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## Free Test

Attempt	1	Completed on	Monday , 16 September 2019 , 03:09 AM
Marks Obtained	13 / 20	Time Taken	N/A
Your score is	65%	Result	<b>Fail</b>
Mode	Practice		

## Domains wise Quiz Performance Report

No	Domain	Total Question	Correct	Incorrect	Unattempted	Marked as Review
1	Billing and Pricing	4	3	1	0	0
2	Technology	6	5	1	0	0
3	Security	5	3	2	0	1
4	Cloud Concepts	5	2	3	0	2
Total	All Domain	20	13	7	0	3

## Review the Answers

Sorting by

All



### Question 1

Correct

Domain :Billing and Pricing

Which of the following is a factor when calculating Total Cost of Ownership (TCO) for the AWS Cloud?

- ☒ A. The number of servers migrated to AWS
- ☐ B. The number of users migrated to AWS
- ☐ C. The number of passwords migrated to AWS
- ☐ D. The number of keys migrated to AWS

### Explanation:

Answer – A

Running servers will incur costs. The number of running servers is one factor of Server Costs; a key component of AWS's Total Cost of Ownership (TCO).

Since choices B, C, D do not relate to any component of AWS's Total Cost of Ownership, so they are incorrect.

For more information on AWS TCO, please refer to the below link:

- <https://aws.amazon.com/blogs/aws/the-new-aws-tco-calculator/>

## Question 2

Correct

Domain :Technology

Which AWS service can be used as a global content delivery network (CDN) service?

- ☐ A. Amazon SES
- ☐ B. Amazon Cloudtrail
- ☒ C. Amazon CloudFront ✓
- ☐ D. Amazon S3

**Explanation:**

Answer – C

The AWS Documentation mentions the following

Amazon CloudFront is a web service that gives businesses and web application developers an easy and cost effective way to distribute content with low latency and high data transfer speeds. Like other AWS services, Amazon CloudFront is a self-service, pay-per-use offering, requiring no long term commitments or minimum fees. With CloudFront, your files are delivered to end-users using a global network of edge locations.

For more information on CloudFront, please visit the link:

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

Option A is incorrect. SES is a Simple Email Service and not a CDN.

Option B is incorrect. CloudTrail is used to monitor logs and API activity and not a CDN.

Option D is incorrect. S3 is used for file-level storage and not a CDN independently.

## Question 3

Correct

Domain :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 3 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, C, and D

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.

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#### Question 4

Correct

Domain :Security

Your company has started using AWS. Your IT Security team is concerned with the security of hosting resources in the Cloud. Which AWS service provides security optimization recommendations that could help the IT Security team secure resources using AWS?

- ☐ A. AWS API Gateway
- ☐ B. Reserved Instances
- ☒ C. AWS Trusted Advisor 
- ☐ D. AWS Spot Instances

#### Explanation:

Answer – C

The AWS documentation mentions the following

An online resource to help you reduce cost, increase performance, and improve security by optimizing your AWS environment, Trusted Advisor provides real time guidance to help you provision your resources following AWS best practices

For more information on the AWS Trusted Advisor, please refer to the below URL:

- <https://aws.amazon.com/premiumsupport/trustedadvisor/>

Option A is incorrect. AWS API Gateway is a tool used to create and maintain application programming interfaces.

Option B and D are incorrect. These are EC2 Instance Types, not AWS Services

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#### Question 5

Correct

Domain :Technology

You are hosting a number of EC2 Instances on AWS. You are looking to monitor CPU Utilization on the Instance. Which service would you use to collect and track performance metrics for AWS services?

- ☐ A. Amazon CloudFront
- ☐ B. Amazon CloudSearch
- ☒ C. Amazon CloudWatch 
- ☐ D. AWS Managed Services

#### Explanation:

Answer – C

The AWS documentation mentions the following

Amazon CloudWatch is a monitoring service for AWS cloud resources and the applications you run on AWS. You can use Amazon CloudWatch to collect and track metrics, collect and monitor log files, set alarms, and automatically react to changes in your AWS resources

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

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

A is incorrect. CloudFront is a content delivery network (CDN).

B is incorrect. CloudSearch is managed search service.

D is incorrect. AWS Managed Services allows AWS to provide management of AWS infrastructure.

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## Question 6

Correct

Domain :Cloud Concepts

Which of the following support plans give access to all the checks in the Trusted Advisor service. Choose 2 answers from the options given below:

- ☐ A. Basic
- ☐ B. Developer
- ☒ C. Business ✓
- ☒ D. Enterprise ✓

### Explanation:

Answer – C and D

Below is the snapshot from the AWS Documentation which supports this

	Developer	Business	Enterprise
	<i>Recommended if you are experimenting or testing in AWS.</i>	<i>Recommended if you have production workloads in AWS.</i>	<i>Recommended if you have business and/or mission critical workloads in AWS.</i>
<b>AWS Trusted Advisor Best Practice Checks</b>	7 Core <a href="#">checks</a>	Full set of <a href="#">checks</a>	Full set of <a href="#">checks</a>

- For more information on the various AWS support plans, please refer to the below URL:

- <https://aws.amazon.com/premiumsupport/compare-plans/>

- Options A and B are incorrect. You need at least a Business Support Plan in order to qualify for ALL checks available in Trusted Advisor.

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## Question 7

Marked as review Incorrect

Domain :Cloud Concepts

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

- ☒ A. AWS Region ✓
- ☐ B. AWS Data Center

- ☐ 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>

- 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

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### Question 8

Correct

Domain :Security

To know the account activity, including actions through AWS Management Console, SDK's, Command Lines and other AWS Services, which of the below service would you use?

- ☐ A. AWS CloudWatch
- ☐ B. AWS CloudWatch Logs
- ☐ C. AWS Config
- ☒ D. AWS CloudTrail 

### Explanation:

Answer – D

AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting.

- For more information on AWS Cloudtrail, please refer to the below URL:

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

- Options A and B are incorrect. AWS CloudWatch is a performance monitoring service.

Option C is incorrect. AWS Config monitors configuration, not events.

NOTE:

Amazon CloudWatch monitors your Amazon Web Services (AWS) resources and the applications you run on AWS in real time.

CloudTrail is a web service that records AWS API calls for your AWS account and delivers log files to an Amazon S3 bucket. The recorded information includes the identity of the user, the start time of the AWS API call, the source IP address, the request parameters, and the response elements returned by the service.

In short, CloudWatch monitors the activity of AWS resources. Cloudtrail registers the activity done by the users.

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### Question 9

Incorrect

Domain :Technology

Your development team is planning to host a development environment on the cloud. This consists of EC2 and RDS instances. This environment will probably only be required for 2 months. Which types of instances would you use for this purpose?

- ☐ A. On-Demand ✓
- ☐ B. Spot
- ☒ C. Reserved ✗
- ☐ D. Dedicated Hosts

#### Explanation:

Answer - A

The best and cost effective option would be to use On-Demand Instances. The AWS documentation gives the following additional information on On-Demand EC2 Instances

With On-Demand instances you only pay for EC2 instances you use. The use of On-Demand instances frees you from the costs and complexities of planning, purchasing, and maintaining hardware and transforms what are commonly large fixed costs into much smaller variable costs.

For more information on AWS On-Demand Instances, please refer to the below URL:

- <https://aws.amazon.com/ec2/pricing/on-demand/>

Option B is incorrect. Spot instances may be terminated at any time with the fluctuation of market prices. Therefore, unless the question indicates this use case, we cannot assume the development team would not expect high availability.

Option C is incorrect. Reserved Instances require a minimum 1 year commitment.

Option D is incorrect. Dedicated hosts are typically used when the underlying hardware cannot be shared across tenants (customers). This is the most expensive option and typically would not be ideal for development purposes.

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### Question 10

Correct

Domain :Security

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](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html)

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Question 11

Correct

Domain :Cloud Concepts

Which of the following are responsibilities of AWS? Choose 2 answers from the options given below:

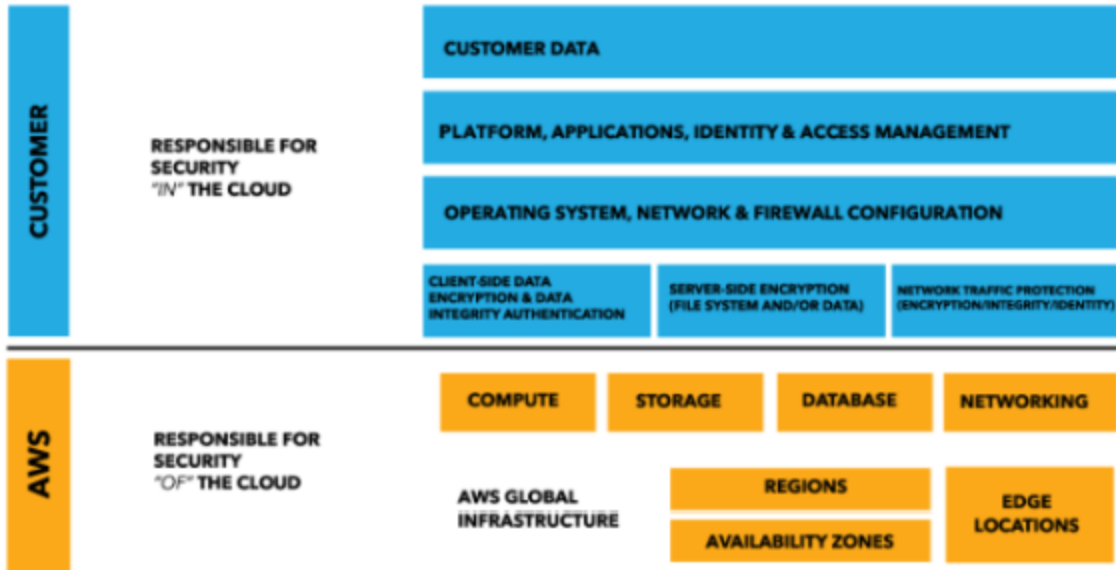
- ☐ A. Maintenance of data on an EC2 Instance
- ☐ B. Management of IAM users
- ☒ C. Management of Physical servers ✓
- ☒ D. Maintenance of Edge locations ✓

Explanation:

Answer – C and D

The below diagram from the AWS documentation shows the Shared Responsibility Model. AWS is responsible for Security OF the cloud. This includes choices C and D.

According tot he Shared Responsibility Model, the customer is responsible for Security IN the cloud. The includes choices A and B. Therefore A and B are incorrect.



For more information on the Shared Responsibility Model, please refer to the below URL:

- <https://aws.amazon.com/compliance/shared-responsibility-model/>

## Question 12

Correct

Domain :Technology

Which of the following services allows you to distribute load across multiple EC2 Instances?

- ☐ A. AWS Autoscaling
- ☒ B. AWS Elastic Load Balancer ✓
- ☐ C. AWS Regions
- ☐ D. AWS IAM

**Explanation:**

Answer – B

The AWS Documentation mentions the following on the ELB

Elastic Load Balancing automatically distributes incoming application traffic across multiple targets, such as Amazon EC2 instances, containers, and IP addresses. It can handle the varying load of your application traffic in a single Availability Zone or across multiple Availability Zones. Elastic Load Balancing offers three types of load balancers that all feature the high availability, automatic scaling, and robust security necessary to make your applications fault tolerant.

AutoScaling does not distribute compute capacity across EC2. It automatically adjusted capacity by provisioning new EC2 instances. Therefore A is incorrect.

Regions and IAM have no relation to load distribution. Therefore C and D are incorrect.

For more information on the Elastic Load Balancer, please refer to the below URL:

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

## Question 13

Marked as review Incorrect

Domain :Security

You have an application developed in .NET. This applications works with the S3 buckets in a particular region. The application is hosted on an EC2 Instance. Which of the following should ideally be used to ensure that the EC2 Instance has the appropriate access to the S3 buckets?

- ☐ A. AWS Users
- ☐ B. AWS Groups
- ☐ C. AWS IAM Roles ✓
- ☒ D. AWS IAM Policies ✗

**Explanation:**

Answer – C

The AWS Documentation mentions the following

You can use roles to delegate access to users, applications, or services that don't normally have access to your AWS resources.

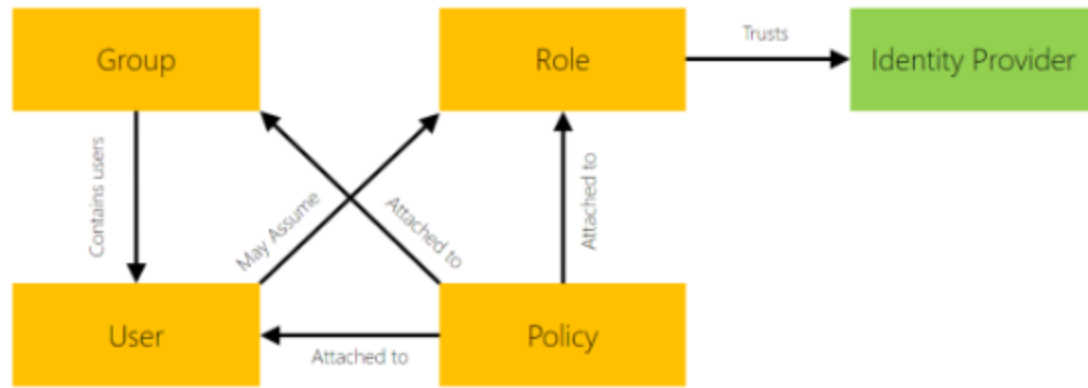
For more information on IAM Roles, please refer to the below URL:

- [http://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_roles.html](http://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles.html)

Groups are collections of Users which will not be appropriate for the EC2 Instance so A and B are incorrect.



The creation of a new policy cannot ensure appropriate access. They must be attached to a User, Group or Role. Therefore D is incorrect.



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#### Question 14

Correct

Domain :Billing and Pricing

You have a requirement to host an application on an EC2 instance that will be used for a minimum of a year. Which of the following would be the most cost-effective option?

- ☐ A. On-Demand Instances
- ☐ B. Spot Instances
- ☒ C. Reserved Instances ✓
- ☐ D. Dedicated Host

#### Explanation:

Answer – C

The AWS Documentation mentions the following

Standard Reserved Instances offer significant discount at 1 year or 3 year commitment terms compared to On-Demand pricing and provide a capacity reservation when used in a specific Availability Zone. The only difference is that you need to make an upfront commitment to the purchasing an Instance.

For more information on Reserved Instances, please refer to the below URL:

- <https://aws.amazon.com/ec2/pricing/reserved-instances/>

Choice A and D are incorrect. These instance types are not the most cost-efficient.

Choice B is incorrect. Although Spot Instances are the most cost-efficient, Spot Instances can be terminated at any time due to fluctuations in market prices. Question does indicate this type of use case so we cannot assume this.

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#### Question 15

Incorrect

Domain :Billing and Pricing

Your firm has several independent AWS accounts and linked AWS accounts. What is the best way to manage monthly payment invoices from AWS?

- ☒ A. AWS Config ✗
- ☐ B. AWS Inspector
- ☐ C. AWS IAM
- ☐ D. Consolidated Billing ✓

### Explanation:

Answer - D

The AWS Documentation mentions the following

You can use the consolidated billing feature in AWS Organizations to consolidate payment for multiple AWS accounts or multiple AISPL accounts. With consolidated billing, you can see a combined view of AWS charges incurred by all of your accounts. You also can get a cost report for each member account that is associated with your master account. Consolidated billing is offered at no additional charge. AWS and AISPL accounts can't be consolidated together

For more information on AWS Consolidated billing, please refer to the below URL:

- <http://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/consolidated-billing.html>

Choice A, B and C are incorrect because you would typically not use these services to manage billing.

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### Question 16

Correct

Domain :Technology

You need a storage solution that can be used to store a large quantity of archive documents. Which of the following storage solutions in AWS is best suited for this need?

- ☐ A. Amazon S3
- ☒ B. Amazon Glacier ✓
- ☐ C. Amazon EBS Volumes
- ☐ D. Amazon EBS Snapshots

### Explanation:

Answer – B

The AWS Documentation mentions the following

Amazon Glacier is a secure, durable, and extremely low-cost cloud storage service for data archiving and long-term backup. It is designed to deliver 99.999999999% durability, and provides comprehensive security and compliance capabilities that can help meet even the most stringent regulatory requirements.

For more information on Amazon Glacier, please refer to the below URL:

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

Choice A is incorrect because Glacier is more cost-efficient and better suited for long-term archival.

Choice C and D are incorrect because they are block-level storage as opposed to file-level storage, which would be more appropriate for documents.

### NOTE:

Here the question is only talking about storage(**large quantity of archive document**) and not focusing on the data retrievals. So based on this Glacier is the correct option.

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### Question 17

Marked as review Incorrect

Domain :Cloud Concepts

Where can a customer find information about prohibited actions on AWS infrastructure?

- ☒ A. AWS Cloud Compliance ✗

- ☐ B. AWS Identity and Access Management (IAM)
- ☐ C. AWS Inspector
- ☐ D. AWS Acceptable Use Policy 

**Explanation:**

Answer – D



The Acceptable Use Policy describes prohibited uses of the web services offered by Amazon Web Services, Inc. and its affiliates.

For more information on prohibited users, please refer to the below link:

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

Answers A, B and C are incorrect because these services do not contain information on prohibited actions when using AWS.

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**Question 18**

**Correct**

Domain :Technology

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

- ☒ A. Amazon SNS 
- ☐ B. AWS SQS
- ☐ C. AWS Trusted Advisor
- ☐ D. Amazon Simple Email Service (SES)

**Explanation:**

Answer – A

You can create a CloudWatch alarm that watches a single metric. The alarm performs one or more actions based on the value of the metric relative to a threshold over a number of time periods. The action can be an Amazon EC2 action, an Auto Scaling action, or a notification sent to an Amazon SNS topic.

For more information on Creating Amazon CloudWatch Alarms, please refer to the below URL:

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

Choices B, C, D are incorrect because you cannot send integrate these services with CloudWatch to send alerts.

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**Question 19**

**Incorrect**

Domain :Cloud Concepts

Which of the following services is a fully managed AWS database service?

- ☒ A. Amazon RDS 
- ☐ B. Amazon MySQL
- ☐ C. Amazon DynamoDB 
- ☐ D. AWS Glue

Explanation:

Answer - C

The AWS Documentation mentions the following

Amazon DynamoDB is a fast and flexible NoSQL database service for all applications that need consistent, single-digit millisecond latency at any scale. It is a fully managed cloud database and supports both document and key-value store models.

For more information on DynamoDB, please refer to the below URL:

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

With RDS MySQL db instances we can have EC2 with a MySQLdb instance installed by the user and can be managed by the user alone. However with DynamoDB, there is no such customer installation is possible. Hence that seems to be a more correct answer for this question.

Q: When would I use Amazon RDS vs. Amazon EC2 Relational Database AMIs?

Amazon Web Services provides a number of database alternatives for developers. Amazon RDS enables you to run a fully featured relational database while offloading database administration. Using one of our many relational database AMIs on Amazon EC2 allows you to manage your own relational database in the cloud. There are important differences between these alternatives that may make one more appropriate for your use case. See Cloud Databases with AWS for guidance on which solution is best for you.

Choice A and B are incorrect. AmazonRDS and Amazon MySQL can be installed and managed by the customer.

Choice D is incorrect. AWS Glue is a fully managed ETL service.

Note:


Amazon RDS is a managed SQL database service supporting an array of db engines to store and organize data and helps with db management tasks.

You were asked to pick an "fully managed" AWS DB Service, and Amazon Dynamo DB is the correct choice. The below link from Amazon provides you the reasons:

- <https://aws.amazon.com/dynamodb/#whentousedynamodb>

	Amazon RDS	Amazon Redshift	Amazon DynamoDB	Amazon SimpleDB
Database engine	Amazon Aurora, MySQL, MariaDB, Oracle Database, SQL Server, PostgreSQL	Redshift (adapted PostgreSQL)	NoSQL	NoSQL (with limited capacity)
Computing resources	Instances with 64 vCPU and 244 GB RAM	Nodes with vCPU and 244 GB RAM	Not specified, software as a service	Not specified, software as a service
Data storage facilities (max)	6 TB per Instance, 20,000 IOPS	16 TB per Instance	Unlimited storage size, 40,000 Read/Write per table	10 GB per domain, 25 Writes/Sec
Maintenance Windows	30 minutes per week	30 minutes per week	No effect	No effect
Multi-AZ replication	As an additional service	Manual	Built-in	Built-in
Tables (per basic structural unit)	Defined by the database engine	9,900	256	250
Main usage feature	Conventional database	Data warehouse	Database for dynamically modified data	Simple database for small records or auxiliary roles

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Question 20

Incorrect

Domain :Security

Which service can identify the user that made the API call when an Amazon Elastic Compute Cloud (Amazon EC2) instance is terminated?

- ☐ A. Amazon CloudWatch
- ☐ B. AWS CloudTrail 
- ☒ C. AWS X-Ray 
- ☐ D. AWS Identity and Access Management (AWS IAM)

Explanation:

Answer – B

AWS CloudTrail is an AWS service that helps you enable governance, compliance, and operational and risk auditing of your AWS account. Actions taken by a user, role, or an AWS service are recorded as events in CloudTrail. Events include actions taken in the AWS Management Console, AWS Command Line Interface, and AWS SDKs and APIs.

Visibility into your AWS account activity is a key aspect of security and operational best practices. You can use CloudTrail to view, search, download, archive, analyze, and respond to account activity across your AWS infrastructure. You can identify who or what took which action, what resources were acted upon, when the event occurred, and other details to help you analyze and respond to activity in your AWS account.

You can integrate CloudTrail into applications using the API, automate trail creation for your organization, check the status of trails you create, and control how users view CloudTrail events.

For more information on AWS CloudTrail, please visit the link:


- <https://docs.aws.amazon.com/awsccloudtrail/latest/userguide/cloudtrail-user-guide.html>

Option A is incorrect. Amazon CloudWatch is used to monitor performance.

Option C is incorrect. AWS X-Ray is a tracing system for distributed applications.

Option D is incorrect. Amazon IAM is an identity and access management service.

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