SET 3

Total points 41/53 ❓

Email *

07yamini2055@gmail.com

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Name *

Ira Chand

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✓ **What is the MOST secure way to store passwords on AWS?**   1/1

○ Store passwords in Amazon S3 bucket

○ Store passwords as AWS CLoudFormation parameters

○ Store passwords in AWS Storage Gateway

◉ Store passwords in AWS Secrets Manager   ✓

✓ A company has batch workloads that need to run for short periods of time 1/1
on Amazon EC2. The workloads can handle interruptions and can start
again from where they are ended.
What is the MOST cost-effective EC2 instance purchasing option to meet
these requirements?

○ Reserved Instances

◉ Spot Instances ✓

○ On-Demand Instances

○ Dedicated Instances

✗ Which AWS Support plan provides the full set of AWS Trusted Advisor 0/1
checks at the LOWEST cost?

◉ AWS Developer Support ✗

○ AWS Business Support

○ AWS Enterprise On-Ramp Support

○ AWS Enterprise Support

Correct answer

◉ AWS Business Support

✓ An independent software vendor wants to deliver and share its custom Amazon Machine Images (AMIs) to prospective customers.
Which AWS service will meet these requirements?

1/1

⦿ AWS Marketplace ✓

◯ AWS Data Exchange

◯ Amazon EC2

◯ AWS Organizations

✓ Which component must be attached to a VPC to enable inbound internet access?

1/1

◯ NAT gateway

◯ VPC endpoint

◯ VPN connection

⦿ Internet gateway ✓

✓ A company's employees are working from home. The company wants its employees to use their personal devices to connect to a managed workstation in the AWS Cloud.
Which AWS service should the company use to provide the remote environment?

1/1

⦿ Amazon Workspace ✓

◯ AWS Cloud9

◯ AWS Outposts

◯ AWS Lightsail

✗ A company wants to rightsize its Amazon EC2 instances. 0/1
Which configuration change will meet this requirement with the LEAST
operational overhead?

○ Add EC2 instances in another AZ

○ Change the size and type of the EC2 instances based on utilization

⦿ Convert the payment method from On-Demand to Savings Plan   ✗

○ Reprovision the EC2 instances with a larger instance type

Correct answer

⦿ Change the size and type of the EC2 instances based on utilization

✓ An ecommerce company plans to move its data center workload to the 1/1
AWS Cloud to support highly dynamic usage patterns.
Which benefits make the AWS Cloud cost-effective for the migration of this
type of workload? (Choose two)

☐ Reliability

☐ Security

☑ Elasticity   ✓

☑ Pay-as-yo-go resource   ✓

☐ High availability

✓ **Which guidelines are best practices for using AWS Identity and Access Management (IAM)? (Choose two)**   1/1

- ☐ Share access keys

- ☑ Create individual IAM users   ✓

- ☐ Use inline policies instead of customer managed policies

- ☐ Grant maximum privileges to IAM users

- ☑ Use groups to assign permissions to IAM users   ✓

✓ **An ecommerce company wants to distribute traffic between the Amazon EC2 instances that host its website.**
Which AWS service or resource will meet these requirements?   1/1

- ◉ Application Load Balancer   ✓

- ○ AWS WAF

- ○ AWS CloudHSM

- ○ AWS Direct Connect

✗ Which advantage of cloud computing allows user to scale resources up   0/1
and down based on the amount of load that an application supports?

○ Go global in minutes

○ Stop guessing capacity

◉ Benefit from massive economies of scale   ✗

○ Trade fixed expenses for variable expense

Correct answer

◉ Stop guessing capacity

✓ A systems administrator wants to monitor the CPU utilization of a   1/1
company Amazon EC2 instances.
Which AWS service can provide this information?

○ AWS Config

○ AWS Trusted Advisor

○ AWS Cloudtrail

◉ Amazon CloudWatch   ✓

✓ Which AWS Cloud design principle is a company using when the company   1/1
implements AWS CloudTrail?

◉ Activate traceability   ✓

○ Use serverless compute architecture

○ Perform operations as code

○ Go global in minutes

✕   **Which of the following can the AWS Pricing Calculator do?**   0/1

○   Project monthly AWS costs

○   Calculate historical AWS costs

○   Provide in-depth information about AWS pricing strategies

◉   Provide users with access to their monthly bills   ✕

Correct answer

◉   Project monthly AWS costs

✓   **A company is hosting a web application on Amazon EC2 instances. The**   1/1
    company wants to implement custom conditions to filter and control
    inbound web traffic.
    Which AWS service will meet these requirements?

○   Amazon GuardDuty

◉   AWS WAF   ✓

○   Amazon Macie

○   AWS Shield

✓   **Which benefit of the AWS Cloud helps companies achieve lower usage**   1/1
    costs because of the aggregate usage of all AWS users?

○   No need to guess capacity

○   Ability to go global in minutes

◉   Economies of scale   ✓

○   Increased speed and agility

✓ A user wants to invoke an AWS Lambda function when an Amazon EC2   1/1
  instance enters the 'stopping' state.
  Which AWS service is appropriate for this use case?

○ Amazon EventBridge   ✓

○ AWS Config

○ Amazon Simple Notification Service (Amazon SNS)

○ AWS CloudFormation

✓ A company is requesting Payment Card Industry (PCI) reports that validate 1/1
  the operating effectiveness of AWS security controls.
  How should the company obtain these reports?

○ Contact AWS Support

● Download reports from AWS Artifact   ✓

○ Download reports from AWS Security Hub

○ Contact an AWS technical account manager (TAM)

✕ A company uses Amazon Aurora as its database service. The company   0/1
wants to encrypt its database and database backups.
Which party manages the encryption of the database clusters and
database snapshots, according to the AWS shared responsibility model?

○ AWS

○ The company

○ AWS Marketplace partners

◉ Third-party partners   ✕

Correct answer

◉ The company

✓ Which task is the customer's responsibility, according to the AWS shared   1/1
responsibility model?

◉ Patch a guest operating system that is deployed on an Amazon EC2 instance   ✓

○ Control physical access to an AWS data center

○ Control access to AWS underlying hardware

○ Patch a host operating system that is deployed on Amazon S3

✓ A company wants to implement detailed tracking of its cloud costs by department and project.
Which AWS feature or service should the company use?

1/1

○ Consolidated billing

◉ Cost allocation tags ✓

○ AWS Marketplace

○ AWS Budgets

✓ An AWS user wants to proactively detect when an instance or account might be compromised or if there are threats from attacks.
Which AWS service should the user choose?

1/1

◉ Amazon GuardDuty ✓

○ AWS WAF

○ AWS Shield

○ Amazon Inspector

✓ Which AWS service provides DNS resolution?

1/1

○ Amazon CloudFront

○ Amazon VPC

◉ Amazon Route 53 ✓

○ AWS Direct Connect

✓   A company has temporary workload that is also variable. The company   1/1
    needs to use Amazon EC2 instances for the workload. The EC2 instances
    need to handle short bursts of work that cannot stop before finishing.
    Which purchase option will meet these requirements?

○   Spot Instances

⦿   On-Demand Instances   ✓

○   Saving Plan

○   Reserved Instances

✗   Which AWS solution gives companies the ability to use protocols such as   0/1
    NFS to store and retrieve objects in Amazon S3?

○   Amazon FSx for Lustre

⦿   AWS Storage Gateway volume gateway   ✗

○   AWS Storage Gateway file gateway

○   Amazon Elastic File System (Amazon EFS)

Correct answer

⦿   AWS Storage Gateway file gateway

✓ A company needs to use SQL syntax to perform a direct query of objects in 1/1
   an Amazon S3 bucket.
   Which AWS service can the company use to meet this requirement?

○ AWS Glue

◉ Amazon Athena   ✓

○ AWS Lambda

○ Amazon Kinesis

✓ A retail company is building a new mobile app. The company is evaluating   1/1
   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)

☐ A large, upfront capital expense and low variable expenses

☑ Increased speed for trying out new projects   ✓

☐ 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.

✗ A company needs to host a web server on Amazon EC2 instances for at   0/1
least 1 year. The web server cannot tolerate interruption.
Which EC2 instance purchasing option will meet these requirements MOST
cost-effectively?

◉ On-Demand Instances   ✗

◯ Partial Upfront Reserved Instances

◯ Spot Instances

◯ No Upfront Reserved Instances

Correct answer

◉ Partial Upfront Reserved Instances

✓ A company is building an application that will receive millions of database   1/1
queries each second. The company needs the data store for the
application to scale to meet these needs.
Which AWS service will meet this requirement?

◉ Amazon DynamoDB   ✓

◯ AWS Cloud9

◯ Amazon ElastiCache for Memcached

◯ Amazon Neptune

✓ A user has been granted permission to change their own IAM user   1/1
password.
Which AWS services can the user use to change the password? (Choose
two)

☑ AWS Command Line Interface (AWS CLI)   ✓

☐ AWS Key Management Service (AWS KMS)

☑ AWS Management Console   ✓

☐ AWS Resource Access Manager (AWS RAM)

☐ AWS Secrets Manager

✓ A company wants to migrate all of its on-premises infrastructure to   1/1
the AWS Cloud. Before migration, the company wants to estimate costs for
running its as-in infrastructure.
Which AWS service or principle should the company use to meet this
requirement?

◉ AWS Pricing Calculator   ✓

○ AWS Well-Architected Framework

○ AWS Shared responsibility model

○ AWS Cloud Adoption Framework (AWS CAF)

✓ When designing AWS workloads to be operational even when there are   1/1
component failures, what is an AWS best practice?

○ Perform quarterly disaster recovery tests

○ Place the main component on the us-east-1 Region

◉ Design for automatic failover to healthy resources   ✓

○ Design workloads to fit on a single Amazon C2 instance.

✓ Which task is the responsibility of the customer according to the AWS   1/1
shared responsibility model?

○ Patch the Amazon DynamoDB operating system

○ Secure Amazon CloudFront edge locations by allowing physical access according
to the principle of least privilege

○ Protect the hardware that runs AWS services

◉ Use AWS Identity and Access Management (IAM) according to the principle of   ✓
least privilege

✓ A company wants to manage its cloud resources by using infrastructure as 1/1
code (IaC) templates. The company needs to meet compliance
requirements.
Which AWS service should the company use to meet these requirements?

○ AWS Artifact

○ AWS Resource Explorer

○ AWS License Manager

◉ AWS Service Catalog   ✓

✓ Which AWS services or features form the AWS Cloud global infrastructure? 1/1
(Choose two)

☑ Availability Zones   ✓

☐ Amazon ElastiCache

☑ AWS Regions   ✓

☐ Amazon S3

☐ Amazon VPC

✓ A company has a MariaDB database on premises. The company wants to   1/1
move the data to the AWS Cloud.
Which AWS service will host this database with the LEAST amount of
operational overhead?

◉ Amazon RDS   ✓

○ Amazon Neptune

○ Amazon S3

○ Amazon DynamoDB

✕   A company's Application is running on Amazon EC2 instances. The   0/1
    company is planning a partial migration to a serverless architecture in the
    next year and wants to pay for resources up front.
    Which AWS purchasing option will optimize the company's costs?

○   Convertible Reserved Instances

○   Spot Instances

◉   EC2 Instance Savings Plan   ✕

○   Compute Savings Plan

Correct answer

◉   Compute Savings Plan

✓   A company must archive its documents by using a write-once, read-many   1/1
    (WORM) model to meet legal and compliance obligations.
    Which feature of Amazon S3 can the company use to meet this
    requirement?

○   S3 Versioning

○   S3 bucket policy

◉   S3 Glacier Vault Lock   ✓

○   S3 multi-factor authentication (MFA) delete

✓ A company wants to maintain bandwidth throughput and provide a more   1/1
consistent network experience than public internet-based connections.
Which AWS service should the company choose?

○ AWS VPN

◉ AWS DIrect Connect   ✓

○ Amazon Connect

○ Amazon CloudFront

✕ Which AWS service supports a company's ability to treat infrastructure as   0/1
code?

○ AWS CodeDeploy

◉ AWS Elastic Beanstalk   ✕

○ Amazon API Gateway

○ AWS CloudFormation

Correct answer

◉ AWS CloudFormation

✓ A company needs to deploy a PostgreSQL database into Amazon RDS. The   1/1
database must be highly available and fault tolerant.
Which AWS solution should the company use to meet these requirements?

○ Amazon RDS with a single Availability Zone

○ Amazon RDS snapshots

◉ Amazon RDS with multiple Availability Zones   ✓

○ AWS Database Migration Service (AWS DMS)

✓   A company is planning to migrate to the AWS Cloud. The company is   1/1
    conducting organizational transformation and wants to become more
    responsive to customer inquiries and feedback.
    Which task should the company perform to meet these requirements,
    according to the AWS Cloud Adoption Framework? (AWS CAF)

⦿ Realign teams to focus on produts and value streams   ✓

○ Create new value propositions with new products and services

○ Use a new data and analytics platform to create actionable insights

○ Migrate and modernize legacy infrastructure

✓   A company needs to host an application in a specific geographic area to   1/1
    comply with regulations.
    Which feature of the AWS global infrastructure will help the company meet
    this requirement?

○ Scalability

⦿ Global footprint   ✓

○ Availability

○ Performance

✓   Which AWS service user sign-up functionality and authentication to mobile   1/1
    and web applications?

⦿ Amazon Cognito   ✓

○ AWS Config

○ Amazon GuardDuty

○ AWS Systems Manager

✓ According to the AWS shared responsibility model, which of the following   4/4
are AWS responsibilities? (Choose two)

☑ Network infrastructure and virtualization of infrastructure   ✓

☐ Security of application data

☐ Guest operating systems

☑ Physical security of hardware   ✓

☐ Credentials and policies

✗ Which statements accurately describe the relationships among   0/1
components of AWS global infrastructure? (Choose two)

☑ There are more AWS Regions than Availability Zones   ✗

☑ There are more edge locations than AWS Regions   ✓

☐ An edge location is an Availability Zone

☐ There are more AWS Regions than edge locations

☐ There are more Availability Zones than AWS Regions

Correct answer

☑ There are more edge locations than AWS Regions

☑ There are more Availability Zones than AWS Regions

✓ A company needs a threat detection service that will continuously monitor   1/1
its AWS accounts, workloads. and Amazon S3 buckets for malicious
activity and unauthorized behavior.
Which AWS service meets these requirements?

◯ AWS Shield

◯ AWS Firewall Manager

⦿ Amazon GuardDuty   ✓

◯ Amazon Inspector

✓ A company wants to use automated video analysis to identify employees   1/1
that are accessing its offices.
Which AWS service will meet this requirement?

⦿ Amazon Rekognition   ✓

◯ Amazon Polly

◯ Amazon Cognito

◯ AWS Lambda

✕ Which AWS service or feature provides a firewall at the subnet level within   0/1
a VPC?

⦿ Security group   ✕

○ Network ACL

○ Elastic network interface

○ AWS WAF

Correct answer

⦿ Network ACL

✕ Which AWS service or feature supports governance, compliance, and risk   0/1
auditing of AWS accounts?

⦿ Multi-factor authentication (MFA)   ✕

○ AWS Lambda

○ Amazon Simple Notification Service (Amazon SNS)

○ AWS CloudTrail

Correct answer

⦿ AWS CloudTrail

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