

SET 13

Total points 37/50 ?

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Questions

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- ✓ A company uses Amazon Workspaces. According to the AWS shared responsibility model, Which task is the responsibility of AWS? 1/1
- ☐ Provide security for workspaces user accounts through AWS Identity and Access Management (IAM).
 - ☐ Configure AWS CloudTrail to log API calls and user activity.
 - ☐ Set up multi-factor authentication (MFA) for each workspaces user account.
 - ☒ Ensure the environmental safety and security of the AWS infrastructure that hosts workspaces. ✓

✓ You are tasked with finding a low-cost long-term solution for data backups. 1/1
Which AWS service would you choose as a solution ?

- ☐ Amazon EBS
- ☐ Amazon RDS
- ☒ Amazon S3 Glacier
- ☐ AWS Snowball



✗ A Company is deploying a new 2 tier web application in AWS. Where should the most frequently accessed data be stored so that the application's response time is optimal? 0/1

- ☒ AWS Storage Gateway
- ☐ Amazon EBS volume
- ☐ AWS OpsWorks
- ☐ Amazon ElasticCache



Correct answer

- ☒ Amazon ElasticCache

✓ Which of the following is AWS responsibility in the AWS Shared responsibility model? 1/1

- ☐ Updating the Security group rules to block traffic to vulnerable ports.
- ☐ Updating the network ACL's to block traffic to vulnerable ports.
- ☒ Updating the firmware of the underlying EC2 hosts.
- ☐ Patching Operating system running on Amazon EC2 instances.



✓ You have deployed your application on multiple Amazon EC2 instances. 1/1
Your customer complain that sometimes they can't reach the application.
Which AWS service allows you to monitor the performance of your EC2
instances to assist in troubleshooting these issues?

- ☐ AWS CloudTrail.
- ☐ AWS Config
- ☒ Amazon CloudWatch
- ☐ AWS Lambda



✗ John is setting up the infrastructure for a web application that requires 0/1
multiple EC2 instances to handle the expected demand however when
testing the application he discovers all the traffic is routed to only one of
the servers. Which AWS feature should he add to his application in order to
evenly distribute traffic among all servers?

- ☒ Auto Scaling.
- ☐ Elastic Load Balancer.
- ☐ Route 53
- ☐ Amazon CloudFront.



Correct answer

- ☒ Elastic Load Balancer.

✓ Which of the following services can be used to investigate and analyze the root cause of potential security threat to AWS resources? 1/1

- ☐ AWS Shield
- ☒ Amazon Detective
- ☐ Amazon GuardDuty
- ☐ AWS Security Hub



✓ A business wants to provide a user access to an Amazon S3 bucket. Which element of S3 bucket policy contains information about the users who needs access to the Bucket? 1/1

- ☒ Principal
- ☐ Action
- ☐ Resource
- ☐ Effect



✓ Which of the following AWS service or feature allows users to connect with and deploy AWS services programmatically? 1/1

- ☐ AWS Cloud9
- ☐ AWS Management Console
- ☐ AWS CodePipeline
- ☒ AWS software development kits (SDKs)



✓ Which AWS Service can be used for building and integrating loosely coupled distributed applications? 1/1

- ☐ Amazon EBS
- ☒ Amazon SNS
- ☐ Amazon EFS
- ☐ Amazon RDS



✓ Which of the following components of the AWS infrastructure consists of one or more discrete data centers interconnected through low latency links? 1/1

- ☐ Edge Location
- ☒ Availability Zone
- ☐ Region
- ☐ AWS PrivateLink



✗ A number of large objects from different geographical locations need to be uploaded to an S3 bucket. Which is the fastest and most reliable way to accomplish this? 0/1

- ☐ You can directly access the S3 bucket from the different locations and use a multi part upload for transferring huge objects.
- ☐ You can use S3 Transfer acceleration from each geographic location for transferring data quickly.
- ☒ You can use a Direct Connect link from each of the geographic location for transferring data quickly. ✗
- ☐ You can connect to an application running on AWS EC2 that is hosted in multiple regions using Route 53 and use latency based routing to upload files to S3 Bucket

Correct answer

- ☒ You can use S3 Transfer acceleration from each geographic location for transferring data quickly.

✓ Choose the best Amazon Route 53 routing policy that can route traffic to multiple resources based on the end user's location? 1/1

- ☐ Fail over Routing Policy
- ☐ Simple Routing Policy
- ☐ Latency Routing Policy
- ☒ Geolocation Routing Policy ✓

✓ How can a company configure automatic, asynchronous copying of objects in Amazon S3 buckets across regions ? 1/1

- ☒ Using cross-region replication.
- ☐ By configuring multi master replication.
- ☐ Using lifecycle actions
- ☐ This is done by default by AWS



✗ Your Management is looking to deploy a shared file access on AWS. 0/1
Hundreds of EC2 instances will access the file system simultaneously and will need petabytes of data storage. Which AWS Service is best option in this case?

- ☐ Amazon EC2
- ☐ Amazon EBS
- ☐ Amazon EFS
- ☒ Amazon S3



Correct answer

- ☒ Amazon EFS

✗ Which of the following AWS services can an organization use to automate operational tasks on EC2 instances using existing Chef cookbooks? 0/1

- ☐ AWS Config
- ☒ AWS Service Catalog
- ☐ AWS OpsWorks
- ☐ AWS CodeDeploy

✗

Correct answer

- ☒ AWS OpsWorks

✓ A Company wants to launch its workload on AWS and requires the system to automatically recover from failure. Which pillar of the AWS Well-Architected Framework includes this requirement? 1/1

- ☐ Operational excellence
- ☐ Performance efficiency
- ☒ Reliability
- ☐ Cost optimization

✓

✗ Your Web application is deployed in the Ohio Region. The Website is now planned to be distributed to other regions, and you plan to use CloudFront for Global distribution. What statements about CloudFront are false (Choose two)? 0/1

- ☐ CloudFront can help improve performance by using keep-alive connections between edge locations and origin server
- ☒ CloudFront uses the concept of edge locations for caching and delivering content faster for its users. ✓
- ☒ CloudFront doesn't cache dynamic content. ✗
- ☐ CloudFront can use only S3 buckets as their Origin Server from where they cache content

Correct answer

- ☒ CloudFront uses the concept of edge locations for caching and delivering content faster for its users.
- ☒ CloudFront can use only S3 buckets as their Origin Server from where they cache content

✗ A developer wants to use an Amazon S3 bucket to store application logs that contain sensitive data. Which AWS service or feature should the developer use to restrict read and write access to the S3 bucket? 0/1

- ☐ Security groups
- ☐ Amazon CloudWatch
- ☐ ACLS
- ☒ AWS CloudTrail ✗

Correct answer

- ☒ ACLS

✓ Which of the following AWS services lets connected devices easily and securely interact with cloud applications and other devices ? 1/1

- ☒ AWS IoT Core
- ☐ Amazon SNS
- ☐ AWS Directory Service
- ☐ Amazon Cognito



✓ Which Service provides a virtually unlimited amount of online highly durable object storage? 1/1

- ☒ Amazon S3
- ☐ Amazon Redshift
- ☐ Amazon Elastic Container Service (ECS)
- ☐ Amazon Elastic File System (EFS)



✓ Which of the following is a secure, isolated networking component that can be used to host EC2 resources in the AWS Cloud? 1/1

- ☒ AWS VPC
- ☐ AWS EKS
- ☐ AWS NACL
- ☐ AWS ECS



✗ Which AWS service or tool should a company use to centrally request and track service limit increases? 0/1

- ☒ AWS Service Catalog
- ☐ AWS Budgets
- ☐ AWS Config
- ☐ Service Quotas



Correct answer

- ☒ Service Quotas

✓ Which feature of AWS allows you to deploy a new application for which the requirements may change over time? 1/1

- ☐ Operational Excellence
- ☐ High Availability
- ☐ Fault Tolerance
- ☒ Elasticity



✓ A Company plans to migrate its custom marketing and order processing application to AWS. The Company needs to deploy the application on different type of instances with various configurations of CPU, memory and networking capacity. Which AWS Service should the company use to meet these requirements? 1/1

- ☐ Amazon Athena
- ☒ Amazon EC2
- ☐ AWS Lambda
- ☐ Amazon Cognito



✓ Which of the following features can be used to preview the changes to be made to an AWS resource when using the AWS CloudFormation template ? 1/1

- ☐ AWS CloudFormation Stack Sets
- ☒ AWS CloudFormation Change Sets
- ☐ AWS CloudFormation Drift Detection
- ☐ AWS CloudFormation Intrinsic Functions



✗ Which methods can be used to identify AWS costs by departments? 0/1
(Choose two)

- ☒ Create separate accounts for each department. ✓
- ☐ Use reserved instances where possible.
- ☒ Enable multi factor authentication for root user. ✗
- ☐ Use tags to associate each instance with a particular department.
- ☐ Pay bills using purchase orders

Correct answer

- ☒ Create separate accounts for each department.
- ☒ Use tags to associate each instance with a particular department.

✓ A Company wants to setup a Domain Name System (DNS) record for its application with a failover routing policy that is based on health checks. Which AWS Service or resource should the company use to achieve this goal? 1/1

- ☐ Amazon Kendra
- ☐ Application Load Balancer.
- ☒ Amazon Route 53 ✓
- ☐ AWS WAF.

✓ A user is able to setup a master payer account to view consolidated billing 1/1
using which of the following AWS service ?

- ☐ AWS Budgets
- ☐ Amazon Macie
- ☒ AWS Organizations
- ☐ Amazon QuickSight



✓ Which AWS Service provides a simple and scalable shared file storage 1/1
solution for use with Linux based AWS and on-premise servers?

- ☐ Amazon S3
- ☐ Amazon Glacier
- ☐ Amazon EBS
- ☒ Amazon EFS



✓ What can be termed as a user defined label that has a key value pair of 1/1
variable character length which is assigned to AWS resources as metadata
for administration and management purposes?

- ☐ Tag Key
- ☐ Resource Flag
- ☒ Resource Tag
- ☐ Resource Group



✓ What approach of transcoding a large number of individual Video files adheres to AWS architecture principles? 1/1

- ☒ Using many instances in parallel.
- ☐ Using dedicated hardware.
- ☐ Using a single large instance during off-peak hours.
- ☐ Using a large GPU instance type



✓ A company has a single Amazon EC2 instance. The company wants to adopt a highly available architecture. What can the company do to meet this requirement? 1/1

- ☐ Change the EC2 instance family to a compute optimized instance.
- ☐ Scale vertically to a larger EC2 instance size.
- ☒ Scale horizontally across multiple Availability Zones.
- ☐ Purchase an EC2 Dedicated Instance.



✗ Which of the following disaster recovery scenario offers the lowest possibility of down time? 0/1

- ☒ Backup and restore
- ☐ Warm Standby
- ☐ Pilot light
- ☐ Multi site Active-Active



Correct answer

- ☒ Multi site Active-Active

✓ Which AWS Service allows you to use block based volumes on-premise that are then asynchronously backed up to Amazon S3 ? 1/1

- ☒ AWS Storage gateway volume gateway
- ☐ AWS Storage gateway File gateway
- ☐ Amazon S3 Transfer acceleration
- ☐ Amazon S3 Multi part upload



✓ A company is developing a mobile app that needs a high-performance NoSQL database. Which AWS services could the company use for this database? (Choose two.) 1/1

- ☐ Amazon RDS
- ☐ Amazon Aurora
- ☒ Amazon DocumentDB (with MongoDB compatibility)
- ☐ Amazon Redshift
- ☒ Amazon DynamoDB



✓ Which AWS Service can be used to automate the provisioning of infrastructure and administrative tasks for an analytical data warehouse? 1/1

- ☒ Amazon Redshift
- ☐ Amazon SageMaker
- ☐ Amazon Open Search
- ☐ Amazon QuickSight



✓ Which of the following AWS service uses edge locations?

1/1

- ☒ AWS Global Accelerator
- ☐ Amazon Connect
- ☐ Amazon Aurora
- ☐ AWS Outposts



✓ A company is preparing to launch a new web store that is expected to receive high traffic for an upcoming event. The web store runs only on AWS, and the company has an AWS Enterprise Support plan. Which AWS resource will provide guidance about how the company should scale its architecture and operational support during the event?

1/1

- ☐ The designated AWS technical account manager (TAM)
- ☐ AWS Abuse team
- ☐ AWS Professional Services
- ☒ AWS infrastructure event management



✗ Which two functions can be performed using Amazon Route 53 (Choose two)? 0/1

- ☐ Connect user requests to AWS infrastructure
- ☒ Create and manage cryptographic keys ✗
- ☒ Transfer DNS records for domain names from other registrars. ✓
- ☐ Connect an On-Premises data center directly to AWS via fibre optic cables

Correct answer

- ☒ Connect user requests to AWS infrastructure
- ☒ Transfer DNS records for domain names from other registrars.

✓ What tasks should a customer perform when they suspect an AWS account has been compromised? (Choose two) 1/1

- ☐ Remove MFA tokens.
- ☒ Rotate password and access keys. ✓
- ☐ Move resources to a different AWS region.
- ☐ Delete AWS CloudTrail logs.
- ☒ Contact AWS Support ✓

✓ How do Amazon EC2 auto scaling help achieve high availability for a Web application? 1/1

- ☐ They enable the application's static content to reside closer to end users.
- ☐ They automatically add more instances across multiple AWS regions based on global demand on the application.
- ☐ They are able to distribute incoming requests across a tier of web server instances.
- ☒ They automatically add or replace instances across multiple Availability Zones when the applications needs it. ✓

✓ How can a database administrator reduce the operational overhead for a MySQL database? 1/1

- ☐ Migrate the database onto an Amazon EC2 instance.
- ☐ Use AWS CloudFormation to manage operations
- ☐ Migrate the database onto AWS Lambda
- ☒ Migrate the database onto Amazon RDS Instance ✓

✓ A company wants to migrate a critical application to AWS. The application has a short runtime. The application is invoked by changes in data or by shifts in system state. The company needs a compute solution that maximizes operational efficiency and minimizes the cost of running the application. Which AWS solution should the company use to meet these requirements? 1/1

- ☒ AWS Lambda ✓
- ☐ Amazon EC2 Reserved Instances
- ☐ Amazon EC2 Spot Instances
- ☐ Amazon EC2 On-Demand Instances

✓ A company wants to limit its employees AWS access to a portfolio of predefined AWS resources. Which AWS solution should the company use to meet this requirement? 1/1

- ☐ AWS software development kits (SDKs)
- ☒ AWS Service Catalog
- ☐ AWS AppSync
- ☐ AWS Config



✗ How does the AWS Cloud pricing model differ from the traditional on-premises storage pricing model? 0/1

- ☐ There are no upfront cost commitments
- ☒ There are no infrastructure operating costs
- ☐ AWS resources do not incur costs
- ☐ There are no software licensing costs



Correct answer

- ☒ There are no upfront cost commitments

✓ Which of the following is AWS sole responsibility when talking about AWS Shared responsibility model? 1/1

- ☐ Managing IAM policies
- ☒ Physical Data Center Security
- ☐ Amazon S3 Bucket policies
- ☐ Auditing AWS CloudTrail logs



✗ A company plans to create a data lake that uses Amazon S3. Which factor will have the MOST effect on cost? 0/1

- ☐ Charges to transfer existing data into Amazon S3
- ☐ The selection of S3 storage tiers
- ☒ S3 ingest fees for each request
- ☐ The addition of S3 bucket policies

✗

Correct answer

- ☒ The selection of S3 storage tiers

✓ A retail company is building a new mobile app. The company is evaluating whether to build the app at an on-premises data center or in the AWS Cloud. Which of the following are benefits of building this app in the AWS Cloud? (Choose two.) 1/1

- ☐ Complete control over the physical security of the infrastructure
- ☒ Flexibility to scale up in minutes as the application becomes popular
- ☐ Ability to pick the specific data centers that will host the application servers
- ☒ Increased speed for trying out new projects
- ☐ A large, upfront capital expense and low variable expenses

✓

✓

- ✓ A Weather tracking website monitors the weather along the flight route. 1/1
This information is used by travelers around the world to plan their trip. Travelers are expecting quick turnaround time when booking flights and viewing the weather. The website is using AWS Route 53 DNS. What is the best routing policy for the website?
- ☐ Failover routing policy
 - ☐ Geolocation routing policy
 - ☒ Latency based routing policy ✓
 - ☐ Weighted routing policy

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