

# Jan 12 Set -B

Total points 39/67 ?

0 of 0 points

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Attempt all the questions

39 of 67 points

✗ Which of the following are advantages of using the AWS Cloud to \* host infrastructure? (Select two.)

0/1

- ☐ There are no upfront commitments.
- ☐ AWS manages all security in the cloud.
- ☒ Users have the ability to provision resources on demand.
- ☒ Users have access to free and unlimited storage.
- ☐ Users have control over the physical infrastructure.



Correct answer

- ☒ There are no upfront commitments.
- ☒ Users have the ability to provision resources on demand.

#### Feedback

*The No Upfront option does not require any upfront payment, and your commitment will be charged purely on a monthly basis. Savings Plans offers significant savings over On Demand, just like EC2 RIs, but automatically reduce your bills on compute usage across any AWS region, even as usage changes.*

- ✓ A copy of the AWS SOC 2 report is required during a compliance review \*1/1  
by  
one of the auditors.  
Which service should this request be sent through?

- ☐ AWS Personal Health Dashboard
- ☐ AWS Trusted Advisor
- ☒ AWS Artifact ✓
- ☐ Amazon S3

### Feedback

*Correct Answer: C*

*AWS Artifact provides on-demand downloads of AWS security and compliance documents, such as AWS ISO certifications, Payment Card Industry (PCI), and Service Organization Control (SOC) reports. You can submit the security and compliance documents (also known as audit artifacts) to your auditors or regulators to demonstrate the security and compliance of the AWS infrastructure and services that you use.*

✗ Which of the following are benefits of Amazon Web Services' cloud \* 0/1  
computing platform? (Select two.)

- ☐ AWS manages the maintenance of the cloud infrastructure
- ☐ AWS manages the security of applications built on AWS
- ☒ AWS manages capacity planning for physical servers ✓
- ☐ AWS manages the development of applications on AWS
- ☒ AWS manages cost planning for virtual servers ✗

Correct answer

- ☒ AWS manages the maintenance of the cloud infrastructure
- ☒ AWS manages capacity planning for physical servers

#### Feedback

*AWS manages all infrastructure layers.*

*Some of the infrastructure layers are:*

- Data centers
- Hardware and software
- Virtualization
- Networking

✓ Which characteristics are advantages of using the AWS Cloud? (Choose \*1/1  
two.)

- ☐ A 100% service level agreement (SLA) for all AWS services
- ☒ Compute capacity that is adjusted on demand ✓
- ☐ Availability of AWS Support for code development
- ☒ Enhanced security ✓
- ☐ Increases in cost and complexity

✗ Multiple Amazon EC2 instances are used to host an application. The program sends messages using Amazon Simple Notification Service (Amazon SNS). Which AWS service or feature grants authorization for the application to access needed AWS services?

\*0/1

- ☐ AWS Certificate Manager (ACM)
- ☐ IAM roles
- ☒ AWS Security Hub
- ☐ Amazon GuardDuty

✗

Correct answer

- ☒ IAM roles

#### Feedback

*An IAM role is an IAM entity that defines a set of permissions for making AWS service requests. IAM roles are not associated with a specific user or group. Instead, trusted entities assume roles, such as IAM users, applications, or AWS services such as EC2.*

✓ Where should a business go to locate, test, purchase, and deploy <sup>\*</sup> software that works on AWS?

1/1

- ☒ AWS Marketplace
- ☐ Amazon Lumberyard
- ☐ AWS Artifact
- ☐ Amazon CloudSearch

✓

✓ Which AWS service uses machine learning to help discover, monitor, and protect sensitive data that is stored in Amazon S3 buckets? \*1/1

- ☐ AWS Shield
- ☒ Amazon Macie
- ☐ AWS Network Firewall
- ☐ Amazon Cognito



#### Feedback

Correct Answer: B

Amazon Macie is a data security and data privacy service that uses machine learning (ML) and pattern matching to discover and protect your sensitive data.

✓ Recently, an ecommerce firm began using the AWS Cloud. Which security-related responsibilities fall within the preview of the business? (Select two.) \*1/1

- ☐ Restrict who is allowed physical access to the hosts that run the company's Amazon EC2 instances
- ☒ Install security patches on Amazon EC2 Linux instances.
- ☒ Choose to encrypt data at rest that is stored on Amazon S3.
- ☐ Wipe Amazon Elastic Block Store (Amazon EBS) volumes clean before they are decommissioned
- ☐ Conduct database patching for Amazon RDS instances.



✗ A business must keep its data near to its core consumers. Which AWS Cloud advantage satisfies this requirement? \*0/1

- ☐ Security
- ☐ High availability
- ☒ Elasticity
- ☐ Global footprint

✗

Correct answer

- ☒ Global footprint

✓ Which variables impact AWS Cloud costs? (Select two.) \*

1/1

- ☐ The number of unused AWS Lambda functions
- ☐ The number of configured Amazon S3 buckets
- ☐ Inbound data transfers without acceleration
- ☒ Outbound data transfers without acceleration
- ☒ Compute resources that are currently in use

✓

✓

#### Feedback

*Charges may apply if there is data transfer between different components of your workload. These charges vary depending on where the components are deployed.*

✗ Which AWS service should be utilized to store data backups for an extended period of time at a reasonable cost? \*0/1

- ☒ Amazon RDS
- ☐ Amazon Glacier
- ☐ AWS Snowball
- ☐ AWS EBS

✗

Correct answer

- ☒ Amazon Glacier

#### Feedback

*Amazon S3 Glacier is a secure, durable, and low-cost storage class of S3 for data archiving and long-term backup.*

*Customers can store large or small amounts of data for as little as \$0.004 per gigabyte per month. The S3 Glacier storage class is ideal for archives where data is regularly retrieved and some of the data may be needed in minutes.*

*Amazon RDS is a relational database service that hosts databases. It helps you create and manage databases.*

*Amazon Snowball is a petabyte-scale data transfer service that provides cost efficient data transfer to AWS from*

*tamper proof physical devices. Similarly,*

*Elastic block storage offers persistent block storage volumes for EC2 instances.*

✓ Which feature enables Amazon EC2 instances to be more elastic in \* 1/1  
response to changing workload demand?

- ☐ Resource groups
- ☐ Lifecycle policies
- ☐ Application Load Balancer
- ☒ Amazon EC2 Auto Scaling

✓



✗ Which AWS service must be enabled in order for the AWS \*  
Management Console to monitor all user account changes?

0/1

- ☐ AWS CloudTrail
- ☐ Amazon Simple Notification Service (Amazon SNS)
- ☒ VPC Flow Logs
- ☐ AWS CloudHSM

✗

Correct answer

- ☒ AWS CloudTrail

### Feedback

*AWS CloudTrail is a service that enables governance, compliance, operational auditing, and risk auditing of your AWS account. With CloudTrail, you can log, continuously monitor, and retain account activity related to actions across your AWS infrastructure. CloudTrail provides event history of your AWS account activity, including actions taken through the AWS Management Console, AWS SDKs, command line tools, and other AWS services. This event history simplifies security analysis, resource change tracking, and troubleshooting. In addition, you can use CloudTrail to detect unusual activity in your AWS accounts. These capabilities help simplify operational analysis and troubleshooting.*

✗ Which scenarios should a user report to the AWS Abuse team? (Select two.) \*0/1

- ☒ A DDoS attack is being made on an AWS resource. ✓
- ☒ A SQL injection attack is being made from an IP address that is not an AWS address. ✗
- ☐ AWS resources are being used to host objectionable or illegal content.
- ☐ A company's resources are being used in a way that is inconsistent with corporate policy.
- ☐ A company is receiving HTTPS requests on a web server that is serving HTTP.

#### Correct answer

- ☒ A DDoS attack is being made on an AWS resource.
- ☒ AWS resources are being used to host objectionable or illegal content.

#### Feedback

*Correct Answer: AC*

*The AWS Trust & Safety team can assist you when AWS resources are used to engage in the following types Of abusive behavior:*

- Spam
- Port scanning
- Denial-of-service (DOS) attacks
- Intrusion attempts
- Hosting prohibited content
- Distributing malware

✓ Which duty is the customer's responsibility under the AWS shared responsibility model? \*1/1

- ☐ Maintaining the infrastructure needed to run AWS Lambda
- ☐ Updating the operating system of Amazon DynamoDB instances
- ☐ Maintaining Amazon S3 infrastructure
- ☒ Updating the guest operating system on Amazon EC2 instances



#### Feedback

*The customer assumes responsibility and management of the guest operating system (including updates and security patches), other associated application software as well as the configuration of the AWS provided security group firewall.*

✓ What is a user's responsibility while using the AWS Cloud to execute an application? \* 1/1

- ☐ Managing physical hardware
- ☐ Updating the underlying hypervisor
- ☐ Providing a list of users approved for data center access
- ☒ Managing application software updates



✗ Which AWS service enables you to monitor and debug \*  
distributed applications end-to-end?

0/1

- ☐ AWS Cloud9
- ☐ AWS CodeStar
- ☒ AWS Cloud Map
- ☐ AWS x-Ray

✗

Correct answer

- ☒ AWS x-Ray

#### Feedback

*AWS X-Ray is a powerful tool offered by Amazon that enables developers to debug production and distributed applications, especially in the microservices architecture. By analyzing the performance of the application and its underlying services, developers can identify root causes of performance issues to quickly resolve them.*

✓ A startup is developing a new application that must be launched immediately. In the near future, the application criteria may need to be changed.

\*1/1

Which of the following is an AWS Cloud feature that would fulfill this particular requirement?

- ☐ Elasticity
- ☐ Reliability
- ☐ Performance
- ☒ Agility

✓

✗ A retailer wishes to supply just the resources required to meet current demand. \*0/1

Which cloud advantage is the organization attempting to accomplish with this objective?

- ☒ Reliability ✗
- ☐ Global reach
- ☐ Scalability
- ☐ High availability

Correct answer

- ☒ Scalability

#### Feedback

*AWS Auto Scaling lets you build scaling plans that automate how groups of different resources respond to changes in demand.*

✓ What is the most effective approach to link an on-premises network to \* 1/1  
numerous VPCs located in separate AWS Regions?

- ☐ Use AWS Direct Connect
- ☐ Use AWS VPN
- ☐ Use AWS Client VPN
- ☒ Use an AWS Transit Gateway ✓

✗ A corporation want to remove the necessity for pre-deployment estimation of infrastructure capacity. Additionally, the corporation want to spend its money on cloud resources only when the resources are used. \*0/1

Which AWS Cloud feature best meets your business's needs?

- ☐ Reliability
- ☐ Global reach
- ☒ Economies of scale
- ☐ Pay-as-you-go pricing

✗

Correct answer

- ☒ Pay-as-you-go pricing

#### Feedback

*The on-demand pricing model is the true embodiment Of Amazon's pay-as-you-go payment philosophy. You have no upfront payments, which means you're not committing yourself over a long-term period. Amazon will charge you for the compute capacity by the hour, and you can increase or decrease usage depending on your application.*

✓ Which AWS Cloud service gives tips on how to optimize an AWS account's performance?

\*1/1

- ☐ Amazon Inspector
- ☒ AWS Trusted Advisor
- ☐ Amazon CloudWatch
- ☐ AWS CloudTrail



#### Feedback

*AWS Trusted Advisor provides recommendations that help you follow AWS best practices. Trusted Advisor evaluates your account by using checks. These checks identify ways to optimize your AWS infrastructure, improve security and performance, reduce costs, and monitor service quotas.*

✗ Which AWS Cloud best practice makes advantage of cloud computing's flexibility and agility? \*0/1

- ☐ Provision capacity based on past usage and theoretical peaks
- ☐ Dynamically and predictively scale to meet usage demands
- ☒ Build the application and infrastructure in a data center that grants physical access ✗
- ☐ Break apart the application into loosely coupled components

Correct answer

- ☒ Dynamically and predictively scale to meet usage demands

#### Feedback

*In a traditional computing environment, you provision capacity based on an estimate of a theoretical maximum peak. This can result in periods where expensive resources are sitting idle or occasions of insufficient capacity. With cloud computing, you can access as much or as little capacity as you need and dynamically scale to meet actual demand, while only paying for what you use.*



✗ Which architecture design principle describes the need to isolate failures between dependent components in the AWS Cloud? \*0/1

- ☐ Use a monolithic design.
- ☒ Design for automation.
- ☐ Design for single points of failure.
- ☐ Loosely couple components.

✗

Correct answer

- ☒ Loosely couple components.

#### Feedback

Correct Answer: D

*In the cloud practitioner course states that in a microservices approach, application components are loosely coupled. In this case, if a single component fails, the other components continue to work because they are communicating with each other. The loose coupling prevents the entire application from failing.*

✗ A client wants to develop and construct a new workload on AWS Cloud but lacks the necessary technical skills in AWS-related technologies. Which of the following AWS programs may a client use to accomplish that goal? \*0/1

- ☐ AWS Partner Network Technology Partners
- ☒ AWS Marketplace ✗
- ☐ AWS Partner Network Consulting Partners
- ☐ AWS Service Catalog

Correct answer

- ☒ AWS Partner Network Consulting Partners

#### Feedback

*benefits of becoming an APN Consulting Partner include:*

- Access to 'Go-to-market' resources
- Training & Certification,
- Market Development Funding (MDF),
- Innovation Sandbox Credits
- Increased visibility to AWS customers and AWS field teams

✓ Which of the following statements concerning AWS's worldwide infrastructure is true? \* 1/1

- ☐ Availability Zones can span multiple AWS Regions.
- ☐ A VPC can have different subnets in different AWS Regions.
- ☒ AWS Regions consist of multiple Availability Zones. ✓
- ☐ A single subnet can span multiple Availability Zones.

✗ A company wants to eliminate the need to guess infrastructure capacity before deployments. The company also wants to spend its budget on cloud resources only as the company uses the resources. Which advantage of the AWS Cloud matches the company's requirements? \*0/1

- ☐ Reliability
- ☐ Global reach
- ☒ Economies of scale
- ☐ Pay-as-you-go pricing

✗

Correct answer

- ☒ Pay-as-you-go pricing

#### Feedback

*By using cloud computing, you can achieve a lower variable cost than you can get on your own. Because usage from hundreds of thousands of customers is aggregated in the cloud, providers such as AWS can achieve higher economies of scale, which translates into lower pay as-you-go prices.*

✗ Which AWS shared responsibility model duties are the customer's responsibility? (Select two.)

\*0/1

- ☐ Infrastructure facilities access management
- ☒ Cloud infrastructure hardware lifecycle management
- ☐ Configuration management of user's applications
- ☒ Networking infrastructure protection
- ☐ Security groups configuration

✗

✗

Correct answer

- ☒ Configuration management of user's applications
- ☒ Security groups configuration

#### Feedback

*The customer is responsible for the security configuration or firewall (like security groups), Identity and Access Management (IAM), client and server-side encryption and customer data. Now, apart from AWS services, AWS Shared Responsibility also extends to IT controls.*

✗ Users of Amazon Route 53 are able to: \*

0/1

- ☒ encrypt data in transit
- ☐ register DNS domain names
- ☐ generate and manage SSL certificates
- ☐ establish a dedicated network connection to AWS

✗

Correct answer

- ☒ register DNS domain names

#### Feedback

*Amazon Route 53 is a highly available and scalable Domain Name System (DNS) web service.*

*Route 53 connects user requests to internet applications running on AWS or on-premises.*

✗ Which AWS service would determine if a security group has granted \* unlimited access to a resource? 0/1

- ☐ AWS Trusted Advisor
- ☐ Amazon CloudWatch
- ☐ VPC Flow Logs
- ☒ AWS CloudTrail



Correct answer

- ☒ AWS Trusted Advisor

### Feedback

*In the AWS Trusted Advisor, there are lots of controls for security configurations of your AWS*

*resources, some examples are the following:*

*•Security Groups – Specific Ports Unrestricted: This control checks security groups for rules that allow unrestricted access to specific ports such as SSH and RDP. Unrestricted access increases opportunities for malicious activity (hacking, denial-of-service attacks, loss of data).*

✗ Who is responsible for the virtualization layer down to the physical security of the facilities in which AWS services operate under the AWS shared responsibility model? \*0/1

- ☐ It is the sole responsibility of the customer.
- ☐ It is the sole responsibility of AWS.
- ☒ It is a shared responsibility between AWS and the customer. ✗
- ☐ The customer's AWS Support plan tier determines who manages the

Correct answer

- ☒ It is the sole responsibility of AWS.

#### Feedback

*AWS is responsible for protecting the infrastructure that runs all of the services offered in the AWS Cloud. This infrastructure is composed of the hardware, software, networking, and facilities that run AWS Cloud services.*

✗ A company's managed IAM policy does not allow users the rights essential to do needed activities. How is this situation to be resolved? \*0/1

- ☐ 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

Correct answer

- ☒ Create a custom IAM policy

#### Feedback

*When you create or edit IAM policies, AWS can automatically perform policy validation to help you create an effective policy with least privilege in mind. In the AWS Management Console, IAM identifies JSON syntax errors, while IAM Access Analyzer provides additional policy checks with recommendations to help you further refine your policies.*



✗ SQL injection attacks are being launched against an \* 0/1

application from a variety of external locations.

Which AWS service or functionality can assist in automating response to these attacks?

- ☐ AWS WAF
- ☒ Security groups
- ☐ Elastic Load Balancer
- ☐ Network ACL

✗

Correct answer

- ☒ AWS WAF

#### Feedback

*AWS WAF makes it easy to create rules that block common web exploits like SQL injection and cross site scripting. AWS WAF allows you to create a centralized set of rules that you can deploy across multiple websites.*

✓ Which AWS Cloud service gives tips on how to optimize an \* 1/1

AWS account's performance?

- ☐ Amazon Inspector
- ☒ AWS Trusted Advisor
- ☐ Amazon CloudWatch
- ☐ AWS CloudTrail

✓

✓ Which characteristic of the Amazon Virtual Private Cloud (Amazon \* 1/1  
VPC) allows customers to link two VPCs?

- ☐ Amazon VPC endpoints
- ☐ Amazon Elastic Compute Cloud (Amazon EC2) ClassicLink
- ☒ Amazon VPC peering
- ☐ AWS Direct Connect



#### Feedback

*A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them using private IPv4 addresses or IPv6 addresses. Instances in either VPC can communicate with each other as if they are within the same network. You can create a VPC peering connection between your own VPCs, or with a VPC in another AWS account. The VPCs can be in different regions (also known as an inter-region VPC peering connection).*

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

- ☒ They are stateless. ✓
- ☐ They are stateful.
- ☒ They evaluate all rules before allowing traffic. ✗
- ☐ They process rules in order, starting with the lowest numbered rule, when deciding whether to allow traffic.
- ☐ 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 traffic.

#### Feedback

*Correct Answer: AD*

*•Network ACLs are stateless, which means that responses to allowed inbound traffic are subject to the rules for outbound traffic (and vice versa).*

*•Evaluate the network ACL rules when traffic enters and leaves the subnet, not as it is routed within a subnet.*

- ✓ A company wants to run production workload which needs concierge service, a designated AWS technical account manager (TAM), and technical support that is available 24 hours a day, 7 days a week. \*1/1
- Which AWS Support plan will meet these requirements?

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

### Feedback

*Correct Answer: B*

*AWS Enterprise Support provides you with concierge-like service where the main focus is helping you achieve your outcomes and find success in the cloud.*

*With Enterprise Support, you get 24x7 technical support from high-quality engineers, tools and technology to automatically manage health of your environment, consultative architectural guidance delivered in the context of your applications and use-cases, and a designated Technical Account Manager (TAM) to coordinate access to proactive preventative programs and AWS subject matter experts. AWS Enterprise Support is recommended if you have business and/or mission critical workloads in AWS.*

✓ Which scenarios warrant the utilization of Amazon EC2 Spot Instances? \* 1/1

- ☐ A company wants to move its main website to AWS from an on-premises web server
- ☐ A company has a number of application services whose Service Level Agreement (SLA) requires 99.999% uptime.
- ☐ A company's heavily used legacy database is currently running on-premises.
- ☒ A company has a number of infrequent, interruptible jobs that are currently using On-Demand Instances. ✓

### Feedback

*A Spot Instance is an unused Amazon EC2 instance that is available for less than the On-Demand price. Because Spot Instances enable you to request unused EC2 instances at steep discounts, you can lower your Amazon EC2 costs significantly. The hourly price for a Spot Instance is called a Spot price.*

✗ A organization with an AWS Support plan for developers established an Amazon RDS database but is unable to connect to it. \*0/1  
To get this degree of help, who should the developer contact ?

- ☐ AWS Support using a support case
- ☐ AWS Professional Services
- ☐ AWS technical account manager
- ☒ AWS consulting partners

✗

Correct answer

- ☒ AWS Support using a support case

#### Feedback

*Customers with a Developer Support plan have access to these additional features:*

- Best practice guidance*
- Client-side diagnostic tools*
- Building-block architecture support: guidance on how to use AWS products, features, and services together*
- Supports an unlimited number of support cases that can be opened by one primary contact, which is the AWS account root user.*

- ✓ A corporation is required by law to track and access configuration changes to AWS resources, as well as to conduct corrective steps. \*1/1

Which Amazon Web Services (AWS) service should the business use?

- ☒ AWS Config
- ☐ AWS Secrets Manager
- ☐ AWS CloudTrail
- ☐ AWS Trusted Advisor



#### Feedback

*AWS Config continuously monitors and records your AWS resource configurations. You can use the service to automate the evaluation and remediation of recorded configurations against desired configurations. You also can review changes in configurations and relationships between AWS resources and dive into the history of a resource configuration.*

- ✓ Which AWS situations exemplify the idea of elasticity? (Select two.) \* 1/1

- ☒ Scaling the number of Amazon EC2 instances based on traffic.
- ☒ Resizing Amazon RDS instances as business needs change.
- ☐ Automatically directing traffic to less-utilized Amazon EC2 instances.
- ☐ Using AWS compliance documents to accelerate the compliance process.
- ☐ Having the ability to create and govern environments using code.



✗ Which action, in terms of AWS Cloud architecture, is compatible with the concept of least privilege? \*0/1

- ☐ Allow users the minimum access that is needed to do a task.
- ☐ Prevent managers from accessing important source code.
- ☒ Provide only the permissions that are needed for users to do their jobs in the current month. ✗
- ☐ Assign permissions that are based on job titles.

Correct answer

- ☒ Allow users the minimum access that is needed to do a task.

#### Feedback

*Correct Answer: A*

*Least privilege is a principle of granting only the permissions required to complete a task.*

*Least privilege is*

*also one of many Amazon Web Services (AWS) Well-Architected best practices that can help you build*

*securely in the cloud. For example, if you have an Amazon Elastic Compute Cloud (Amazon EC2) instance that*

*needs to access an Amazon Simple Storage Service (Amazon S3) bucket to get configuration data, you should*

*only allow read access to the specific S3 bucket that contains the relevant data.*



✓ What is the most effective approach to link an on-premises network to numerous VPCs located in separate AWS Regions? \*1/1

- ☐ Use AWS Direct Connect
- ☐ Use AWS VPN
- ☐ Use AWS Client VPN
- ☒ Use an AWS Transit Gateway



#### Feedback

*AWS Transit Gateway connects your Amazon Virtual Private Clouds (VPCs) and on-premises networks through a central hub. This connection simplifies your network and puts an end to complex peering relationships. Transit Gateway acts as a highly scalable cloud router—each new connection is made only once.*

✓ A business must transmit time-sensitive communications to a large number of subscribers using a push technique. Which Amazon Web Services (AWS) service should the business use? \*1/1

- ☐ Amazon Kinesis
- ☐ Amazon MQ
- ☐ Amazon Simple Queue Service (Amazon SQS)
- ☒ Amazon Simple Notification Service (Amazon SNS)



#### Feedback

*Amazon SNS allows applications to send time-critical messages to multiple subscribers through a "Push" mechanism.*

✓ A business wishes to strengthen its security and audit posture by restricting incoming access to Amazon EC2. What should the organization use instead of opening incoming SSH ports and handling SSH keys to remotely access instances? \*1/1

- ☐ EC2 key pairs
- ☒ AWS Systems Manager Session Manager ✓
- ☐ AWS Identity and Access Management (IAM)
- ☐ Network ACLs

#### Feedback

*You can use the AWS Systems Manager console to start a session with a managed node in your account.*

✓ Which AWS service enables a business to identify and reroute customers to other servers in the event of a website server outage? \* 1/1

- ☐ Amazon CloudFront
- ☐ Amazon GuardDuty
- ☒ Amazon Route 53 ✓
- ☐ AWS Trusted Advisor

✓ A business is releasing a new application on AWS. The application will be hosted on an Amazon Elastic Compute Cloud (EC2) instance. Additional EC2 instances will be required as the demand grows. Which AWS service or technology can the business utilize to deploy the required number of EC2 instances? \*1/1

- ☐ Elastic Load Balancing
- ☒ Amazon EC2 Auto Scaling
- ☐ AWS App2Container (A2C)
- ☐ AWS Systems Manager



✗ What may be associated to an Amazon EC2 instance through AWS Identity and Access Management (IAM) to initiate service requests? \*0/1

- ☐ Group
- ☐ Role
- ☐ Policy
- ☒ Access key

✗

Correct answer

- ☒ Role

### Feedback

Correct Answer: B

IAM role management

Q: What is an IAM role?

An IAM role is an IAM entity that defines a set of permissions for making AWS service requests. IAM

roles are not associated with a specific user or group. Instead, trusted entities assume roles, such as

IAM users, applications, or AWS services such as EC2

Q: What problems do IAM roles solve?

IAM roles allow you to delegate access with predefined permissions to trusted entities without having to

share long-term access keys. You can use IAM roles to delegate access to IAM users managed within

your account, to IAM Users under a different AWS account. or to an AWS service such as EC2.

Q: How do I get started with IAM roles?

You create a role in a way similar to how you create a user—name the role and attach a policy to it

For details, see *Creating IAM Roles*.

✓ Which features are available to users while use AWS KMS? \*

1/1

- ☐ Create and manage AWS access keys for the AWS account root user
- ☐ Create and manage AWS access keys for an AWS account IAM user
- ☒ Create and manage keys for encryption and decryption of data
- ☐ Create and manage keys for multi-factor authentication



✓ Multiple Regions of the AWS Cloud are an example of: \*

1/1

- ☐ agility.
- ☒ global infrastructure.
- ☐ elasticity.
- ☐ pay-as-you-go pricing.



#### Feedback

*The AWS Cloud spans 99 Availability Zones within 31 geographic regions around the world, with announced plans for 12 more Availability Zones and 4 more AWS Regions in Canada, Israel, New Zealand, and Thailand.*

✗ Before transferring an environment to the AWS Cloud, a cloud practitioner \* 0/1 must receive AWS compliance reports.  
How are these reports produced?

- ☐ Contact the AWS Compliance team
- ☐ Download the reports from AWS Artifact
- ☐ Open a case with AWS Support
- ☒ Generate the reports with Amazon Macie

✗

Correct answer

- ☒ Download the reports from AWS Artifact

#### Feedback

Correct Answer: B

AWS Artifact provides a central resource for AWS security and compliance reports. The artifacts available in AWS Artifact include Service Organization Control (SOC) reports, Payment Card Industry (PCI) reports, and certifications from accreditation bodies that validate the implementation and operating effectiveness of AWS security controls.

- ✓ A corporation want to remove the necessity for pre-deployment estimation \*1/1

of infrastructure capacity. Additionally, the corporation want to spend its money

on cloud resources only when the resources are used.

Which AWS Cloud feature best meets your business's needs?

- ☐ Reliability
- ☐ Global reach
- ☐ Economies of scale
- ☒ Pay-as-you-go pricing



- ✓ How can a user safeguard against AWS service outages in the event of a \*1/1 widespread natural disaster?

- ☐ Deploy applications across multiple Availability Zones within an AWS Region.
- ☐ Use a hybrid cloud computing deployment model within the geographic area.
- ☒ Deploy applications across multiple AWS Regions.
- ☐ Store application artifacts using AWS Artifact and replicate them across multiple AWS Regions



#### Feedback

*An AWS Region is a geographic location where AWS provides multiple, physically separated and isolated*

*Availability Zones which are connected with low latency, high throughput, and highly redundant networking.*

✗ Which tasks need access to the root user of the AWS account? (Select two.) \*0/1

- ☒ Changing an AWS Support plan ✓
- ☒ Modifying an Amazon EC2 instance type ✗
- ☐ Grouping resources in AWS Systems Manager
- ☐ Running applications in Amazon Elastic Kubernetes Service (Amazon EKS)
- ☐ Closing an AWS account

Correct answer

- ☒ Changing an AWS Support plan
- ☒ Closing an AWS account

### Feedback

#### Tasks

Change your account settings. This includes the account name, email address, root user password, and root user access keys. Other account settings, such as contact information,

payment currency preference, and Regions, do not require root user credentials.

- Restore IAM user permissions. If the only IAM administrator accidentally revokes their own permissions, you can sign in as the root user to edit policies and restore those permissions.

Activate IAM access to the Billing and Cost Management console.

- View certain tax invoices. An IAM user with the `aws-portal:ViewBilling` permission can view and download VAT invoices from AWS Europe, but not AWS or Amazon Internet Services Pvt. Ltd (AISPL).

Close your AWS account.

- Change your AWS Support plan or Cancel your AWS Support plan Z. For more information, see IAM for AWS Support e.

- Register as a seller in the Reserved Instance Marketplace.

Configure an Amazon S3 bucket to enable MFA (multi-factor authentication) Delete.

- Edit or delete an Amazon S3 bucket policy that includes an invalid VPC ID or VPC endpoint ID.

Sign up for GovCloud.



✗ What does it mean to provide AWS IAM users the fewest possible \* privileges? 0/1

- ☐ It is granting permissions to a single user only.
- ☒ It is granting permissions using AWS IAM policies only. ✗
- ☐ It is granting AdministratorAccess policy permissions to trustworthy users.
- ☐ It is granting only the permissions required to perform a given task.

Correct answer

- ☒ It is granting only the permissions required to perform a given task.

#### Feedback

*When you create IAM policies, follow the standard security advice of granting least privilege, or granting only the permissions required to perform a task. Determine what users (and roles) need to do and then craft policies that allow them to perform only those tasks.*

✓ What time-saving benefits can Amazon Rekognition provide? \* 1/1

- ☐ Amazon Rekognition provides automatic watermarking of images.
- ☒ Amazon Rekognition provides automatic detection of objects appearing in pictures. ✓
- ☐ Amazon Rekognition provides the ability to resize millions of images automatically.
- ☐ Amazon Rekognition uses Amazon Mechanical Turk to allow humans to bid an object detection jobs.

✓ A business needs to guarantee that users of the AWS Management \* 1/1  
Console adhere to password complexity guidelines.  
How can a business customize the difficulty of its passwords?

- ☐ Using an AWS IAM user policy
- ☐ Using an AWS Organizations service control policy (SCP)
- ☒ Using an AWS IAM account password policy ✓
- ☐ Using an AWS Security Hub managed insight

✓ A business wishes to transfer its apps to an AWS VPC. These apps will \*1/1  
need access to resources located on-premises.

Which combination of activities will allow the business to achieve this  
objective? (Select  
two.)

- ☐ Use the AWS Service Catalog to identify a list of on-premises resources that can be migrated.
- ☒ Build a VPN connection between an on-premises device and a virtual private gateway in the new VPC. ✓
- ☐ Use Amazon Athena to query data from the on-premises database servers.
- ☒ Connect the company's on-premises data center to AWS using AWS Direct Connect. ✓
- ☐ Leverage Amazon CloudFront to restrict access to static web content provided through the company's on-premises web servers.

#### Feedback

*AWS Direct Connect - Link your AWS and on-premises networks to build applications that span environments without compromising performance.*

✓ What does the AWS Cloud bring clients in terms of increased execution speed and agility? (Select two.) \*1/1

- ☒ Scalable compute capacity ✓
- ☐ Free Tier services usage
- ☐ Access to AWS data centers
- ☐ Lower resource provisioning cost
- ☒ Readily available resources with low provisioning times ✓

✓ What storage capabilities does Amazon S3 Intelligent-Tiering provide? \* 1/1

- ☐ Payment flexibility by reserving storage capacity
- ☐ Long-term retention of data by copying the data to an encrypted Amazon Elastic Block Store (Amazon EBS) volume
- ☐ Secure, durable, and lowest cost storage for data archival
- ☒ Automatic cost savings by moving objects between tiers based on access pattern changes ✓

#### Feedback

*The S3 Intelligent-Tiering storage class delivers automatic storage cost savings in three low latency and high throughput access tiers. It also offers optional archive capabilities to help you get the lowest storage costs in the cloud for data that can be accessed in minutes to hours.*

✓ On Amazon EC2 instances, a business has installed various relational databases. Each month, the database software manufacturer publishes new security updates for databases that must be deployed. Which method is the MOST EFFECTIVE for applying security patches? \*1/1

- ☐ Connect to each database instance on a monthly basis, and download and apply the necessary security patches from the vendor.
- ☐ Enable automatic patching for the instances using the Amazon RDS console.
- ☐ In AWS Config, configure a rule for the instances and the required patch level.
- ☒ Use AWS Systems Manager to automate database patching according to a schedule. ✓

✓ Which of the following may be used to restrict certain users' access to Amazon Simple Storage Service (Amazon S3) buckets? \* 1/1

- ☐ A public and private key-pair
- ☐ Amazon Inspector
- ☒ AWS Identity and Access Management (IAM) policies ✓
- ☐ Security Groups

- ✓ A business is contemplating migrating to the AWS Cloud. \* 1/1
- The firm wishes to be able to scale its computing capacity in response to changing demand conditions.
- Which AWS Cloud advantage does this case illustrate?

- ☐ Global deployments in minutes
- ☐ Cost savings
- ☐ Agility
- ☒ Elasticity



#### Feedback

*In AWS, the process of getting the resources dynamically when you actually require them and then release the resources when you are done and do not need them is known as elasticity. In another way, growing or shrinking the resources dynamically when needed is known as Elasticity.*

- ✓ What storage capabilities does Amazon S3 Intelligent-Tiering provide? \* 1/1

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- ☐ Secure, durable, and lowest cost storage for data archival



✓ Which operation needs the usage of the root account user credentials for \*1/1 the AWS account?

- ☒ Closing an AWS account
- ☐ Creating a log file
- ☐ Modifying IAM user permissions
- ☐ Deleting IAM users



#### Feedback

*To close your AWS account, do the following: Sign in to the AWS Management Console as the root user of the account. From the navigation bar, choose your account name, and then choose Account.*

✓ When building an Amazon Relational Database Service (Amazon RDS) instance in Multiple Availability Zone mode, which architectural concept is followed? \*1/1

- ☐ Implement loose coupling.
- ☒ Design for failure.
- ☐ Automate everything that can be automated.
- ☐ Use services, not servers.



✗ Which of the following is a duty of AWS under the AWS shared \* responsibility model?

0/1

- ☐ Enabling server-side encryption for objects stored in S3
- ☒ Applying AWS IAM security policies
- ☐ Patching the operating system on an Amazon EC2 instance
- ☐ Applying updates to the hypervisor

✗

Correct answer

- ☒ Applying updates to the hypervisor

### Feedback

Correct Answer: D

A hypervisor is a software that you can use to run multiple virtual machines on a single physical machine. Every virtual machine has its own operating system and applications. The hypervisor allocates the underlying physical computing resources such as CPU and memory to individual virtual machines as required. Thus, it supports the optimal use of physical IT infrastructure.

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