SET 9

Total points 44/50 ?

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0 of 0 points

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Questions   **44 of 50 points**

✓ Who is responsible for managing IAM user access and secret keys   1/1
according to the AWS shared responsibility model?

○ IAM access and secret keys are static, so there is no need to rotate them

● The customer is responsible for rotating keys   ✓

○ AWS will rotate the keys whenever required

○ The AWS Support team will rotate keys when requested by the customer

✓   A company wants to migrate unstructured data to AWS. The data needs to 1/1
    be securely moved with inflight encryption and end-to-end data validation.
    Which AWS service will meet these requirements?

⚪   AWS Application Migration Service

⚪   Amazon Elastic File System (amazon EFS)

⦿   AWS DataSync   ✓

⚪   AWS Migration Hub

✗   Which of the following are feature of network ACLs as they are used in the 0/1
    AWS Cloud? (Choose two)

☑   They are stateless   ✓

☐   They are statefull

☑   They evaluate all rules before allowing traffic   ✗

☐   They process rules in order, starting with the lowest numbered rule, when deciding
    whether to allow trafic

☐   They operate at the instance level

Correct answer

☑   They are stateless

☑   They process rules in order, starting with the lowest numbered rule, when deciding
    whether to allow trafic

✓ A developer wants AWS users to access AWS services by using temporary 1/1
security credentials.
Which AWS service or feature should the developer use to provide these
credentials?

○ IAM policies

○ IAM user groups

⦿ AWS Security Token Service (AWS STS)   ✓

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

✓ A user needs a relational database but does not have the resources to   1/1
manage the hardware, resiliency, and replication. Which AWS service
option meets the user's requirements?

☐ Run MySQL on Amazon Elastic Container Service (Amazon ECS)

☐ Run MySQL on Amazon EC2

☑ Choose Amazon RDS for MySQL   ✓

☐ Choose Amazon ElastiCache for Redis

✓ Which of the following is entirely the responsibility of AWS, according to 1/1
the AWS shared responsibility model?

○ Security awareness and training

○ Development of an IAM password policy

○ Patching of the guest operating system

⦿ Physical and environmental controls   ✓

✓ A company wants durable storage for static content and infinitely scalable   1/1
data storage infrastructure at the lowest cost.
Which AWS service should the company choose?

○ Amazon Elastic Block Store (Amazon EBS)

◉ Amazon S3   ✓

○ AWS Storage Gateway

○ Amazon Elastic File System (Amazon EFS)

✓ A team of researchers is going to collect data at remote locations around   1/1
the world. Many locations do not have internet connectivity. The team
needs to capture the data in the field, and transfer it to the AWS Cloud later.
Which AWS service will support these requirements?

○ AWS Outposts

○ AWS Transfer Family

◉ AWS Snow Family   ✓

○ AWS Migration Hub

✓ Which of the following is the customer's responsibility under the AWS   1/1
shared responsibility model? (Choose two)

☐ Maintain the configuration of infrastructure devices

☐ Maintain patching and updates within the hardware infrastructure

☑ Maintain the configuration of guest operating systems and applications   ✓

☑ Manage decisions involving encryption options   ✓

☐ Maintain infrastructure hardware

✓ A company wants to quickly implement a continuous integration/continuous delivery (CI/CD) pipeline. Which AWS service will meet this requirement?

1/1

○ AWS Config

○ Amazon Cognito

○ AWS DataSync

◉ AWS CodeStar ✓

✓ An ecommerce company wants to use Amazon EC2 Auto Scaling to add and remove EC2 instances based on CPU utilization.
Which AWS service or feature can initiate an Amazon EC2 Auto Scaling action to achieve this goal?

1/1

○ Amazon Simple Queue Service (Amazon SQS)

○ Amazon Simple Notification Service (Amazon SNS)

○ AWS Systems Manager

◉ Amazon CloudWatch alarm ✓

✓ A company has been storing monthly reports in an Amazon S3 bucket. The 1/1
company exports the report data into comma-separated values (.csv) files.
A developer wants to write a simple query that can read all of these files
and generate a summary report.
Which AWS service or feature should the developer use to meet these
requirements with the LEAST amount of operational overhead?

○ Amazon S3 Select

◉ Amazon Athena   ✓

○ Amazon Redshift

○ Amazon EC2

✓ A company needs to deploy applications in the AWS Cloud as quickly as 1/1
possible. The company also needs to minimize the complexity that is
related to the management of AWS resources.
Which AWS service should the company use to meet these requirements?

○ AWS Config

◉ AWS Elastic Beanstalk   ✓

○ Amazon EC2

○ Amazon Personalize

✓ Which AWS service could an administrator use to provide desktop environments for several employees? 1/1

○ AWS Organizations

○ AWS Fargate

○ AWS WAF

◉ AWS WorkSpaces ✓

✓ A company needs to search for text in documents that are stored in Amazon S3.
Which AWS service will meet these requirements? 1/1

◉ Amazon Kendra ✓

○ Amazon Rekognition

○ Amazon Polly

○ Amazon Lex

✓ What is the benefit of using AWS serverless computing? 1/1

○ Application deployment and management are not required

○ Application security will be fully managed by AWS

○ Monitoring and logging are not needed

◉ Management of infrastructure is offloaded to AWS ✓

✓ A company wants to verify multi-factor authentication (MFA) is enabled for 1/1
all users within its AWS accounts.
Which AWS service or resource will meet this requirement?

○ AWS Cost and Usage Report

◉ IAM credential reports   ✓

○ AWS Artifact

○ Amazon CloudFront reports

✓ A company wants to run its workloads in the AWS Cloud effectively,   1/1
reduce management overhead, and improve processes. Which AWS Well-
Architected Framework Pillar represents these requirements?

○ Reliability

◉ Operational excellence   ✓

○ Performance efficiency

○ Cost optimization

✕ Which option are AWS Cloud Adoption Framework (AWS CAF) security perspective capabilities? (choose two)   0/1

☐ Observability

☑ Incident and problem mamanagement   ✕

☐ Incident response

☑ Infrastructure protetion   ✓

☐ Availability and continuity

Correct answer

☑ Incident response

☑ Infrastructure protetion

✓ A global company wants to use a managed security service for protection   1/1
from SQL 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 GuardDuty

◉ AWS WAF   ✓

✓ A company wants to move its on-premises database to managed cloud   1/1
database services by using a simplified migration process.
Which AWS service or tool can help the company meet this requirement?

○ AWS Storage Gateway

○ AWS Application Migration Service

○ AWS DataSync

◉ AWS Database Migration Service (AWS DMS)   ✓

✓ A company has decided to adopt Amazon EC2 infrastructure and wants to 1/1
scale various stateless services for short-term usage. Which EC2 pricing
model is MOST cost-efficient to meet these requirements?

◉ Spot Instances   ✓

○ On-Demand Instances

○ Reserved Instances

○ Dedicated Hosts

✓ A company must be able to develop, test, and launch an application in the 1/1
AWS Cloud quickly.
Which advantage of cloud computing will meet these requirements?

○ Stop guessing capacity

○ Trade fixed expense for variable expense

○ Achieve economies of scale

◉ Increase speed and agility   ✓

✓   Which AWS feature provides a no-cost platform for AWS users to join   1/1
    community groups, ask questions, find answers, and read community
    generated articles about best practices?

○   AWS Knowledge Center

◉   AWS re:Post   ✓

○   AWS IQ

○   AWS Enterprise Support

✕   Which of the following are benefits that a company receives when it moves   0/1
    an on-premises production workload to AWS? (Choose two)

☐   AWS trains the company's staff on the use of all the AWS services

☐   AWS manages all security in the cloud

☑   AWS offers free support from technical account managers (TAMs)   ✕

☐   AWS offers high availability

☑   AWS provides economies of scale   ✓

Correct answer

☑   AWS offers high availability

☑   AWS provides economies of scale

✓ A company uses AWS security service and tools. The company needs a   1/1
service to help manage the security alerts and must organize the alerts
into a single dashboard.
Which AWS service should the company use to meet these requirements?

○ Amazon GuardDuty

○ Amazon Inspector

○ Amazon Macie

◉ AWS Security Hub   ✓

✓ A company wants to provide access to Windows file shares in AWS from   1/1
its on-premises workloads. The company does not want to provision any
additional infrastructure or applications in its data center.
Which AWS service will meet these requirements?

◉ Amazon FSx File Gateway   ✓

○ AWS DataSync

○ Amazon S3

○ AWS Snow Family

✓ A company needs to run a pre-installed third-party firewall on an Amazon 1/1
EC2 instance.
Which AWS service or feature can provide this solution?

○ Network ACLs

○ Security groups

◉ AWS Marketplace   ✓

○ AWS Trusted Advisor

✓ Which Amazon S3 storage class is MOST cost-effective for unknown access patterns?   1/1

○ S3 Standard

○ S3 Standard-Infrequent Access (S3 Standard-IA)

○ S3 One Zone-Infrequent Access (S3 One Zone-IA)

◉ S3 Intelligent-Tiering   ✓

✓ Which cloud computing advantage is company applying when it uses AWS Regions to increase application availability to users in different countries?   1/1

○ Pay-as-you-go pricing

○ Capacity forecasting

○ Economies of scale

◉ Global reach   ✓

✓ A company needs a fully managed file server that natively supports Microsoft workloads and file systems. The file server must also support the SMB protocol.
Which AWS service should the company use to meet these requirements?   1/1

○ Amazon Elastic File System (Amazon EFS)

○ Amazon FSx for Lustre

◉ Amazon FSx for Windows File Server   ✓

○ Amazon Elastic Block Store (Amazon EBS)

✕ A company plans to run a compute-intensive workload that uses graphics   0/1
processing units (GPUs)
Which Amazon EC2 instance type should the company use?

○ Accelerated computing

◉ Compute optimized   ✕

○ Storage optimized

○ General purpose

Correct answer

◉ Accelerated computing

✓ Which AWS Cloud deployment model uses AWS Outposts as part of the   1/1
application deployment infrastructure?

○ On-premises

○ Serverless

○ Cloud-native

◉ Hybrid   ✓

✓ Which type of AWS storage is ephemeral and is deleted when an Amazon   1/1
EC2 instance is stopped or terminated?

○ Amazon Elastic Block Store (Amazon EBS)

◉ Amazon EC2 instance store   ✓

○ Amazon Elastic File System (Amazon EFS)

○ Amazon S3

✓ An external auditor has requested that a company provide a list of all its   1/1
IAM users, including the status of users credentials and access keys.
What is the SIMPLEST way to provide this information?

○ Create an IAM user account for the auditor, granting the auditor administrator
permissions

○ Take a screenshot of each user's page in the AWS management console, the
provide the screenshots to the audtor

◉ Download the IAM credential report, then provide the report to the auditor   ✓

○ Download the AWS Trusted Advisor report, then provide the report to the auditor

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✓ A company's application developers need to quickly provision and manage 1/1
AWS service by using scripts.
Which AWS offering should the developers use to meet these
requirements?

◉ AWS CLI   ✓

○ AWS CodeBuild

○ AWS Cloud Adoption Framework (AWS CAF)

○ AWS Systems Manager Session Manager

✓ Which AWS Cloud benefit gives a company the ability to quickly deploy   1/1
cloud resources to access compute, storage, and database infrastructures
in a matter of minutes?

○ Elasticity

○ Cost savings

◉ Agility   ✓

○ Reliability

✓ A company has a managed IAM policy that does not grant the necessary   1/1
permissions for users to accomplish required tasks.
How can this be resolved?

○ Enable AWS Shield Advanced

◉ Create a custom IAM policy   ✓

○ Use a third-party web application firewall (WAF) managed rule from the AWS
Marketplace

○ Use AWS Key Management Service (AWS KMS) to create a customer-managed key

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✓ A company uses Amazon S3 to store records that can contain personally   1/1
identifiable information (PII). The company wants a solution that can
monitor all S3 buckets for PII and immediately alert staff about
vulnerabilities.
Which AWS service will meet these requirements?

○ Amazon GuardDuty

○ Amazon Detective

◉ Amazon Macie   ✓

○ AWS Shield

✕   Which AWS services make use of global edge locations? (Choose two)   0/1

☐   AWS Fargate

☑   Amazon CloudFront   ✓

☑   AWS Global Accelerator   ✕

☐   AWS Wavelength

☐   Amazon VPC

Correct answer

☑   Amazon CloudFront

☑   AWS Wavelength

✕   Which capabilities are in the platform perspective of the AWS Cloud   0/1
    Adoption Framework (AWS CAF)? (Choose two)

☐   Performance and capacity management

☐   Data engineering

☑   Continuous integration and continuous delivery (CI/CD)   ✓

☐   Infrastructure protection

☑   Change and release management   ✕

Correct answer

☑   Data engineering

☑   Continuous integration and continuous delivery (CI/CD)

✓ Which AWS service or feature gives users the ability to capture information about network traffic in a VPC?

1/1

◉ VPC Flow Logs ✓

○ Amazon Inspector

○ VPC route tables

○ AWS CloudTrail

✓ According to the AWS shared responsibility model, the customer is responsible for applying the latest security updates and patches for which of the following?

1/1

○ Amazon DynamoDB

◉ Amazon EC2 instances ✓

○ Amazon RDS instances

○ Amazon S3

✓ A development team wants to deploy multiple test environments for an application in a fast, repeatable manner.
Which AWS service should the team use?

1/1

○ Amazon EC2

◉ AWS CloudFormation ✓

○ Amazon QuickSight

○ Amazon Elastic Container Service (Amazon ECS)

✓ A company wants to transform its workforce by attracting and developing   1/1
   a digitally fluent high-performance workforce. The company wants to
   attract a diverse and inclusive workforce with appropriate mix of technical
   and non-technical skills.
   Which AWS Cloud Adoption Framework (AWS CAF) perspective will meet
   these requirements?

○ Business

◉ People   ✓

○ Platform

○ Operations

✓ Which task can a company perform by using security groups in the AWS   1/1
   cloud?

◉ Allow access to an Amazon EC2 instance through only a specific port   ✓

○ Deny access to malicious IP addresses at a subnet level

○ Protect data that is cached by Amazon CloudFront

○ Apply a stateless firewall to an Amazon EC2 instance

✓ Which of the following is a fully managed graph database service on AWS? 1/1

○ Amazon Aurora

○ Amazon FSx

○ Amazon DynamoDB

◉ Amazon Neptune   ✓

✓ An Amazon EC2 instance previously used for development is inaccessible   1/1
   and no longer appears in the AWS Management Console.
   Which AWS service should be used to determine what action made this
   EC2 instance inaccessible?

○ Amazon CloudWatch Logs

○ AWS Security Hub

○ Amazon Inspector

◉ AWS CloudTrail   ✓

✓ Which of the following is an AWS Well-Architected Framework design   1/1
   principle for operational excellence in the AWS Cloud?

○ Go global in minutes

◉ Make frequent, small, reversible changes   ✓

○ Implement a strong foundation of identity and access management

○ Stop spending money on hardware infrastructure for data center operations

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✓ Which AWS service allows users to download security and compliance   1/1
   reports about the AWS infrastructure on demand?

○ Amazon GuardDuty

○ AWS Security Hub

◉ AWS Artifact   ✓

○ AWS Shield

Google Forms