SET 12

Total points 35/49 ?

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0 of 0 points

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Questions   35 of 49 points

✓ The DevOps team in your organization is keen to explore a AWS Service   1/1
which can be used to manage Infrastructure as a code. Which of the
following can be used to meet this requirement?

○ AWS Inspector

○ AWS Config

◉ AWS CloudFormation   ✓

○ AWS Trusted Advisor

✓ Which of the following are recommended security measures when creating 1/1
access to an AWS account?

(Choose two)

☑ Enable Multi-Factor Authentication (MFA)   ✓

☐ Grant Admin Privilege access

☐ Enable CloudTrail logs

☑ Grant least privilege access   ✓

✓ Which AWS Service can be used to host a static website ?   1/1

◯ Amazon Elastic File System (EFS)

◯ Amazon Elastic Block Store (EBS)

◯ Amazon Route 53

⦿ Amazon S3   ✓

✓ Which of the following AWS services in combination can be used to serve   1/1
large amounts of online video content with least possible latency (Choose
two)?

☐ AWS Storage gateway

☐ Amazon EFS

☑ Amazon S3   ✓

☐ Amazon Glacier

☑ Amazon CloudFront   ✓

✗   **Which of the following needs to be included in Total cost of Ownership**   0/1
    (TCO) Analysis? (Choose two)

☐   Data Center Security Costs

☑   Application Development   ✗

☑   Hardware acquisition   ✓

☐   IT Manager Salary

☐   Company wide marketing

Correct answer

☑   Data Center Security Costs

☑   Hardware acquisition

✗   **AWS acceptable use policy for Penetration testing allows which of the**   0/1
    following?

◉   Customers can carry out security assessments or penetration tests against   ✗
    their AWS infrastructure after obtaining authorization from AWS.

○   Authorized security assessors to perform penetration tests against AWS customer
    without authorization.

○   AWS to perform penetration testing against customer resources without
    notification

○   Customers to carry out security assessments or penetration tests against their
    AWS infrastructure without prior approval for selected services

Correct answer

◉   Customers to carry out security assessments or penetration tests against their AWS
    infrastructure without prior approval for selected services

✓ Which team is available to support AWS customers on an Enterprise support plan with account issues?   1/1

○ AWS Billing and accounts

◉ AWS Concierge   ✓

○ AWS Technical Support

○ AWS Technical Account Manager

✗ Which feature of AWS IAM enables you to identify unnecessary permissions that have been assigned to users?   0/1

◉ Role Advisor   ✗

○ Access Advisor

○ Group Advisor

○ Permissions Advisor

Correct answer

◉ Access Advisor

✓ A Company wants to convert audio and video files from their source format into a format that will play on smartphones, tablets and web browsers. Which AWS service can be used to meet these requirements?   1/1

○ Amazon Rekognition

○ Amazon Comprehend

○ AWS Glue

◉ Amazon Elastic Transcoder   ✓

✓ A Web application running on AWS has been receiving malicious requests   1/1
from the same set of IP addresses. Which AWS service can help secure the
application and block the malicious traffic?

○ Amazon Inspector

○ Amazon Guard Duty

◉ AWS WAF   ✓

○ AWS IAM

✓ Service Control Policies (SCPs) manage permission for which of the   1/1
following?

◉ AWS Organizations   ✓

○ Edge locations

○ AWS regions

○ Availability Zones

✗ Which AWS service supports a hybrid architecture that gives users the   0/1
ability to extend AWS infrastructure, AWS services, APIs and tools to data
centers, co-location environments, or on-premises facilities?

○ AWS Fargate

○ AWS Local Zones

◉ AWS Outposts   ✗

○ AWS Snowmobile

Correct answer

◉ AWS Snowmobile

✓ Which of the following Services have Distributed Denial of Service (DDoS)   1/1
attack mitigation features (Choose two)?

☑ AWS WAF   ✓

☐ AWS KMS

☐ AWS CloudTrail

☑ Amazon Route 53   ✓

✓ Which AWS service lets you convert text into speech?   1/1

○ Amazon Kendra

◉ Amazon Polly   ✓

○ Amazon Connect

○ Amazon Rekognition

✓ Which of the following is the most appropriate means for developers to   1/1
store Docker container images in the AWS Cloud?

○ Elastic Container Service (ECS)

○ Elastic Block Store (EBS)

◉ Elastic Container Registry (ECR)   ✓

○ Elastic MapReduce (EMR)

✓ Which of the following is the design principle for Operational Excellence   1/1
under the AWS well architected Framework Pillars ?

○ Apply security at all layers

○ Stop guessing capacity

○ Go global in minutes

◉ Learn from all operational failures   ✓

✓ Which type of Elastic Load Balancer operates at Layer 4 i.e. Transport layer 1/1
of the OSI model?

○ Application Load Balancer

○ Classic Load Balancer

○ Amazon Route 53 Load Balancer

◉ Network Load Balancer   ✓

✓ Which of the following Amazon EC2 pricing model for reserved instances   1/1
gives the highest discount?

○ No upfront payment for a 3 year term

○ All upfront payment for a 1 year term

○ Partial upfront for a 1 year term

◉ All upfront payment for a 3 year term   ✓

✗   An IAM user must be granted access to an Amazon S3 bucket using a   0/1
    bucket policy. Which element in the S3 bucket policy should be updated to
    define the user account for which access will be granted ?

⦿ Condition   ✗

◯ Action

◯ Resource

◯ Principal

Correct answer

⦿ Principal

✗   In which situations should a company create an IAM user instead of an   0/1
    IAM role? (Choose two)

☐ When users are authenticated in the corporate network and want to be able to use
   AWS without having to sign in a second time.

☑ When an application that runs on Amazon EC2 instances requires access to   ✗
   other AWS services.

☐ When the company needs to add users to IAM groups.

☑ When the company creates AWS access credentials for individuals.   ✓

☐ When the company creates an application that runs on a mobile phone that makes
   requests to AWS.

Correct answer

☑ When the company needs to add users to IAM groups.

☑ When the company creates AWS access credentials for individuals.

✓ A corporation is developing a mobile application to give its clients with shopping suggestions. The business intends to include a graph database into the shopping recommendation engine. Which AWS database service should the business use ?

1/1

◉ Amazon Neptune ✓

○ Amazon DocumentDB

○ Amazon Aurora

○ Amazon DynamoDB

✓ Which AWS hybrid storage service enables on-premise applications to seamlessly use AWS Cloud Storage through standard file storage protocols?

1/1

○ AWS Direct Connect

○ AWS Snowmobile

○ AWS Snowball Edge

◉ AWS Storage Gateway ✓

✓ Which of the following is AWS fully managed relational database engine that's compatible with MySQL and PostgreSQL and can deliver up to five times the throughput of MySQL?

1/1

◉ Amazon Aurora ✓

○ AWS RDS

○ AWS DynamoDB

○ Amazon Redshift

✓ Which if the following should be provided by users to utilize the AWS CLI?   1/1

○ Certificate

○ Password

◉ Access and secret key   ✓

○ API key

✓ You want to be notified when your AWS usage costs exceed (or are   1/1
forecasted to exceed) a specific dollar amount. Which of the following
AWS services can be used to achieve this requirement ?

○ AWS Cost Explorer

◉ AWS Budgets   ✓

○ AWS Trusted Advisor

○ AWS QuickSight

✓ Which of the below statements regarding Amazon S3 buckets is accurate   1/1
(Choose two)?

☐ Bucket names must be unique regionally.

☐ Buckets are replicated globally.

☑ Bucket names must be unique globally.   ✓

☑ Buckets are region specific.   ✓

☐ You can have nested buckets

✗ A Cloud Engineer wants to Bootstrap an EC2 instance. How can the   0/1
engineer achieve this?

○ Utilize AWS Config

○ Build Metadata

○ Utilize User data

◉ Run command   ✗

Correct answer

◉ Utilize User data

✓ Which of the following statements most accurately characterizes Elastic   1/1
Load Balancing?

○ It collects metrics of connected Amazon EC2 instances.

◉ It distributes incoming application traffic across one or more Amazon EC2   ✓
instances.

○ It translates a domain name into an IP address using DNS

○ It automatically adjusts the number of Amazon EC2 instances to support incoming
traffic

✓ Which AWS service provides a managed software version control system? 1/1

○ AWS DataSync

○ AWS CodePipeline

◉ AWS CodeCommit   ✓

○ Amazon CodeDeploy

✕   Which AWS Service allocates resources automatically allowing an   ⋯/1
    organization to quickly deploy applications?

○   AWS CloudFormation

○   AWS Config

○   AWS Artifact

◉   AWS Elastic BeanStalk   ✕

No correct answers

✓   Which AWS Service can be used to send alerts based on Amazon   1/1
    CloudWatch alarms?

○   AWS CloudTrail

◉   Amazon Simple Notification Service (SNS)   ✓

○   AWS Trusted Advisor

○   Amazon Route 53

✕ Your organization needs to use their existing licenses for Microsoft Windows and SQL Server while also addressing strict corporate compliance requirements. Which EC2 pricing model would you recommend?   0/1

○ Reserved Instance

○ Spot Instances

○ Dedicated hosts

◉ Savings Plans   ✕

Correct answer

◉ Dedicated hosts

✓ A Cloud Engineer is required to retain data for seven years in order to comply with regulatory standards. Which AWS service meets this need for the LEAST amount of money?   1/1

○ Amazon S3

○ AWS Snowball

○ Amazon Redshift

◉ Amazon S3 Glacier   ✓

✓   Which of the following is an AWS Domain Name System (DNS)web   1/1
     service?

🔘 Amazon Route 53   ✓

⚪ AWS Snowball

⚪ Amazon LightSail

⚪ AWS Direct Connect

✓   A group of Non Tech friends are looking to setup a website for an   1/1
     upcoming event at a cost-effective price with a friendly interface. Which
     AWS service is the most appropriate to use?

🔘 Use AWS LightSail   ✓

⚪ Use AWS Marketplace to install a ready-made WordPress AMI

⚪ Download a pre-configured website on EC2 instance from a third party website

⚪ Use a pre-configured customizable Apache web server on an EC2 Instance

✓   Where can you find software listings from independent software vendors   1/1
     that make it easy to find, test, buy and deploy software that runs on AWS?

🔘 AWS Marketplace   ✓

⚪ AWS Glue

⚪ Amazon Athena

⚪ AWS Cloud Search

✓ Amazon EC2 web servers connect to a traditional application operating in a 1/1 corporate data center. Which phrase would be appropriate to describe this model?

○ Cloud-Native

◉ Hybrid Architecture ✓

○ Partner Network

○ Infrastructure as a service

✓ Which AWS Service lets you add user sign up, sign-in and access control to 1/1 web and mobile apps?

○ AWS CloudHSM

○ AWS Artifact

◉ Amazon Cognito ✓

○ AWS Directory Service

✗ Which AWS service or tool can be used to capture information about 0/1 inbound and outbound traffic in an Amazon VPC?

○ VPC Flow Logs

○ Amazon Inspector

○ NAT Gateway

◉ VPC endpoint services ✗

Correct answer

◉ VPC Flow Logs

✓ Which statement is true in relation to data stored within an AWS Region?   1/1

○ Data is automatically archived after 90 days

◉ Data is not replicated outside of a region unless you configure it   ✓

○ Data is always automatically replicated to at least one other availability zone

○ Data is always replicated to another region

✓ What is the main benefit of the principle of 'loose coupling'?   1/1

◉ Reduce interdependencies so a failure in one component does not cascade to other components.   ✓

○ Reduce operational complexity.

○ Enables applications to scale automatically based on current demand.

○ Automate the deployment of infrastructure using code

✓ Which DynamoDB feature can be used to reduce the latency of requests to a database from milliseconds to microseconds?   1/1

◉ DynamoDB Accelerator   ✓

○ Read Replica

○ Memcached

○ Multi AZ Deployment

✓   Which AWS Service automatically detects impaired Amazon EC2 instances   1/1
     and replaces the instances without manual intervention?

○   AWS Lambda

○   AWS Cognito

◉   Amazon EC2 Auto Scaling   ✓

○   Elastic Load Balancer

✗   Which of the following services can be used to provide root storage   0/1
     volumes to Amazon EC2 Instances?

○   Amazon EBS

◉   Amazon EFS   ✗

○   Amazon S3

○   Amazon Machine Image

Correct answer

◉   Amazon EBS

✕ A Company wants to have up to date information on the AWS Service   0/1
availability. Where can they find this information?

○ Amazon CloudWatch

○ AWS Service Health Dashboard

○ AWS Control Tower

◉ AWS Personal Health Dashboard   ✕

Correct answer

◉ AWS Service Health Dashboard

✓ Which of the following is the best practice for managing AWS IAM access   1/1
keys?

○ There is no need to manage access keys.

○ AWS rotates access keys on a schedule.

○ Use IAM roles instead of access keys.

◉ Customer should rotate the access keys regularly.   ✓

✗   The Developers in a large organization want to use an IDE to run, test and   0/1
    debug code for Lambda functions. Which AWS service is the most
    appropriate?

◉   Amazon SDK   ✗

○   AWS Cloud9

○   AWS CodeCommit

○   AWS CodeDeploy

Correct answer

◉   AWS Cloud9

✗   A Cloud Engineer expects an increase in application traffic at a particular   0/1
    time when the application Go-Live is planned. How can the Cloud Engineer
    ensure Amazon EC2 Auto scaling allocates the desired number of EC2
    instances ahead of Go-Live?

○   Configure a scheduled scaling Policy.

○   Configure a Target tracking scaling Policy.

◉   Configure a Step scaling policy.   ✗

○   Configure Predictive scaling.

Correct answer

◉   Configure a scheduled scaling Policy.

✓ A Company needs to install an application in a Docker container. Which   1/1
AWS service eliminates the need to provision and manage container hosts?

○ Amazon EC2

○ Amazon Elastic Container Service (ECS)

⦿ AWS Fargate   ✓

○ Amazon FSx for Windows File Server

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