SET 10

Total points 46/50 ?

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0 of 0 points

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Questions   **46 of 50 points**

✓ **Which scenarios represent the concept of elasticity on AWS? (Choose two)** 1/1

☑ Scaling the number of Amazon EC2 instances based on traffic   ✓

☑ Resizing Amazon RDS instances as business needs change   ✓

☐ Automatically directing traffic to less-utilized Amazon EC2 instances

☐ Using AWS compliance documents to accelerate the compliance process

☐ Having the ability to create and govern environments using code

✓ A company wants to use AWS Managed Services (AMS) for operational   1/1
support and wants to understand the scope of AMS.
Which AMS feature will meet these requirements?

◉ Landing zone and network management   ✓

○ Customer application development

○ DevSecOps pipeline configuration

○ Application log monitoring

✓ Which complimentary AWS service or tool creates data driven business   1/1
cases for cloud planning?

◉ Migration Evaluator   ✓

○ AWS Billing Conductor

○ AWS Billing Console

○ Amazon Forecast

✗ Which of the following are general AWS Cloud design principles described   0/1
in the AWS Well-Architected Framework? (Choose two)

☑ Consolidate key components into monolithic architectures   ✗

☑ Test systems at production scale   ✓

☐ Provision more capacity than a workload is expected to need

☐ Drive architecture design based on data collected about the workload

Correct answer

☑ Test systems at production scale

☑ Drive architecture design based on data collected about the workload

✓ A company needs a bridge between technology and business to help   1/1
evolve to a culture of continuous growth and learning.

Which perspective in the AWS Cloud Adoption Framework (AWS CAF)
serves as this bridge?

⦿ People   ✓

○ Governance

○ Operations

○ Security

✓ A company wants to optimize tong-term compute costs of AWS Lambda   1/1
functions and Amazon EC2 instances. Which AWS purchasing option
should the company choose to meet these requirements?

○ Dedicated Hosts

⦿ Compute Savings Plans   ✓

○ Reserved Instances

○ Spot Instances

✓ A company is migrating to the AWS Cloud and wants to optimize the use of 1/1
its current software licenses. Which AWS services, features, or purchasing
options can the company use to meet these requirements? (Choose two)

☑ Amazon EC2 Dedicated Hosts   ✓

☐ Savings Plans

☑ AWS License Manager   ✓

☐ AWS Budgets

✓ **Which AWS Cloud Adoption Framework (AWS CAF) capabilities belong to the governance perspective? (Choose two)**   1/1

☑ Program and project management   ✓

☐ Product management

☐ Portfolio management

☑ Risk management   ✓

☐ Event management

✕ **Which AWS services can a company use to host and run a MySQL database? (Choose two)**   0/1

☑ Amazon RDS   ✓

☐ Amazon DynamoDB

☑ Amazon S3   ✕

☐ Amazon EC2

☐ Amazon-MQ

Correct answer

☑ Amazon RDS

☑ Amazon EC2

✓ A company needs Amazon EC2 instances for a workload that can tolerate   1/1
interruptions. Which EC2 instance purchasing option meets this
requirement with the LARGEST discount compared to On-Demand prices?

◉ Spot Instances   ✓

○ Convertible Reserved Instances

○ Standard Reserved Instances

○ Dedicated Hosts

✓ A company is using AWS Organizations to configure AWS accounts. Which   1/1
design principle is a best practice for the company to implement?

◉ Organize accounts based on security and operational needs   ✓

○ Assign multiple sets of related workloads to each production account

○ Deploy workloads to the organization's management account

○ Combine production workloads and non-production workloads

✓ A company needs a data warehouse for analytical workloads. The data   1/1
warehouse must support standard SQL queries. Which AWS service meets
these requirements?

○ Amazon-EMR

○ Amazon Athena

◉ Amazon Redshift   ✓

○ Amazon RDS

✓ Which option is AWS responsible for under the AWS shared responsibility   1/1
model?

◯ Network and firewall configuration

◯ Client-side data encryption

◯ Management of user permissions

◉ Hardware and infrastructure   ✓

✓ A company wants to define a central data protection policy that works   1/1
across AWS services for compute, storage, and database resources.
Which AWS service will meet this requirement?

◯ AWS Batch

◯ AWS Elastic Disaster Recovery

◉ AWS Backup   ✓

◯ Amazon FSx

✓ A company needs to categorize and track AWS usage cost based on   1/1
business categories.

Which AWS service or feature should the company use to meet these
requirements?

◉ Cost allocation tags   ✓

◯ AWS Organizations

◯ AWS Security Hub

◯ AWS Cost and Usage Report

✓ Which AWS solution provides the ability for a company to run AWS services 1/1
in the company's on-premises data center?

○ AWS Direct Connect

◉ AWS Outposts   ✓

○ AWS Systems Manager hybrid activations

○ AWS Storage Gateway

✓ Which AWS service is designed to help users build conversational   1/1
interfaces into applications using voice and text?

◉ Amazon Lex   ✓

○ Amazon Transcribe

○ Amazon Comprehend

○ Amazon Timestream

✓ A company wants to migrate its on-premises NoSQL workload to Amazon   1/1
DynamoDB.

Which AWS service will meet this requirement?

○ AWS Migration Hub

◉ AWS Database Migration Service (AWS DMS)   ✓

○ Migration Evaluator

○ AWS Application Migration Service

✓ A company is in the process of finding correct Amazon EC2 instance types   1/1
and sizes to meet its performance and capacity requirements. The
company wants to find the lowest possible cost.

Which option accurately characterizes the company's actions?

○ Auto Scaling

○ Storage tiering

⦿ Rightsizing   ✓

○ Instance scheduling

✓ A company is launching a mobile app in the AWS Cloud. The company   1/1
wants the app's users to sign in through social media identity providers
(dPs), Which AWS service will meet this requirement?

○ AWS Lambda

⦿ Amazon Cognito   ✓

○ AWS Secrets Manager

○ Amazon CloudFront

✓ A company encourages its teams to test failure scenarios regularly and to   1/1
validate their understanding of the impact of potential failures. Which pillar
of the AWS Well-Architected Framework does this philosophy represent?

⦿ Operational excellence   ✓

○ Cost optimization

○ Performance efficiency

○ Security

✓   Which AWS service or tool gives users the ability to connect with AWS and   1/1
deploy resources programmatically?

○   Amazon QuickSight

○   AWS PrivateLink

○   AWS Direct Connect

◉   AWS SDKs   ✓

✓   Which option is a responsibility of AWS under the AWS shared   1/1
responsibility model?

○   Application data security

○   Patch management for applications that run on Amazon EC2 instances

◉   Patch management of the underlying infrastructure for managed services   ✓

○   Application identity and access management

✓   A company wants a report that lists the status of multi-factor   1/1
authentication (MFA) devices that all users in the company's AWS account
use.

Which AWS feature or service will meet this requirement?

○   AWS Cost and Usage reports

◉   IAM credential reports   ✓

○   Detailed Billing Reports - DAWS Cost Explorer reports

✓ Which AWS resource can help a company reduce its cost in exchange for a 1/1
usage commitment when using Amazon EC2 instances?

🔘 Compute savings plans   ✓

⚪ Auto scaling group

⚪ On demand instance

⚪ EC2 instance store

✓ A user is moving a workload from a local data center to an architecture   1/1
that is distributed between the local data center and the AWS Cloud. Which
type of migration is this?

☐ On-premises to cloud native

☐ Hybrid to cloud native

☑ On-premises to hybrid   ✓

☐ Cloud native to hybrid

✓ A company seeks cost savings in exchange for a commitment to use a   1/1
specific amount of an AWS service or category of AWS services for 1 year
or 3 years. Which AWS pricing model or offering will meet these
requirements?

⚪ Pay-as-you-go pricing

🔘 Savings Plans   ✓

⚪ AWS Free Tier

⚪ Volume discounts

✓ A company wants a key-value NoSQL database that is fully managed and   1/1
serverless. Which AWS service will meet these requirements?

◉ Amazon DynamoDB   ✓

◯ Amazon RDS

◯ Amazon Aurora

◯ Amazon-MemoryDB for Redis

✓ A global company wants to use a managed security service for protection   1/1
from SOl injection attacks. The service also must provide detailed logging
information about access to the company's ecommerce applications.
Which AWS service will meet these requirements?

◯ AWS Network Firewall

◯ Amazon RDS for SQL Server

◯ Amazon Guard Duty

◉ AWS WAF   ✓

✓ A company wants to use machine learning capabilities to analyze log data   1/1
from its Amazon EC2 instances and efficiently conduct security
investigations.

Which AWS service will meet these requirements?

◯ Amazon Inspector

◯ Amazon QuickSight

◉ Amazon Detective   ✓

◯ Amazon GuardDuty

✓ A company wants to use guidelines from the AWS Well-Architected 1/1
Framework to limit human error and facilitate consistent responses to
events. Which of the following is a Well-Architected design principle that
will meet these requirements?

○ Use AWS Code Deploy

◉ Perform operations as code ✓

○ Migrate workloads to a Dedicated Host

○ Use AWS Compute Optimizer

✓ A company needs to run some of its workloads on premises to comply 1/1
with regulatory guidelines.

The company wants to use the AWS Cloud to run workloads that are not
required to be on premises.

The company also wants to be able to use the same API calls for the on-
premises workloads and the cloud workloads. Which AWS service or
feature should the company use to meet these requirements?

○ Dedicated Hosts

◉ AWS Outposts ✓

○ Availability Zones

○ AWS Wavelength

✓   A company distributes traffic evenly among a fleet of Amazon EC2   1/1
    instances. The EC2 instances must accommodate unpredictable increases
    in traffic. Which benefit does the AWS Cloud provide to meet this
    requirement?

◉ Scalability   ✓

○ Resilience

○ Security

○ Agility

✓   A company wants its Amazon EC2 instances to provide a low-latency static 1/1
    website to global users. What should the company do to meet this
    requirement?

○ Use the EC2 instances in multiple edge locations

○ Use an Application Load Balancer with the EC2 instances configured as the target

○ Use the EC2 instances in the same Availability Zone-but in different AWS Regions

◉ Use Amazon Cloud Front with the EC2 instances configured as the source   ✓

✓ A company provides a web-based ecommerce service that runs in two   1/1
Availability Zones within a single AWS Region. The web service distributes
content that is stored in the Amazon S3 Standard storage class. The
company wants to improve the web service's performance globally. What
should the company do to meet this requirement?

○ Change the S3 storage class to S3 Intelligent-Tiering.

⦿ Deploy an Amazon CloudFront distribution to cache web server content in edge ✓
locations

○ Use Amazon API Gateway for the web service.

○ Migrate the website ecommerce servers to Amazon EC2 with enhanced
networking.

✓ A company wants guidance to optimize the cost and performance of its   1/1
current AWS environment.
Which AWS service or tool should the company use to identify areas for
optimization?

○ Amazon-QuickSight

⦿ AWS TrustedAdvisor   ✓

○ AWS Organizations

○ AWS Budgets

✓ Which AWS Well-Architected Framework pillar focuses on structured and   1/1
streamlined allocation of computing resources?

○ Reliability

○ Operational excellence

◉ Performance efficiency   ✓

○ Sustainability

✓ Which AWS service or tool will monitor AWS resources and applications in   1/1
real time?

○ AWS Trusted Advisor

◉ Amazon CloudWatch   ✓

○ AWS CloudTrail

○ AWS Cost Explorer

✓ Which perspective in the AWS Cloud Adoption Framework (AWS CAF)   1/1
includes a capability for well-designed data and analytics architecture?

○ Security

○ Governance

○ Operations

◉ Platform   ✓

✕   A company wants to manage sign-in security for workforce users. The   0/1
      company needs to create workforce users and centrally manage their
      access across all the company's AWS accounts and applications.

      Which AWS service will meet these requirements?

○   AWS Audit Manager

○   Amazon Cognito

◉   AWS Security Hub   ✕

○   AWS IAM Identity Center (AWS Single Sign-On)

Correct answer

◉   AWS IAM Identity Center (AWS Single Sign-On)

✕   Which AWS service or resource can identify and provide reports on IAM   0/1
      resources in one AWS account that is shared with another AWS account?

◉   IAM credential report   ✕

○   AWS IAM Identity Center (AWS Single Sign-On)

○   AWS Identity and Access Management Access Analyzer

○   Amazon Cognito user pool

Correct answer

◉   AWS Identity and Access Management Access Analyzer

✓ A company is preparing to launch a redesigned website on AWS Users   1/1
from around the world will download digital handbooks from the website.
Which AWS solution should the company use to provide these static files
securely?

○ Amazon Kinesis Data Streams

◉ Amazon CloudFront with Amazon S3   ✓

○ Amazon EC2 instances with an Application Load Balancer

○ Amazon Elastic File System (Amazon EFS)

✓ Which options are AWS Cloud Adoption Framework (AWS CAF) people   1/1
perspective capabilities? (Choose two)

☑ Organizational alignment   ✓

☐ Portfolio management

☑ Organization design   ✓

☐ Risk management

☐ Modern application development5

✓ A company wants its Amazon EC2 instances to share the same geographic 1/1
area but use redundant underlying power sources. Which solution will meet
these requirements?

◉ Use EC2 instances across multiple Availability Zones in the same AWS Region ✓

○ Use Amazon Cloud Front as the database for the EC2 instances

○ Use EC2 instances in the same edge location and the same Availability Zone

○ Use EC2 instances in AWS OpsWorks stacks in different AWS Regions

✓ A company is setting up AWS Identity and Access Management (IAM) on   1/1
an AWS account. Which recommendation complies with IAM security best
practices?

◯ Use the account root user access keys for administrative tasks

◯ Grant broad permissions so that all company employees can access the resources
they need

◉ Turn on multi-factor authentication (MFA) for added security during the login   ✓
process

◯ Avoid rotating credentials to prevent issues in production applications

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✓ A company wants to deploy a non-containerized Java-based web   1/1
application on AWS. The company wants to use a managed service to
quickly deploy the application. The company wants the service to
automatically provision capacity, load balance, scale, and monitor
application health.

Which AWS service will meet these requirements?

◯ Amazon Elastic Container Service (Amazon ECS)

◯ AWS Lambda

◯ Amazon Elastic Kubernetes Service (Amazon EKS)

◉ AWS Elastic Beanstalk   ✓

✓   Which AWS Cloud Adoption Framework (AWS CAF) capability belongs to   1/1
    the business perspective?

○   Program and project management

◉   Data science   ✓

○   Change and release management

○   . Observability

✓   A company has deployed a web application to Amazon EC2 instances. The 1/1
    EC2 instances have low usage.

    Which AWS service or feature should the company use to rightsize the EC2
    instances?

○   AWS Config

○   AWS Cost Anomaly Detection

○   AWS Budgets

◉   AWS Compute Optimizer   ✓

✓ Which tasks are customer responsibilities, according to the AWS shared responsibility model?

(Choose two)

1/1

✅ Configure the AWS provided security group firewall ✓

✅ Classify company assets in the AWS Cloud ✓

☐ Determine which Availability Zones to use for Amazon S3 buckets

☐ Patch or upgrade Amazon DynamoDB

☐ Select Amazon EC2 instances to run AWS Lambda on

✓ Which cloud concept is demonstrated by using AWS Cost Explorer? 1/1

◉ Rightsizing ✓

◯ Reliability

◯ Resilience

◯ Modernization

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