SET 6

Total points 46/49 ?

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0 of 0 points

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Questions   46 of 49 points

✓ Which AWS service or feature gives users the ability to connect VPC's and   1/1
   on-premises networks to a central hub?

○ Virtual private gateway

◉ AWS Transit Gateway   ✓

○ Internet gateway

○ Customer gateway

✓ How does the AWS Cloud help companies build agility into their processes 1/1
and cloud infrastructure?

○ Companies can avoid provisioning too much capacity when they do not know how
much capacity is required.

○ Companies can expand into new geographic regions

◉ Companies can access a range of technologies to experiment and innovate ✓
quickly

○ Companies can pay for IT resources only when they use the resources

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✓ A company hosts its website on Amazon EC2 instances. The company   1/1
needs to ensure that the website reaches a global audience and provides
minimum latency to users. Which AWS service should the company use to
meet these requirements?

○ Amazon Route 53

◉ Amazon CloudFront ✓

○ Elastic Load Balancing

○ AWS Lambda

✓ A company wants to store its files in the AWS Cloud. Users need to be able 1/1
to download these files directly using a public URL. Which AWS service or
feature will meet this requirement?

○ Amazon Redshift

○ Amazon Elastic Block Store (Amazon EBS)

○ Amazon Elastic File System (Amazon EFS)

◉ Amazon S3 ✓

✓ Which of the following is an advantage that the AWS Cloud provides to users?   1/1

● Users eliminate the need to guess about infrastructure capacity requirements ✓

○ Users decrese their variable costs by maintaining sole ownership of IT hardware

○ Users maintain control of underlying IT infrastructure hardware

○ Users maintain control of operating system for managed services

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✓ Which AWS service or feature can a user configure to limit network access 1/1 at the subnet level?

○ AWS Shield

○ AWS WAF

● Network ACL ✓

○ Security group

✓ An ecommerce company has deployed a new web application on Amazon 1/1 EC2 instances. The company wants to distribute incoming HTTP traffic evenly across all running instances. Which AWS service or resource will meet this requirement?

○ Amazon EC2 Auto Scaling

● Application Load Balancer ✓

○ Gateway Load Balancer

○ Network Load Balancer

✓ A company needs to consolidate the billing for multiple AWS accounts. 1/1
The company needs to use one account to pay on behalf of all the other
accounts.
Which AWS service or tool should the company use to meet this
requirement?

☐ AWS Trusted Advisor

☑ AWS Organizations   ✓

☐ AWS Budgets

☐ AWS Service Catalog

✓ A company is running a reporting web server application on Amazon EC2 1/1
instances. The application runs once every week and once again at the end
of the month. The EC2 instances can be shut down when they are not in
use. What is the MOST cost-effective billing model for this use case?

○ Standard Reserced Instances

○ Convertible Reserved Instances

○ On-Demand Capacity Reservations

◉ On-Demand Instances   ✓

✓ Which AWS service or feature allows users to securely store encrypted 1/1
credentials and retrieve these credentials when required?

○ AWS Encryption SDK

○ AWS Security Hub

◉ AWS Secrets Manager   ✓

○ AWS Artifact

✓ A company wants its Amazon EC2 instances to be in different locations but share the same geographic area. The company also wants to use multiple power grids and independent networking connectivity for the EC2 instances. Which solution meets these requirements? **1/1**

○ Use EC2 instances in multiple edge locations in the same AWS Region

◉ Use EC2 instances in multiple AZ in the same AWS Region ✓

○ Use EC2 instances in multiple Amazon Connect locations in the same AWS Region

○ Use EC2 instances in multiple AWS Artifact locations in the same AWS Region

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✓ A company wants to design its cloud architecture so that it can support development innovations, and continuously improve and procedures.
This is an example of which pillar of the AWS Well-Architected Framework? **1/1**

○ Security

○ Performance efficiency

◉ Operational excellence ✓

○ Reliability

✓ A company is connecting multiple VPCs and on-premises network. The company needs to use a AWS service as a cloud router to simplify peering relationships. Which AWS service can the company use to meet this requirement? **1/1**

○ AWS Direct Connect

◉ AWS Transit Gateway ✓

○ Amazon Connect

○ Amazon Route 53

✕ Which AWS service can a company use to manage encryption keys in the   0/1
cloud?

☐ AWS License Manager

☑ AWS Certificate Manager (ACM)   ✕

☐ AWS CloudHSM

☐ AWS Directory Service

Correct answer

☑ AWS CloudHSM

✓ Which action should a company take to improve security in its AWS   1/1
account?

◉ Require multi-factor application (MFA) for privileged users   ✓

◯ Remove the root user account

◯ Create an access key for the AWS account root user

◯ Create an access key for each privileged user

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

☐ Cloud fluency

☑ Security   ✓

☐ Change acceleration

☐ Architecture

☑ Business   ✓

✓ **Which of the following are ways to improve security on AWS? (Choose two)** 1/1

☐ Using AWS Artifact

☐ Granting the broadest permissions to all IAM roles

☐ Running application code with AWS Cloud

☑ Enabling mul-factor authentication (MFA) with Amazon Cognito   ✓

☑ Using AWS Trusted Advisor security checks   ✓

✓ **Which pillar of the AWS Well-Architected Framework aligns with the ability** 1/1
   to make frequent, small, and reversible changes to AWS Cloud
   architecture?

○ Security

○ Cost Optimization

◉ Operational Excellence   ✓

○ Performance Efficiency

✓ **Which AWS design principle emphasizes the reduction of**   1/1
   interdependencies between components of an application?

○ Scalability

◉ Loose coupling   ✓

○ Automation

○ Caching

✓ A company is moving its development and test environment to AWS to   1/1
increase agility and reduce cost. Because these are not production
workloads and the servers are not fully utilized, occasionally unavailability
is acceptable. What is the MOST cost-effective Amazon EC2 pricing model
that will meet these requirements?

○ Reserved Instances

○ On-Demand Instances

● Spot Instances   ✓

○ Dedicated Hosts

✓ Where can users find examples of AWS Cloud solution design?   1/1

○ AWS Marketplace

○ AWS Service Catalog

● AWS Architecture Center   ✓

○ AWS Trusted Advisor

✓ Which AWS service can a company use to manage encryption keys in the   1/1
cloud?

○ AWS License Manager

○ AWS Certificate Manager (ACM)

● AWS CloudHSM   ✓

○ AWS Directory Service

✗ Which AWS service or resource can a company use to deploy AWS WAF rules?   0/1

⦿ Amazon EC2   ✗

◯ Application Load Balancer

◯ AWS Trusted Advisor

◯ Network Load Balancer

Correct answer

⦿ Application Load Balancer

✓ Which task is the responsibility of a company that s using Amazon RDS?   1/1

◯ Provision the underlying infrastructure

⦿ Create IAM policies to control administrative access to the service   ✓

◯ Install the cables to connect the hardware for compute and storage

◯ Install and patch the RDS operating system

✓ A company wants to enhance security by launching a third-party ISP intrusion detection system from its AWS account.
Which AWS service or resource should the company use to meet this requirement?   1/1

◯ AWS Security Hub

⦿ AWS Marketplace   ✓

◯ AWS Quick Starts

◯ AWS Security Center

✓ A company is moving some of its on-premises IT service to the AWS   1/1
    Cloud. The finance department wants to see the entire bill so it can
    forecast spending limits.
    Which AWS service can the company use to set spending limits and
    receive the notifications if those limits are exceeded?

○ AWS Cost and Usage Reports

◉ AWS Budgets   ✓

○ AWS Organizations consolidated billing

○ Cost Explorer

✓ A company wants to run CPU-intensive workload across multiple Amazon   1/1
    EC2 instances. Which EC2 instance type should the company use to meet
    this requirement?

○ General purpose instances

◉ Compute optimized instances   ✓

○ Memory optimized instances

○ Storage optimized instances

✓ A company runs many Amazon EC2 instances in its VPC. The comapny   1/1
wants to use a native AWS security resource to control network traffic
between certain EC2 instances.
Which AWS service or feature will meet this requirement?

○ Network ACLs

○ AWS WAF

○ Amazon GuardDuty

◉ Security groups   ✓

✓ A company wants to build an application that uses AWS Lambda to run   1/1
Python Code. Under the AWS shared responsibility model, which tasks will
be the company's responsibility? (Choose two)

☐ Management of the underlying infrastructure

☐ Management of the operating system

☑ Writing the business logic code   ✓

☐ Installation of the company language runtime

☑ Providing AWS Identity and Access Management (IAM) access to the Lambda ✓
service

✓ A company wants to organize its users so that the company can grant permissions to the users as a group. Which AWS service or tool can the company use to meet this requirement?

1/1

◯ Security Groups

⦿ AWS Identity and Access Management (IAM)   ✓

◯ Resource groups

◯ AWS Security Hub

✓ Which AWS service can migrate data between AWS storage services?

1/1

⦿ AWS DataSync   ✓

◯ AWS Direct Connect

◯ AWS Lake Formation

◯ Amazon 53

✓ A company wants to use a managed service to identify and protect sensitive data that is stored in Amazon S3.
Which AWS service will meet these requirements?

1/1

◯ AWS IAM Access Analyzer

◯ Amazon GuardDuty

◯ Amazon Inspector

⦿ Amazon Macie   ✓

✓ A company wants to provide one of its employees with access to Amazon   1/1
RDS. The company also wants to limit the interaction to only the AWS CLI
and AWS software development kits (SDKs).
Which combination of actions should the company take to meet these
requirements while following the principle of least privilege? (Choose two)

☐ Create an IAM user and provide AWS Management Console access only.

☑ Create an IAM user and provide programmatic access only   ✓

☐ Create an IAM role and provide AWS Management Console access only

☐ Create an IAM policy with administrator access and attach it to the IAM user

☑ Create an IAM policy with Amazon RDS access and attach it to the IAM user   ✓

✓ A company wants to use a centralized AWS service to enforce compliance 1/1
with the organizational business standards. The company wants to use an
AWS service that can govern and control who can deploy, manage, and
decommission AWS resources. Which AWS service will meet these
requirements?

○ Amazon Cloudwatch

◉ AWS Service Catalog   ✓

○ Amazon GuardDuty

○ AWS Security Hub

✓ A company stores a large amount of data that auditors access only twice   1/1
each year. Which Amazon S3 storage class should the company use to
store the data with the LOWEST cost?

○ Amazon S3 Outposts

◉ Amazon S3 Glacier Instant Retrieval   ✓

○ Amazon S3 Standard

○ Amazon S3 Intelligent-tiering

✓ Which feature of Amazon RDS provides the ability to automatically create a 1/1
primary database instance and to synchronously replicate data to an
instance in another AZ?

○ Read replicas

○ Blue/Green deployment

◉ Multi-AZ deployment   ✓

○ Reserved Instances

✓ A company is building a new application on AWS. The company needs the   1/1
application to remain available if an individual application component fails.
Which design principle should the comapny use to meet this requirement?

○ Disposable resources

○ Automation

○ Rightsizing

◉ Loose coupling   ✓

✓ What does 'security of the cloud' refer to in the AWS shared responsibility   1/1
model?

○ Availability of AWS service such as Amazon EC2

◉ Security of the cloud infrastructure that runs all the AWS services   ✓

○ Implementation of password policies for IAM users

○ Security of customer environments by using AWS Network Firewall partners

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✓ Which AWS service or tool gives a company the ability to release   1/1
application changes in an automated way?

○ Amazon AppFlow

◉ AWS CodeDeploy   ✓

○ AWS PrivateLink

○ Amazon EKS Distro

✓ Which AWS Cloud Adoption Framework (AWS CAF) perspective focuses   1/1
on managing identities and permissions at scale?

○ Operations

○ Platform

○ Governance

◉ Security   ✓

✓ Which of the following can be components of a VPC in the AWS Cloud?   1/1
   (Choose two)

☐ Amazon API Gateway

☐ Amazon S3 buckets and objects

☐ AWS Storage Gateway

☑ Internet gateway   ✓

☑ Subnet   ✓

✓ A company has an application that produces unstructured data   1/1
   continuously. The company needs to store the data so that the data is
   durable and easy to query. Which AWS service can the company use to
   meet these requirements?

○ Amazon RDS

○ Amazon Aurora

○ Amazon QuickSight

◉ Amazon DynamoDB   ✓

✓ A company wants to migrate a company's on-premises container   1/1
   infrastructure to the AWS Cloud. The company wants to prevent unplanned
   administration and operation cost and adapt to a serverless architecture.
   Which AWS service will meet these requirements?

○ Amazon Connect

◉ AWS Fargate   ✓

○ Amazon Lightsail

○ Amazon EC2

✓   Which AWS Support plans provide access to an AWS technical account   1/1
     manager (TAM)? (Choose two)

☐   AWS Basic Support

☐   AWS Developer Support

☐   AWS Business Support

☑   AWS Enterprise On-Ramp Support   ✓

☑   AWS Enterprise Support   ✓

✓   Which statements represent the cost-effectiveness of the AWS Cloud?   1/1
     (Choose two)

☑   Users can trade fixed expenses for variable expenses   ✓

☐   Users can deploy all over the world in minutes

☐   AWS offers increased speed and agility

☐   AWS is responsible for patching the infrastructure

☑   Users benefit from economies of scale   ✓

✓   A company needs to identity who accessed an AWS service and what   1/1
     action was performed for a given tome period. Which AWS service should
     the company us to meet this requirement?

○   Amazon CloudWatch

◉   AWS CloudTrail   ✓

○   AWS Security Hub

○   Amazon Inspector

✓   A company needs to check for IAM access keys that have not been rotated   1/1
      recently.
      Which AWS service should the company use to meet this requirement?

◯   AWS WAF

◯   AWS Shield

◯   Amazon Cogito

◉   AWS Trusted Advisor   ✓

✗   A comapny wants to discover, prepare, move, and integrate data from   0/1
      multiple sources from data analytics and machine learning. Which AWS
      Serverless data integration service should the company use to meet these
      requirements?

◯   AWS Glue

◯   AWS Data Exchange

◯   Amazon Athena

◉   Amazon EMR   ✗

Correct answer

◉   AWS Glue

✓ A company deploys its application on Amazon EC2 instances. The   1/1
application occasionally experiences sudden increase in demand. The
company wants to ensure that its application can respond to changes in
demand at the lowest possible cost. Which AWS service or concept will
meet these requirements?

◉ AWS Auto Scaling   ✓

◯ AWS Compute Optimizer

◯ AWS Cost Explorer

◯ AWS Well-Architected Framework

Google Forms