specialists for payment inquiries, training on specific cost reporting, assistance with service limits, and support for large purchases. <https://aws.amazon.com/premiumsupport/features/>

★ Question 30: Incorrect

Which of the following is your responsibility when creating Amazon VPC security groups? (Choose 2)

A. Ensuring that the rules take effect before creating another security group.

B. Giving a name and description for the security group.

C. Adding rules to the security group.

D. Ensuring that the security groups are linked to the Elastic Network interface.

Explanation

https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html

Question 31: Incorrect

Which of the following does AWS perform on your behalf for EBS volumes to reduce the possibility of data loss?

(incorrect)

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(Incorrect)

(Correct)

(Correct)

of failure?

A. Replication of the volume across Availability Zones

B. Replication of the volume across Regions

C. Replication of the volume in the same Availability Zone

D. Replication of the volume across Edge locations

Explanation

When you create an EBS volume in an Availability Zone, it is automatically replicated within that zone to prevent failure of any single hardware component. <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSReplication.html>

★ Question 33: **Incorrect**

Your logs show that one or more AWS-owned IP addresses are sending packets to multiple ports on your instance. You believe this is an attempt to discover unsecured ports. What should you do?

A. Contact the AWS Security team.

B. Contact the AWS support team.

C. Contact the AWS Abuse team.

D. Contact the AWS Customer Service team.

Explanation

(Incorrect)

(Correct)

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(Incorrect)

(Correct)

The AWS Abuse team can assist you when AWS resources are being used to engage in the following types of abuse:
I. Spam: You are receiving unwanted emails from an AWS-owned IP address, or AWS resources are being used to send spam.
II. Port scanning: Your logs show that one or more AWS-owned IP addresses are sending packets to your server, and you believe this is an attempt to discover unsecured ports.
III. Denial of service attacks (DoS): You have evidence that AWS resources are being used to flood ports on your resources with packets, an attempt to overwhelm or crash your server or software running on your server.
IV. Intrusion attempts: You have evidence that one or more AWS-owned IP addresses are being used to attempt to log in to your resources.
V. Hosting copyrighted content: You have evidence that AWS resources are being used to host or distribute illegal copyrighted content without the consent of the copyright holder.
VI. Distributing malware: You have evidence that AWS resources are being used to distribute software that was knowingly created to compromise or cause harm to computers on which it is installed.

Reference: <https://aws.amazon.com/premiumsupport/knowledge-center/report-abuse/>

Question 34: **Incorrect**

What are the characteristics of Amazon S3? (Choose 2 answers)

- A. S3 allows you to store unlimited amounts of data.
- B. S3 allows you to store objects of virtually unlimited size.
- C. S3 should be used to host a relational database.
- D. Objects are directly accessible via a URL.

Explanation

Each object does have a limitation in S3, but you can store virtually unlimited amounts of data. Also each object has a unique URL. Option B is wrong as S3 limits object size. Individual Amazon S3 objects can range in size from a few bytes to a maximum of 5 terabytes. Option C is wrong as S3 is an object storage and not a block storage and cannot host OS or database on it. <https://aws.amazon.com/s3/>

Question 36: **Incorrect**

You are going to create snapshots from the EBS volumes in another geographical location using the command `aws ebs create-snapshot`. Where do you create the snapshots?

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console. Where would

A. In another Availability Zone

B. In another data center

C. In another Edge location

D. In another Region

Explanation

since you are going to create the snapshots in another geographical location then the answer is regions.
<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.RegionsAndAvailabilityZones.html>

Question 39: **Incorrect**

A company moved to AWS recently. They have a lot of concerns about their security. Which of the following ensure that the right security settings are put in place? (Select all that apply)

A. AWS Inspector

B. AWS Kinesis

C. Concierge Support Team.

D. AWS Trusted Advisor

Explanation

(Incorrect)

(Correct)

llowing would help them

(Correct)

(Incorrect)

(Correct)

Explanation:

** AWS Trusted Advisor is an online resource to help you reduce cost, increase performance, and improve your AWS environment. Trusted Advisor provides real time guidance to help you provision your resources and practices. **Amazon Inspector is an automated security assessment service that helps improve the security of applications deployed on AWS. Amazon Inspector automatically assesses applications for vulnerabilities and best practices. After performing an assessment, Amazon Inspector produces a detailed list of security findings and their severity. These findings can be reviewed directly or as part of detailed assessment reports which are available in the Inspector console or API. To help you get started quickly, Amazon Inspector includes a knowledge base mapped to common security best practices and vulnerability definitions. Examples of built-in rules include root login being enabled, or vulnerable software versions installed. These rules are regularly updated by researchers. // Option C is not true. The Support Concierge Team will quickly and efficiently assist you with account inquiries. <https://aws.amazon.com/premiumsupport/trustedadvisor/>. <https://aws.amazon.com/premiumsupport/>.

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