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Total points 43/50 ?

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Questions

43 of 50 points

- ✓ A company has migrated its workload to the AWS Cloud. The company wants to optimize existing Amazon EC2 resources. 1/1
Which AWS services or tools provide this functionality? (Choose two)

☐ AWS Elastic Beanstalk☒ AWS Cost Explorer ✓☐ Amazon Detective☒ AWS Compute Optimizer ✓☐ AWS Billing Conductor

✓ Which AWS service or feature can be used to monitor for potential disk write spikes on a system that is running on Amazon EC2? 1/1

- ☐ AWS CloudTrail
- ☐ AWS Health Dashboard
- ☐ AWS Trusted Advisor
- ☒ Amazon CloudWatch



✓ Which recommendation can AWS Cost Explorer provide to help reduce cost? 1/1

- ☐ Use a specific database engine
- ☐ Change the programming language for an application
- ☐ Deploy a specific operating system
- ☒ Terminate an ideal instance



✓ Which AWS service helps users plan and track their server and application inventory migration data to AWS? 1/1

- ☐ Amazon CloudWatch
- ☐ AWS DataSync
- ☒ AWS Migration Hub
- ☐ AWS Application Migration Service



✓ Which design principles are included in the reliability pillar of the AWS Well-Architected Framework? (Choose two) 1/1

- ☒ Automatically recover from failure ✓
- ☐ Grant everyone access to increase AWS service quotas
- ☒ Stop guessing capacity ✓
- ☐ Design applications to run in a single Availability Zone
- ☐ Plan to increase AWS service quotas first in a secondary AWS Region

✓ A company has applications that control on-premises factory equipment. Which AWS service should the company use to run these applications with the LEAST latency? 1/1

- ☒ AWS Outposts ✓
- ☐ Amazon EC2
- ☐ AWS Lambda
- ☐ AWS Fargate

✓ A company with multiple accounts and teams wants to set up a new multi-account AWS environment. Which AWS service supports this requirement? 1/1

- ☐ AWS CloudFormation
- ☒ AWS Control Tower ✓
- ☐ AWS Config
- ☐ Amazon Virtual Private Cloud (Amazon VPC)



✓ A company is running big data analytics and massive parallel computations on its AWS test and development servers. The company can tolerate occasional downtime. 1/1
What is the MOST cost-effective Amazon EC2 purchasing option for the company to use?

- ☐ On-Demand Instances
- ☒ Spot Instances
- ☐ Reserved Instances
- ☐ Savings Plans



✓ A company wants to run relationship databases in the AWS Cloud. The company wants to use a managed service that will install database and run regular software updates. 1/1
Which AWS service will meet these requirements?

- ☐ Amazon S3
- ☒ Amazon RDS
- ☐ Amazon Elastic Block Store (Amazon EBS)
- ☐ Amazon DynamoDB



✓ A company wants to centrally manage its employee's access to multiple AWS accounts. 1/1
Which AWS service or feature should the company use to meet this requirement?

- ☐ AWS Identity and Access Management Access Analyzer
- ☐ AWS Secrets Manager
- ☒ AWS IAM Identity Center
- ☐ AWS Security Token Service (AWS STS)



✗ A company runs Amazon EC2 instances in a research lab. The instances for 3 hours each week and cannot be interrupted. 0/1
What is the MOST cost-effective instances purchasing option to meet these requirements?

- ☐ Compute Savings Plan
- ☐ On-Demand Instances
- ☒ Convertible Reserved Instances
- ☐ Spot Instances



Correct answer

- ☒ On-Demand Instances



✓ Which AWS service provides serverless compute for use with containers? 1/1

- ☐ Amazon Simple Queue Service (Amazon SQS)
- ☒ AWS Fargate
- ☐ AWS Elastic Beanstalk
- ☐ Amazon SageMaker



✓ Why are AWS CloudFormation templates used? 1/1

- ☒ To reduce provisioning time by using automation
- ☐ To transfer existing infrastructure to another company
- ☐ To reuse on-premises infrastructure in the AWS Cloud
- ☐ To deploy large infrastructure with no cost implications



✓ Which programming language does AWS Cloud Development Kit (AWS CDK) currently support? (Choose Two) 1/1

- ☒ Python
- ☐ Swift
- ☒ TypeScript
- ☐ Ruby
- ☐ PHP



✗ A company is using AWS Identity and Access Management (IAM)
Who can manage the access keys of the AWS account root user?

0/1

- ☒ IAM users in the same account that have been granted permission ✗
- ☐ IAM roles in any account that have been granted permission
- ☐ IAM users and roles that have been granted permission
- ☐ The AWS account owner

Correct answer

- ☒ The AWS account owner

✓ A company will run a predictable compute workload on Amazon EC2 instances for the next 3 years. The workload is critical for the company. The company wants to optimize costs to run the workload. Which solution will meet these requirements?

1/1

- ☐ Spot Instances
- ☐ Dedicated Hosts
- ☒ Savings Plans ✓
- ☐ On-Demand Instances

✓ Which AWS team or offering helps users accelerate cloud adoption through paid engagements in any of several specialty practice areas?

1/1

- ☐ AWS Enterprise Support
- ☐ AWS Solutions Architect
- ☒ AWS Professional Services ✓
- ☐ AWS Account managers



✗ A company wants to deploy an application in multiple Availability Zones in a single AWS Region. 0/1

Which benefit will this deployment provide to the company?

- ☐ Improved connection performance for global customers
- ☐ Resilient architecture and a highly available solution
- ☒ Reduced overall data storage costs ✗
- ☐ Ability to shut down an Availability Zone during periods of low demand

Correct answer

- ☒ Resilient architecture and a highly available solution

✓ A university receives a grant to conduct research by using AWS services. 1/1

The research team needs to make sure the grant money lasts for the entire school year. The team has decided on a monthly allocation that adds up to the total grant amount.

Which AWS service or feature will notify the team if spending exceeds the planned amount?

- ☒ AWS Budgets ✓
- ☐ Cost Explorer
- ☐ Cost allocation tags
- ☐ Cost categories



✓ A company needs access to checks and recommendations that help the company follow AWS best practices for cost optimization, security, fault tolerance, performance, and service quotas. 1/1
Which combination of an AWS service and AWS Support plan on the AWS account will meet these requirements?

- ☐ AWS Trusted Advisor with AWS Developer Support
- ☐ AWS Health Dashboard with AWS Enterprise Support
- ☒ AWS Trusted Advisor with AWS Business Support ✓
- ☐ AWS Health Dashboard with AWS Enterprise on-Ramp Support

✓ A developer who has no AWS Cloud experience wants to use AWS technology to build a web application. 1/1
Which AWS service should the developer use to start building the application?

- ☐ Amazon SageMaker
- ☐ AWS Lambda
- ☒ Amazon Lightsail ✓
- ☐ Amazon Elastic Container Service (Amazon ECS)



✓ A company has a website on AWS. The company wants to deliver the website to a worldwide audience and provide low-latency response times for global users. 1/1
Which AWS service will meet these requirements?

- ☐ AWS CloudFormation
- ☒ Amazon CloudFront
- ☐ Amazon ElastiCache
- ☐ Amazon DynamoDB



✓ A company is planning to use the Amazon EC2 instances as web servers. 1/1
Customers from around the world will use the web servers. Most customers will use the web servers only during certain hours of the day. How should the company deploy the EC2 instances to achieve the LOWEST operational cost?

- ☐ In multiple Availability Zones
- ☒ In an Auto Scaling group
- ☐ In a placement group
- ☐ In private subnets



✗ A new AWS user needs to interact with AWS Support by using API calls. 0/1
Which AWS support plan will meet this requirement MOST cost-effectively?

- ☐ AWS Basic Support
- ☐ AWS Developer Support
- ☐ AWS Business Support
- ☒ AWS Enterprise Support



Correct answer

- ☒ AWS Business Support

✓ A company uses Amazon EC2 instances to run its application. The application needs to be available and running continuously for three or more years. 1/1
What type of EC2 instance should the company purchase for a discount on the EC2 pricing?

- ☒ Reserved Instances
- ☐ Spot Instances
- ☐ On-Demand Instances
- ☐ EC2 Fleet



✓ Which of the following actions are controlled with AWS Identity and Access Management (IAM)? (Choose two) 1/1

- ☒ Control access to AWS service APIs and to other specific resources ✓
- ☐ Provide intelligent threat detection and continuous monitoring
- ☒ Protect the AWS environment using multi-factor authentication (MFA) ✓
- ☐ Grant users access to AWS data centers
- ☐ Provide firewall protection for applications from common web attacks

✓ A company is using multiple AWS accounts for different business teams. 1/1
The finance team wants to receive one bill for all the company's accounts.
Which AWS service or tool should the finance team use to meet this requirement?

- ☒ AWS Organizations ✓
- ☐ AWS Trusted Advisor
- ☐ Cost Explorer
- ☐ AWS Budgets



✓ A company needs a firewall that will control network connections to and from a single Amazon EC2 instance. This firewall will not control network connections to and from other instances that are in the same subnet. Which AWS service or feature can the company use to meet these requirements? 1/1

- ☐ Network ACL
- ☐ AWS WAF
- ☐ Route table
- ☒ Security group



✗ A company needs to use AWS technology to deploy a static website. Which solution meets this requirement with the LEAST amount of operational overhead? 0/1

- ☒ Deploy the website on Amazon EC2
- ☐ Host the website on AWS Elastic Beanstalk
- ☐ Deploy the website with Amazon Lightsail
- ☐ Host the website on Amazon S3



Correct answer

- ☒ Host the website on Amazon S3



✗ A company's cloud environment includes Amazon EC2 instances and Application Load Balancers. The company wants to improve protections for its cloud resources against DDoS attacks. The company also wants to have real-time visibility into any DDoS attacks. Which AWS Service will meet these requirements? 0/1

- ☒ AWS Shield Standard
- ☐ AWS Firewall Manager
- ☐ AWS Shield Advanced
- ☐ Amazon GuardDuty

Correct answer

- ☒ AWS Shield Advanced



✓ A company migrated to the AWS Cloud. Now the company pays for services on an as-needed basis. Which advantage of cloud computing is the company benefiting from? 1/1

- ☐ Stop spending money running and maintaining data centers
- ☐ Increase speed and agility
- ☐ Go global in minutes
- ☒ Trade fixed expense for variable expense



✓ Which AWS service can companies use to subscribe to RSS feeds for updates about all AWS service issues? 1/1

- ☐ Amazon Simple Notification Service (Amazon SNS)
- ☒ AWS Health Dashboard
- ☐ AWS Config
- ☐ AWS CodeCommit



✓ Which AWS service is designed for users running workloads that include a NoSQL database? 1/1

- ☐ Amazon RDS
- ☐ Amazon S3
- ☐ Amazon Redshift
- ☒ Amazon DynamoDB



✓ Which Amazon EC2 Reserved Instances term commitment will give users the MOST cost savings? 1/1

- ☐ 1 year
- ☐ 2 years
- ☒ 3 years
- ☐ 5 years



✓ A company uses Amazon RDS for a product database. The company wants 1/1 to ensure the database is highly available.
Which feature of Amazon RDS will meet this requirement?

- ☐ Read replicas
- ☐ Blue/green deployment
- ☒ Multi-AZ deployment
- ☐ Reserved Instances



✓ Which AWS service or feature gives user the ability to provision AWS infrastructure programmatically? 1/1

- ☒ AWS Cloud Development Kit (AWS CDK)
- ☐ Amazon CodeGuru
- ☐ AWS Config
- ☐ AWS CodeCommit



✓ A company wants to estimate the cost for its AWS architecture solution before migration. 1/1
Which AWS service or feature will meet this requirement?

- ☐ Amazon Detective
- ☐ AWS Budgets
- ☐ AWS Resource Explorer
- ☒ AWS Pricing Calculator



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

- ☐ Apply guest operating system patches to Amazon EC2 instances
- ☐ Provide monitoring of human resources information management (HRIM) systems
- ☒ Perform automated backups of Amazon RDS instances ✓
- ☐ Optimize the costs of running AWS services.

✓ A company needs an event history of which resources the company has created. 1/1
Which AWS service will provide this information?

- ☐ Amazon CloudWatch
- ☒ AWS CloudTrail ✓
- ☐ Amazon Aurora
- ☐ Amazon EventBridge

✓ Which group shares responsibility with AWS for security and compliance of AWS accounts and resources? 1/1

- ☐ Third-party vendors
- ☒ Customers ✓
- ☐ Reseller partners
- ☐ Internet providers



✓ A company wants to update its online data processing application by implementing container based services that run for 4 hours at a time. The company does not want to provision or manage server instances. Which AWS service will meet these requirements? 1/1

- ☐ AWS Lambda
- ☒ AWS Fargate
- ☐ Amazon EC2
- ☐ AWS Elastic Beanstalk



✓ A company wants to manage access and permissions for its third-party software as a service (SaaS) applications. The company wants to use a portal where end users can access assigned AWS accounts and AWS Cloud applications. Which AWS service should the company use to meet these requirements? 1/1

- ☐ Amazon Cognito
- ☒ AWS IAM Identity Center (AWS Single Sign-On)
- ☐ AWS Identity and AWS Management (IAM)
- ☐ AWS Directory Service for Microsoft Active Directory



✓ A company wants to add a conversational chatbot to its website. Which AWS service can the company use to meet this requirement? 1/1

- ☐ Amazon Textract
- ☒ Amazon Lex
- ☐ AWS Glue
- ☐ Amazon Rekognition



✓ A company needs to purchase Amazon EC2 instances to support an application that will run continuously for more than 1 year. 1/1
Which EC2 instance purchasing option meets these requirements MOST cost-effectively?

- ☐ Dedicated Instances
- ☐ Spot Instances
- ☒ Reserved Instances
- ☐ On-Demand Instances



✓ Which AWS service or feature allows a company to have its own logically isolated section of the AWS Cloud? 1/1

- ☐ AWS VPN
- ☐ Availability Zones
- ☒ Amazon Virtual Private Cloud (Amazon VPC)
- ☐ AWS Regions



✓ Which AWS service enables users to create copies of resources across AWS Regions? 1/1

- ☐ Amazon ElastiCache
- ☒ AWS CloudFormation
- ☐ AWS CloudTrail
- ☐ AWS Systems Manager



✓ A user needs to perform a one-time backup of an Amazon Elastic Block Store (Amazon EBS) volume that is attached to an Amazon EC2 instance. What is the MOST operationally efficient way to perform this backup? 1/1

- ☐ Attach another EBS volume to the EC2 instance, and copy the contents
- ☐ Copy the EBS volume to a server that is running outside AWS and is connected with AWS Direct Connect.
- ☒ Create an EBS snapshot of the volume ✓
- ☐ Create a custom script to copy the EBS file contents to Amazon S3

✗ Which benefit is always free of charge with AWS, regardless of a user's AWS Support plan? 0/1

- ☒ AWS Developer Support ✗
- ☐ AWS Developer Forums
- ☐ Programmatic case management
- ☐ AWS technical account manager (TAM)

Correct answer

- ☒ AWS Developer Forums



✓ A company needs to perform an audit of recent AWS account activity. The audit will investigate who initiated an event and what actions were performed. 1/1

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

- ☐ AWS Config
- ☐ Amazon Rekognition
- ☒ AWS CloudTrail
- ☐ Amazon Simple Notification Service (Amazon SNS)



✓ Which AWS service provides a fully managed graph database for high connected datasets? 1/1

- ☐ Amazon DynamoDB
- ☐ Amazon RDS
- ☒ Amazon Neptune
- ☐ Amazon Aurora



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