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Level: Beginner

AWS Certified Cloud Practitioner[← Back to the Course](#)**Practice Test IV - Practice Mode**

Completed on Thu, 26 Oct 2023

2nd
Attempt

0/65

Marks Obtained



0.00%

Your Score

**FAIL**

Result

Domain wise Quiz Performance Report

No.	Domain	Total Question	Correct	Incorrect	Unattempted
1	Cloud Concepts	11	0	0	11
2	Security and Compliance	12	0	0	12
3	Cloud Technology and Services	35	0	0	35
4	Billing, Pricing, and Support	7	0	0	7
Total	All Domains	65	0	0	65

Review the Answers

Filter By All Questions

Question 1

Unattempted

Domain: Cloud Technology and Services

I need to provide my employees with secure access to my Organization's internal websites & SaaS applications. Which is the AWS service that will help me do so with the lowest cost, infrastructure management & ease of use?

A. AWS AppStream

B. AWS WorkSpaces

C. AWS WorkSpaces Web right

D. Use AWS client VPN solution to connect to the Organization's internal websites & SaaS applications

Explanation:

Correct Answer: C

Option A is incorrect. AppStream is essentially used to stream applications to end users. Since the requirement here is to provide access to an entire Organization's internal setup (i.e Applications, internal websites), Appstream will not be a suitable candidate for this use case

Option B is incorrect. WorkSpaces provides users with a complete Virtual Desktop solution (DaaS) that they can use for their software development activities. One would still need to manage the Workspace Desktops.

Option C is CORRECT. WorkSpaces Web is a low cost fully managed Workspace that is built specifically for facilitating web-based workloads (internal websites, SaaS applications). WorkSpaces Web essentially allows an organization to provide its users with a customized, hardened, and secure Chrome browser experience. It frees one from having to manage workspace desktops and images thus providing a cost-efficient solution with no infrastructure to manage

Option D is incorrect. AWS client VPN will require users to install, configure & manage VPN client applications. Since one of the requirements is ease of use, this option will not be a suitable candidate for this use case

Reference:

[What is Amazon WorkSpaces Web? – Amazon WorkSpaces Web](#)

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Question 2

Unattempted

Domain: Cloud Technology and Services

What is the default count for Network ACLs supported by Amazon VPC spanning multiple AZs?

A. 20 Network ACLs per VPC

B. 200 Network ACLs per AZ

C. 200 Network ACLs per VPC right

D. 20 Network ACLs per AZ

Explanation:

Correct Answer: C

Default count of Network ACLs supported per VPC is 200. This is a soft limit & can be adjusted as per customer needs. This count is per VPC & not per AZ in which Amazon VPC spans.

Option A is incorrect as Default count of Network ACLs supported per VPC is 200 & not 20.

Option B is incorrect as Default count of Network ACLs supported is per VPC spanning multiple AZ & is not per AZ. It supports 200 Network ACLs in a VPC irrespective of the multiple AZ it spans.

Option D is incorrect as Default count of Network ACLs supported is per VPC spanning multiple AZ & is not per AZ. It supports 200 Network ACLs in a VPC irrespective of the multiple AZ it spans.

For more information on Amazon VPC quotas , refer to the following URL,

<https://docs.aws.amazon.com/vpc/latest/userguide/amazon-vpc-limits.html>

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Question 3

Unattempted

Domain: Cloud Technology and Services

My Organization needs to automate the build & deployment process of their code artifacts stored in project repositories. The AWS service that will help me do so is

A. CodeBuild

B. CodeDeploy

C. CodePipeline right

D. Both A & B

Explanation:

Correct Answer: C

Option A is incorrect. AWSCodeBuild is a fully managed Continuous Integration service that can compile code, run tests, create Docker images, and produce packages that are ready to deploy

Option B is incorrect. AWSCodeDeploy is a managed deployment service that is responsible for automating software deployments to a variety of compute services like EC2, ECS, and Lambda. CodeDeploy takes inputs from packages that are produced by CodeBuild

Option C is CORRECT. Using CodePipeline you can build a CI/CD pipeline that automates the entire process of extracting code from the source code repository, running the build & deploy stages to finally deploy artifacts to different AWS compute environments like EC2, ECS, Elastic BeanStalk, etc.

Option D is incorrect. Both CodeBuild & CodeDeploy can perform individual tasks of building & deploying code extracted from the source repository. Since the requirement is to automate the entire CI/CD tasks, CodePipeline will be the correct answer which will use CodeBuild & CodeDeploy as its CI/CD stages to build a complete automation solution

Reference:

Learn more about how to achieve CI/CD automation using CodePipeline with the following reference documentation

[What is AWS CodePipeline? - AWS CodePipeline \(amazon.com\)](#)

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Question 4

Unattempted

Domain: Cloud Technology and Services

Project team enhancing the security features of a banking application, requires implementing a threat detection service that continuously monitors malicious activities and unauthorized behaviors to protect AWS accounts, workloads, and data stored in Amazon S3. Which AWS services should the project team select?

- A. AWS Shield
- B. AWS Firewall Manager
- C. Amazon GuardDuty right
- D. Amazon Inspector

Explanation:

Answer: C

Option A is INCORRECT. AWS Shield is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS.

Option B is INCORRECT. AWS Firewall Manager is a security management service that allows you to centrally configure and manage firewall rules across your accounts and applications in AWS Organization.

Option C is CORRECT. Amazon GuardDuty is a threat detection service that continuously monitors malicious activities and unauthorized behaviors to protect your AWS accounts, workloads, and data stored in Amazon S3.

Option D is INCORRECT. Amazon Inspector is an automated security assessment service that helps improve the security and compliance of applications deployed on AWS.

Reference:

<https://aws.amazon.com/guardduty/>

<https://aws.amazon.com/firewall-manager/>

<https://aws.amazon.com/shield/>

<https://aws.amazon.com/inspector/>

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Question 5

Unattempted

Domain: Billing, Pricing, and Support

Which of the following support plans offer 24*7 technical support via phone, email, and chat access to Cloud Support Engineers? (Select TWO.)

- A. Basic
- B. Developer
- C. Business right
- D. Premium
- E. Enterprise right

Explanation:

Answer: C and E

Option A is INCORRECT because 24*7 technical support via phone, email, and chat access to Cloud Support Engineers is not available in Basic Plan.

Option B is INCORRECT because 24*7 technical support via phone, email, and chat access to Cloud Support Engineers is not available in the Developer Plan.

Option C is CORRECT. 24*7 technical support via phone, email, and chat access to Cloud Support Engineers is available in Business Plan.

Option D is INCORRECT. There is no Premium plan.

Option E is CORRECT. 24*7 technical support via phone, email, and chat access to Cloud Support Engineers is available in Enterprise Plan.

Reference:

<https://aws.amazon.com/premiumsupport/plans/>

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Question 6

Unattempted

Domain: Cloud Concepts

Which AWS product provides a unified user interface, enabling easy management of software development activities in one place, along with, quick development, build, and deployment of applications on AWS?

- A. Amazon CodeGuru.
- B. AWS CodeBuild
- C. AWS CodeArtifact
- D. AWS CodeStar right

Explanation:

Answer: D

Option A is INCORRECT. Amazon CodeGuru is a developer tool powered by machine learning that provides intelligent recommendations for improving code quality and identifying an application's most expensive lines of code.

Option B is INCORRECT. AWS CodeBuild is a fully managed continuous integration service that compiles source code, runs tests, and produces software packages that are ready to deploy.

Option C is INCORRECT. AWS CodeArtifact is a fully managed artifact repository service that makes it easy for organizations of any size to securely store, publish, and share software packages used in their software development process.

Option D is CORRECT. AWS CodeStar enables you to develop, build, and deploy applications on AWS quickly. AWS CodeStar provides a unified user interface, enabling you to manage your software development activities in one place easily.

Reference:

<https://aws.amazon.com/codeguru/>

<https://aws.amazon.com/codeartifact/>

<https://aws.amazon.com/codebuild/>

<https://aws.amazon.com/codestar/>

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Question 7

Unattempted

Domain: Security and Compliance

_____ automates the discovery of sensitive data at scale and lowers the cost of protecting your data using machine learning and pattern matching techniques.

- A. Amazon Macie right
- B. AWS Shield
- C. Amazon GuardDuty
- D. AWS Security Hub

Explanation:

Answer: A

Option A is CORRECT. Amazon Macie automates the discovery of sensitive data at scale and lowers the cost of protecting your data.

Option B is INCORRECT. AWS Shield is a managed Distributed Denial of Service (DDoS) protection service that safeguards applications running on AWS.

Option C is INCORRECT. Amazon GuardDuty is a threat detection service that continuously monitors the malicious activities and unauthorized behaviors to protect your AWS accounts, workloads, and data stored in Amazon S3.

Option D is INCORRECT. AWS Security Hub gives you a comprehensive view of your high-priority security alerts and security posture across your AWS accounts.

References:

<https://aws.amazon.com/macie/>

<https://aws.amazon.com/shield/>

<https://aws.amazon.com/guardduty/>

<https://aws.amazon.com/security-hub/>

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Question 8

Unattempted

Domain: Security and Compliance

Security and Compliance is a shared responsibility between AWS and the customer. Which amongst the below-listed options are AWS responsibilities? (Select TWO.)

- A. Perform all the necessary security configuration and management tasks for Amazon Elastic Compute Cloud (Amazon EC2).
- B. Patch management of the guest OS and applications
- C. Security of the data in the AWS cloud
- D. Security of the AWS cloud right
- E. Patch management within the AWS infrastructure right

Explanation:

Answer: D and E

Option A is INCORRECT because Amazon Elastic Compute Cloud (Amazon EC2) is categorized as Infrastructure as a Service (IaaS). Hence this is the customer's responsibility.

Option B is INCORRECT because AWS is responsible for patching and fixing flaws within the infrastructure. But customers are responsible for patching their guest OS and applications.

Option C is INCORRECT as Security of the data in the cloud is the customer's responsibility.

Option D is CORRECT as security of the cloud is AWS's responsibility.

Option E is CORRECT. AWS is responsible for patching and fixing flaws within the infrastructure.

Reference:

<https://aws.amazon.com/compliance/shared-responsibility-model/>

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**Question 9**

Unattempted

Domain: Cloud Technology and Services

Which of the following statements accurately describes AWS IQ?

- A. AWS IQ is an artificial intelligence service that predicts cloud infrastructure costs
- B. AWS IQ is a service that offers free cloud computing resources to AWS customers
- C. AWS IQ is a platform that connects AWS customers with certified freelancers, experts, and consulting firms for various AWS-related tasks right
- D. AWS IQ is a hardware appliance for secure data storage in AWS data centers

Explanation:

Correct Answer: C

AWS IQ is a platform that connects AWS customers with certified freelancers, experts, and consulting firms for various AWS-related tasks. This platform helps customers find and engage experts to assist with their specific AWS projects and tasks, making it a valuable resource for AWS customers looking for professional assistance.

Option A is incorrect because AWS IQ is not an artificial intelligence service for predicting cloud infrastructure costs. It is a platform for connecting customers with experts.

Option B is incorrect because AWS IQ does not offer free cloud computing resources. It is a marketplace for connecting customers with experts and involves payment for the services provided.

Option D is incorrect because AWS IQ is not a hardware appliance for data storage but rather a platform for connecting customers with AWS experts.

Reference:

<https://docs.aws.amazon.com/aws-iq/latest/user-guide/what-is-aws-iq.html>

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Question 10

Unattempted

Domain: Cloud Technology and Services

An engineering firm is deploying a large number of servers in multiple subnets created in Amazon VPC. The IT team is concerned about the number of route tables per VPC. What is the correct number of route tables supported per Amazon VPC?

- A. 100
- B. 200 right
- C. 20
- D. 50

Explanation:

Correct Answer: B

200 Route tables are supported per VPC. This is a soft limit & can be adjusted as per customer needs. Each of these route tables supports 50 non-propagated routes & 100 BGP advertised propagated routes.

Option A is incorrect as Each Amazon VPC supports 200 route tables & not 100 route tables.

Option C is incorrect as Each Amazon VPC supports 200 route tables & not 20 route tables.

Option D is incorrect as Each Amazon VPC supports 200 route tables & not 50 route tables.

For more information on Amazon VPC quotas, refer to the following URL,

<https://docs.aws.amazon.com/vpc/latest/userguide/amazon-vpc-limits.html>

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Question 11

Unattempted

Domain: Cloud Technology and Services

An industry regulatory body requires a healthcare insurance company to fully control cryptographic key management locally to ensure the safeguarding of sensitive patient data. How can the organization achieve this, given that all their workloads are in the cloud?

A. AWS Key Management Service (KMS)

B. AWS Certificate Manager (ACM)

C. AWS CloudHSM right

D. Server-Side Encryption (SSE)

Explanation:

Correct Answer: C

AWS CloudHSM allows the administrator to have full and exclusive control over the generation and management of cryptographic keys on actual hardware security modules that are physically stored in AWS data centers.

<https://aws.amazon.com/cloudhsm/>

Option A is INCORRECT because AWS Key Management Service (KMS) is a fully-managed AWS service. This makes the service an ineligible option since the prerequisite of the use case is for the company to retain full control and administrator of the keys.

Option B is INCORRECT because AWS Certificate Manager (ACM) is primarily for issuing verified security certificates for SSL/HTTPS on AWS resources such as Elastic Load Balancer or Web Application Firewall (WAF).

Option D is INCORRECT because server-side encryption (SSE) is typically encryption of objects or data within the bucket in Amazon S3. The data is encrypted at the object level as it is saved on AWS storage infrastructure and then decrypted when it is accessed.

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Question 12

Unattempted

Domain: Cloud Technology and Services

You are developing a web application that requires real-time collaboration features and seamless integration with AWS services for the backend. Which AWS service should you consider for simplifying the development and implementation of these features?

A. AWS AppSync

B. AWS Amplify right

C. Amazon RDS

D. AWS Device Farm

Explanation:

Correct Answer: B

AWS Amplify is a framework that simplifies the development of web and mobile applications by providing tools and services to streamline the process. It enables seamless integration with various AWS services for the backend, making it a suitable choice for simplifying the development and implementation of real-time collaboration features in web applications.

Option A is incorrect because AWS AppSync, while capable of handling real-time data synchronization, is primarily designed for applications using GraphQL APIs, and it may not be the most straightforward choice for the above scenario.

Option C is incorrect because Amazon RDS is a managed database service used to simplify the process of setting up, operating, and scaling relational databases in the cloud.

Option D is incorrect because AWS Device Farm is a testing service for mobile and web applications on real devices.

Reference:

<https://docs.aws.amazon.com/amplify/latest/userguide/welcome.html>

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Question 13

Unattempted

Domain: Cloud Concepts

Based on the AWS Well-Architected Framework, how should a start-up company with multiple AWS environments manage its users and resources without affecting the cost?

A. Create multiple unique IAM users with administrator access for each functional group of the company.

B. Use of AWS CloudFront template versions and revision controls to keep track of the dynamic configuration changes.

C. Use AWS Organizations with respective OUs that differentiate billing across the company's AWS account. right

D. Provisioning resources and compute capacity for future growth.

Explanation:

Correct Answer: C

Option A is INCORRECT because creating multiple IAM users with administrator privileges is not a best practice. Rights and privileges should be assigned on a least privileged basis.

Option B is INCORRECT because AWS CloudFront service is a content distribution service that does not have configuration templates, nor does it perform this function. This is the function of AWS CloudFormation.

Option C is CORRECT Based on the Cost and Optimization pillar, a focal area is the analysis of costs within the AWS environment and how they are distributed within functional groups or departments of the company. AWS Organization provides composite billing into a single account.

Option D is INCORRECT because provisioning of resources and compute capacity that accommodates future growth means that there is a capacity that is idle in anticipation of long-term growth. According to the AWS Well-Architected Framework reliability pillar, this is not cost-effective; the company should only pay for what is being used.

References:

<https://wa.aws.amazon.com/wat.pillar.costOptimization.en.html>

<https://docs.aws.amazon.com/wellarchitected/latest/security-pillar/wellarchitected-security-pillar.pdf>

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Question 14

Unattempted

Domain: Cloud Technology and Services

You are working on a software development project that involves managing and distributing software packages and dependencies across your development team. You need a secure and scalable solution for storing and sharing these artifacts. Which AWS service should you consider for this purpose?

A. AWS CodeCommit

B. AWS CodeStar

C. AWS CodeBuild

D. AWS CodeArtifact right

Explanation:

Correct Answer: D

AWS CodeArtifact is designed for secure and scalable artifact management, making it an excellent choice for storing and sharing software packages and dependencies.

Option A is incorrect because AWS CodeCommit is a managed source code repository service, primarily used for version control and collaboration on source code. It's not designed for storing and managing software artifacts and dependencies.

Option B is incorrect because AWS CodeStar is a developer tool that simplifies the setup and management of development projects, including integration with AWS services like CodeCommit, CodeBuild, and CodeDeploy.

Option C is incorrect because AWS CodeBuild is designed to compile, build, and test code in a scalable and efficient manner, helping development teams automate and streamline their build and deployment processes.

Reference:

<https://aws.amazon.com/codeartifact/>

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Question 15

Unattempted

Domain: Cloud Concepts

Which of the following tools can be used to check service limits for resources launched within AWS Cloud Infrastructure?

A. AWS Config

B. AWS Trusted Advisor right

C. Amazon CloudWatch

D. AWS CloudTrail

Explanation:

Correct Answer: B

AWS Trusted Advisor checks for service usage for all the resources within AWS Cloud and provides notifications.

Option A is incorrect as AWS Config can be used to audit, evaluate configurations of AWS resources. But it does not check service limits for resources.

Option C is incorrect as Amazon CloudWatch monitors AWS resources and applications on these resources. But it does not check service limits for resources.

Option D is incorrect as AWS CloudTrail is a logging service, recording activity made to AWS resources. But it does not check service limits for resources.

For more information on AWS Trusted Advisor, refer to the following URL:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

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**Question 16**

Unattempted

Domain: Cloud Technology and Services

A retail e-commerce firm is planning to use Oracle SQL database for its new application to be hosted on AWS cloud. Which of the following is the preferred option for full control of the transactional database and having access to the operating system level of the resources?

- A. Run database using Amazon DynamoDB
- B. Run database using Amazon EC2 right
- C. Run database using Amazon RDS
- D. Run database using Amazon Aurora

Explanation:**Correct Answer: B**

Oracle SQL database can be installed on Amazon EC2 instance for full control of the database. It provides users full access to the operating system level of the resources. Amazon EC2 instances can also be used in case Oracle database versions or features are not supported by Amazon RDS.

Option A is incorrect as Amazon DynamoDB is suitable for NoSQL database & not for Oracle SQL database.

Option C is incorrect as running a database using Amazon RDS will not provide full access to the database. With Amazon RDS, users do not get access to operating systems of the DB instance. Amazon RDS is a managed solution for highly scalable, highly available, secure databases in AWS cloud. With the database running on an Amazon EC2 instance, the customer is responsible for managing the instance, which includes routine patching & maintenance work. Customers also have to manage backups, scalability & redundancy of databases. With Amazon RDS, the underlined DB instance is managed by AWS.

Option D is incorrect as Amazon Aurora is a relational database which is compatible with MySQL & PostgreSQL. It is not compatible with Oracle SQL databases.

For more information on installing databases on Amazon EC2 instance, refer to the following URL,

<https://docs.aws.amazon.com/whitepapers/latest/oracle-database-aws-best-practices/choosing-between-amazon-rds-amazon-ec2-or-vmware-cloud-on-aws-for-your-oracle-database.html>

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Question 17

Unattempted

Domain: Cloud Technology and Services

You are tasked with building and deploying a machine-learning model to predict customer preferences for an e-commerce platform. Which AWS service provides end-to-end machine learning capabilities?

- A. Amazon SageMaker right
- B. Amazon Lex
- C. Amazon Polly
- D. Amazon Kendra

Explanation:

Correct Answer: A

Amazon SageMaker is the correct choice for building and deploying machine learning models with end-to-end capabilities. It covers the entire machine-learning workflow, including data preprocessing, and model training.

Option B is incorrect because Amazon Lex is a service for building conversational interfaces using chatbots and voice-enabled applications. It is not designed for building and deploying machine learning models for predicting customer preferences.

Option C is incorrect because Amazon Polly is a service that converts text into lifelike speech. It is not used for machine learning model development or predictive analytics.

Option D is incorrect because Amazon Kendra is a service for building intelligent search capabilities into applications. While it is valuable for search and retrieval tasks, it is not designed for building machine learning models for predictive analytics.

Reference:

<https://docs.aws.amazon.com/sagemaker/latest/dg/whatis.html>

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Question 18

Unattempted

Domain: Cloud Technology and Services

An administrator needs to manage many AWS accounts within a big organization. Which of the following is the most appropriate AWS service for an administrator to utilize?

- A. AWS CloudTrail
- B. IAM Roles
- C. IAM Policies
- D. AWS Organizations right

Explanation:

Correct Answer: D

Option A is INCORRECT because CloudTrail is a tool to track AWS API activities.

Option B is INCORRECT because IAM Roles are typically utilized when one AWS service grants access to another. The use case requires access management to several services.

Option C is INCORRECT because the implementation of IAM Policies cannot manage access to specific sets of AWS services. Thus this option does not meet the requirements of the use case.

Option D is CORRECT because AWS Organizations order AWS accounts into logical groups called organization units and is a suitable tool to manage many AWS accounts.

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Question 19

Unattempted

Domain: Cloud Technology and Services

In a customer support application, there is a need for a chatbot to assist users in finding quick answers to frequently asked questions. Which AWS service is suitable for building this chatbot with natural language understanding capabilities?

- A. Amazon Rekognition
- B. Amazon Lex right
- C. Amazon Polly
- D. Amazon Kendra

Explanation:

Correct Answer: B

Amazon Lex is the correct choice for developing a chatbot with natural language understanding capabilities. It enables the creation of conversational interfaces and chatbots that can comprehend and respond to user queries in natural language.

Option A is incorrect because Amazon Rekognition is a service for image and video analysis, primarily used for tasks like object recognition and facial analysis. It is not intended for chatbot development or natural language understanding.

Option C is incorrect because Amazon Polly is a service that converts text into lifelike speech but does not provide natural language understanding capabilities or chatbot development features.

Option D is incorrect because Amazon Kendra is an intelligent search service designed to provide highly accurate and efficient search capabilities for documents and data. It does not focus on chatbot development or natural language understanding.

Reference:

<https://docs.aws.amazon.com/lex/latest/dg/what-is.html>

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Question 20

Unattempted

Domain: Cloud Technology and Services

Which of the following accurately describes a typical use case in which the AWS CodePipeline service can be utilized?

- A. To compose code in an integrated development environment that enables developers to run, test and debug components of a dynamic microservice.
- B. To compile and deploy a microservice onto Amazon EC2 instances or AWS Lambda functions.
- C. To securely share code, collaborate on source code, version control and store binaries on an AWS fully-managed platform that scales seamlessly.
- D. To orchestrate and automate the various phases involved in the release of application updates in-line with a predefined release model. right

Explanation:**Correct Answer:** D

The question is looking for a typical use case for AWS CodePipeline. Option D is the most appropriate because AWS CodePipeline is typically utilized when orchestrating and automating the various phases involved in the release of application updates in-line with a release model that the developer defines.

<https://aws.amazon.com/codepipeline/>

Option A is **INCORRECT** because composing code in an integrated development environment that enables developers to run, test, and debug components of a dynamic microservice is the typical AWS Cloud9 IDE function.

Option B is **INCORRECT** because compiling and deploying microservices on Amazon EC2 instances or AWS Lambda functions are the typical functions of AWS CodeDeploy.

Option C is **INCORRECT** because securely sharing code, collaborating on source code, version control and storing binaries on an AWS fully-managed platform describe the functions of CodeCommit.

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**Question 21**

Unattempted

Domain: Cloud Technology and Services

Which of the following support plans provide monitoring of the environment by the designated Technical Account Manager (TAM)?

- A. Developer
- B. Business
- C. Enterprise On-Ramp
- D. Enterprise right

Explanation:

Correct Answer: D

Option D is correct because only the Enterprise support plan provides monitoring of the environment by the **designated** Technical Account Manager (TAM).

	Developer	Business	Enterprise On-Ramp	
Proactive Programs and Self Service	Access to Support Automation Workflows with prefixes AWSSupport	Access to Infrastructure Event Management for additional fee	Infrastructure Event Management (one-per-year)	Infrastructure
Technical Account Management		Access to Support Automation Workflows with prefixes AWSSupport and AWSPremiumSupport	Access to Support Automation Workflows with prefixes AWSSupport and AWSPremiumSupport	Access to and deep

References:

<https://aws.amazon.com/premiumsupport/plans/>

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Question 22

Unattempted

Domain: Cloud Technology and Services

Which of the following devices is most suitable for transferring 60 terabytes of data with in-transit data processing from the remote location to AWS in a single attempt?

A. AWS Snowcone**B. AWS Snowball Edge Storage Optimized** right**C. AWS Snowball Edge Compute Optimized****D. AWS Snowmobile****Explanation:****Correct Answer: B**

AWS Snowball Edge Storage Optimized is most suitable for transferring 60 TB of data from on-premise to AWS. It supports 100 TB (80 TB usable) storage capacity. It also has 24 vCPUs, and 32 GiB of memory of compute capability which can perform in-transit data processing.

Option A is incorrect as AWS Snowcone is suitable for data transfer up to 14 terabytes. AWS Snowcone supports 8 terabytes of storage, while AWS Snowcone Solid State Drive (SSD) supports 14 terabytes of storage.

Option C is incorrect as AWS Snowball Edge Compute Optimized is suitable for a storage capacity of 42 TB (39.5 usable) HDD and 7.68 TB SSD. This is more suitable for performing complex processing during data transfer.

Option D is incorrect as AWS Snowmobile is suitable for large data transfer up to 100 petabytes. Using AWS Snowmobile for transferring 60 terabyte data will be oversized. Also, AWS Snowmobile is not suitable for in-transit data processing.

For more information on the AWS Snow family, refer to the following URLs,

<https://aws.amazon.com/snow/>

<https://docs.aws.amazon.com/snowball/latest/developer-guide/device-differences.html>

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**Question 23**

Unattempted

Domain: Security and Compliance

With a focus on the Well-Architected Framework's security pillar, you want to define standards and best practices for your EC2 instances and validate adherence to these standards so as the workload security is enhanced. Which of the below would you choose?

A. Amazon Detective

B. AWS Inspector right

C. AWS Security Hub

D. AWS Resource Access Manager (RAM)

Explanation:

Answer: B

Option A is Incorrect. Amazon Detective is a security service that makes use of AI making it easy for the users to identify, analyse and investigate security issues or suspicious activities. Amazon Detective offers advantages in terms of swifter investigations by providing visualizations that are easy to use.

Option B is Correct. Amazon Inspector is a tool to perform security assessment. Inspector gives us ability to define standards and best practices and assesses adherence to these standards.

Option C is Incorrect. AWS Security Hub is an AWS service that gives a comprehensive view of security alerts and other security related information from across different AWS accounts, services and other configured 3rd party applications.

Option D is Incorrect. AWS Resource Access Manager (RAM) is a service that enables users to share AWS resources easily and securely. The resources could be shared with any AWS account or within your AWS Organization.

References:

<https://aws.amazon.com/detective/>

<https://aws.amazon.com/inspector/>

<https://aws.amazon.com/security-hub/>

<https://aws.amazon.com/ram/>

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Question 24

Unattempted

Domain: Security and Compliance

An administrator receives an alert and detailed report regarding credit card information that has been erroneously uploaded by a user into one of the S3 buckets during an online questionnaire exercise for a survey. Which AWS service provided this detection and report?

A. Amazon Inspector

- B. Amazon EventBridge
- C. Amazon Detective
- D. Amazon Macie right

Explanation:

Correct Answer: D

Amazon Macie is a fully managed AWS service that provides data security and privacy using machine learning algorithms, artificial intelligence and pattern matching. These mechanisms detect, discover, monitor, report and protect sensitive data stored in Amazon Simple Storage Service (Amazon S3). Macie can detect and alert sensitive data, such as bank credit card information.

<https://docs.aws.amazon.com/macie/latest/user/what-is-macie.html>

Option A is INCORRECT because Amazon Inspector does not assess actual data stored in S3. It primarily assesses applications for exposure and vulnerability.

Option B is INCORRECT because Amazon EventBridge does not perform the function of detecting sensitive data.

Option C is INCORRECT because primarily relevant in establishing the root cause of security incidences or suspicious activities within the AWS environment.

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Did you like this Question?



Question 25

Unattempted

Domain: Cloud Concepts

Which of the below is NOT a benefit of moving to the cloud?

- A. Scalability
- B. Decreased TCO
- C. Redundancy
- D. Increased time to market right

Explanation:

Answer: D

Option A is incorrect because scalability and elasticity are two of the main benefits of AWS.

Option B is incorrect because TCO (Total Cost of Ownership) reduces upon migrating to the cloud.

Option C is incorrect because AWS cloud provides redundancy at multiple levels.

Option D is Correct because the time to market is "Reduced" and not "Increased".

References:

<https://dl.awsstatic.com/whitepapers/cloud-migration-main.pdf>

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**Question 26**

Unattempted

Domain: Cloud Technology and Services

What role does Amazon AppStream play in helping organizations?

- A. It provides cloud-based virtual machines for running containerized applications
- B. It automates and manages AWS resource provisioning
- C. It delivers desktop applications securely to users via streaming right
- D. It hosts websites and web applications with high availability

Explanation:

Correct Answer: C

Amazon AppStream is designed to securely stream desktop applications to users over the internet. It allows you to deliver software applications to a variety of devices, making them accessible from anywhere while maintaining data security.

Option A is incorrect because the description aligns more with services like Amazon EC2 or AWS Fargate, which provide virtual machines or containerized application execution, rather than AppStream's focus on desktop application streaming.

Option B is incorrect because This aligns more with services like AWS CloudFormation or AWS Elastic Beanstalk, which are used for automating and managing AWS resource provisioning but are not related to desktop application streaming.

Option D is incorrect because High-availability hosting of websites and web applications is typically associated with services like AWS Elastic Load Balancing, AWS Auto Scaling, and Amazon S3 static website hosting, but it is not the primary purpose of Amazon AppStream.

Reference:

<https://docs.aws.amazon.com/appstream2/latest/developerguide/what-is-appstream.html>

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**Question 27**

Unattempted

Domain: Cloud Concepts

In the shared responsibility model for infrastructure services, such as Amazon Elastic Compute Cloud, which of the below are the customer's responsibilities from a Security Perspective? (Select TWO)

- A. Network infrastructure
- B. Amazon Machine Images (AMIs) right
- C. Virtualization infrastructure
- D. Physical security of hardware
- E. Policies and configuration right

Explanation:**Answer: B and E**

In the shared responsibility model, AWS is primarily responsible for “Security of the Cloud.” The customer is responsible for “Security in the Cloud.” In this scenario, the mentioned AWS product is IAAS (Amazon EC2) and AWS manages the security of the following assets:

- Facilities
- Physical security of hardware
- Network infrastructure
- Virtualization infrastructure

Customers are responsible for the security of the following assets:

- Amazon Machine Images (AMIs)
- Operating systems

Applications

Data in transit

Data at rest

Data stores

Credentials

Policies and configuration

References:

<https://docs.aws.amazon.com/wellarchitected/latest/security-pillar/welcome.html>

<https://aws.amazon.com/architecture/well-architected/?wa-lens-whitepapers.sort-by=item.additionalFields.sortDate&wa-lens-whitepapers.sort-order=desc>

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Question 28

Unattempted

Domain: Cloud Technology and Services

Which of the following support plans does not have access to Support Automation Workflows with AWSPremiumSupport?

A. Business

B. Developer right

C. Enterprise On-Ramp

D. Enterprise

Explanation:

Correct Answer - B

Option B is correct because the Developer support plan does not have access to Support Automation Workflow with AWSPremiumSupport. Rather it has access to Support Automation Workflows prefixes with AWSSupport.

Options A, C, and D are incorrect because they have access to Support Automation Workflows with prefixes AWSSupport and AWSPremiumSupport.

Proactive Programs and Self Service	Access to Support Automation Workflows with prefixes AWSSupport	Access to Infrastructure Event Management for additional fee	Infrastructure Event Management (one-per-year)	Infras
		Access to Support Automation Workflows with prefixes AWSSupport and AWSPremiumSupport	Access to Support Automation Workflows with prefixes AWSSupport and AWSPremiumSupport	Acces and d Acces with p AWSP



References:

<https://aws.amazon.com/premiumsupport/plans/>

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Did you like this **Question?**



Question 29

Unattempted

Domain: Cloud Technology and Services

An e-learning start-up providing school students with practice tests needs to run an application during the holiday season (2 months). The application will be deployed on an EC2 instance; however, the application downtime will have an adverse effect on the company's reputation. Which of the following options is cost-effective for this scenario?

- A. Reserved
- B. Dedicated
- C. Spot
- D. On-Demand right

Explanation:

Answer: D

Option A is incorrect. The required duration of 2 months is not long enough to reserve an instance.

Option B is incorrect. Dedicated instances are not cost-efficient and will not be suggested in this scenario.

Option C is incorrect. Spot instances would not be an apt choice, as there is a probability of disruption.

Option D is Correct. On-Demand instances would be a correct choice, as RIs could not be opted. Because of the terms mentioned, dedicated instances would be costly and with spot instances, there are chances of disruption.

References:

<https://aws.amazon.com/ec2/pricing/reserved-instances/>

<https://aws.amazon.com/ec2/pricing/dedicated-instances/>

<https://aws.amazon.com/ec2/spot/>

<https://aws.amazon.com/ec2/pricing/on-demand/>

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Did you like this **Question?**



Question 30

Unattempted

Domain: Billing, Pricing, and Support

Which of the AWS service helps you to set reservation utilization and trigger alerts when utilization drops below the defined threshold?

- A. AWS Budgets right
- B. Savings Plans
- C. Reserved Instance (RI) Reporting
- D. Reservation and Utilization dashboard

Explanation:

Answer: A

Option A is CORRECT. In AWS Budgets, you can set RI utilization budgets that define a utilization threshold and receive alerts when your RI usage falls below that threshold.

Option B is incorrect. Savings Plans is a pricing model providing significant savings (up to 72%) upon committing to a consistent usage (measured in \$/hour) for a 1- or 3-year term. AWS offers two types of Savings Plans, Compute Savings Plans and EC2 Instance Savings Plans.

Option C is incorrect. Reserved Instance (RI) Reporting is a cost management tool that helps customers to manage and monitor their instance reservations.

Option D is incorrect. Reservation and Utilization dashboard is incorrect.

References:

<https://aws.amazon.com/aws-cost-management/aws-budgets/>

<https://aws.amazon.com/savingsplans/>

<https://aws.amazon.com/aws-cost-management/reserved-instance-reporting/>

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Did you like this Question?



Question 31

Unattempted

Domain: Security and Compliance

Which service can be used to securely store and automatically rotate credentials for databases hosted on Amazon RDS?

- A. AWS Systems Manager
- B. AWS Systems Manager Parameter Store
- C. AWS Secrets Manager right
- D. AWS Systems Manager Session Manager

Explanation:

Correct Answer: C

AWS Secrets Manager can be used to store and manage secrets used to access databases or other resources in AWS. It automatically rotates these secrets on a regular basis. AWS KMS can be used to encrypt data stored in AWS Secrets Manager.

Option A is incorrect as AWS Systems Manager can be used to perform regular maintenance activities and get operational insights for resources deployed at both AWS Cloud and on-premises locations.

Option B is incorrect as AWS Systems Manager Parameter Store can be used to store credentials but it's not suitable for the key rotation of the credentials. AWS Systems Manager Parameter Store is free of cost but there is the additional cost incurred for using AWS Secrets Manager. AWS Secrets Manager provides additional benefits of automatic secret rotation at regular intervals.

Option D is incorrect as AWS Systems Manager Session Manager is a managed service to connect to Amazon EC2 instance without the need of SSH or bastion hosts.

For more information on AWS Secrets Manager, refer to the following URL,

<https://aws.amazon.com/secrets-manager/faqs/>[Ask our Experts](#)[View Queries](#)

Did you like this Question?



Question 32

Unattempted

Domain: Cloud Technology and Services

Which AWS service provides a POSIX compliant, fully managed, and cost-effective NFS file storage solution? (Select TWO)

- A. Amazon FSx for Windows File Server
- B. AWS Elastic File System right
- C. Amazon FSx for Lustre right
- D. Amazon Elastic Block Store

Explanation:

Answer: B and C

Option A is INCORRECT. Amazon FSx for Windows File Server is built for windows server and is accessible over SMB protocol.

Option B is CORRECT. EFS is a POSIX compliant, fully managed and cost-effective NFS file storage solution that could be used with both on-prem and AWS resources.

Option C is CORRECT. FSx for Lustre is POSIX-compliant, so you can use your current Linux-based applications without having to make any changes.

Option D is INCORRECT. Amazon Elastic Block Store is a block storage solution and not an NFS file storage solution.

Reference:

<https://aws.amazon.com/fsx/windows/><https://aws.amazon.com/efs/><https://aws.amazon.com/fsx/lustre/><https://aws.amazon.com/ebs/>[Ask our Experts](#)

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Did you like this Question?



Question 33

Unattempted

Domain: Security and Compliance

Which service can be used to store application configuration data and secrets in an encrypted format with the least cost?

- A. AWS KMS
- B. AWS Systems Manager
- C. AWS Secrets Manager
- D. AWS Systems Manager Parameter Store

right

Explanation:

Correct Answer: D

AWS Systems Manager Parameter Store can be used to store configuration data and secrets securely in a plain or encrypted format. Instead of storing this data along with configuration files, data can be securely stored in the Parameter store and can be referred to by the application code. Encryption for data stored in the Parameter store is provided by using AWS KMS. There is no additional cost incurred for configuration data/secrets stored in the Parameter Store.

Option A is incorrect as AWS KMS cannot be used to store data. AWS KMS is integrated with AWS Systems Manager Parameter Store for encrypting data stored.

Option B is incorrect as AWS Systems Manager can be used to perform regular maintenance activities and get operational insights for resources deployed at both AWS Cloud and on-premises locations.

Option C is incorrect as AWS Secrets Manager can be used to store secrets in an encrypted format with AWS KMS. Storing secrets in AWS Secrets Manager incurs cost and is not free as AWS Systems Manager Parameter Store.

For more information on AWS Systems Manager Parameter Store, refer to the following URL,

<https://aws.amazon.com/systems-manager/faq/>

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Did you like this Question?



Question 34

Unattempted

Domain: Cloud Concepts

Which of the following AWS fully managed database or data-warehouse offerings is suitable for analytical workloads and can utilize standard SQL queries and existing BI Tools?

- A. Amazon DynamoDB
- B. Amazon Redshift right
- C. Amazon Aurora
- D. Amazon RDS

Explanation:**Answer:** B

Option A is INCORRECT. DynamoDB is a NoSQL Key-Value database.

Option B is CORRECT. Redshift is a fully managed data warehouse offering from AWS that allows the usage of standard SQL queries and existing BI tools. Redshift is suitable for OLAP.

Option C is INCORRECT. Aurora is a MySQL and PostgreSQL-compatible relational database service offering from AWS. Aurora is suitable for OLTP.

Option D is INCORRECT. RDS is a distributed relational database service. Aurora is an RDS engine.

Reference:

<https://aws.amazon.com/dynamodb/>

<https://aws.amazon.com/redshift/faqs/>

<https://aws.amazon.com/rds/aurora/>

<https://aws.amazon.com/rds/>

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**Question 35**

Unattempted

Domain: Cloud Concepts

Amazon Aurora is a relational database compatible with MySQL and PostgreSQL. Which of the below are **NOT** the features of Amazon Aurora? (Select TWO)

- A. Amazon Aurora is slower than standard MySQL databases. right
- B. Amazon Aurora provides replication across 3 AZs.
- C. Amazon Aurora features self-healing storage system.
- D. Amazon Aurora can auto scale upto 32 TB. right
- E. Amazon Aurora is a fully managed service.

Explanation:

Correct Answer: A and D

Option A is CORRECT. The statement is incorrect. Correct statement: Amazon Aurora is faster than standard MySQL (up to five times faster).

Option B is INCORRECT. This is a feature of Amazon Aurora.

Option C is INCORRECT. This is a feature of Amazon Aurora.

Option D is CORRECT. The statement is incorrect. Correct statement: Amazon Aurora can auto-scale up to 128 TB.

Option E is INCORRECT. Amazon Aurora (Aurora) is a **fully managed** relational database engine that's compatible with MySQL and PostgreSQL.

Reference:

<https://aws.amazon.com/rds/aurora/>

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Question 36

Unattempted

Domain: Cloud Concepts

Data on Amazon EBS volumes could be backed up by performing point-in-time snapshots. Snapshots are incremental backups. Only the changed blocks after the most recent snapshot are saved.

Where are these EBS snapshots stored?

- A. Amazon EBS Volume
- B. Amazon S3 right
- C. Amazon EFS

D. Amazon Aurora

Explanation:

Answer: B

Option A is INCORRECT. Snapshots are point-in-time backups of EBS volumes and are stored in Amazon S3.

Option B is CORRECT. Refer to the link below for details.

Option C is INCORRECT. Snapshots are stored in Amazon S3.

Option D is INCORRECT. Snapshots are not stored in Aurora. The snapshots are stored in Amazon S3.

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSSnapshots.html>

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Question 37

Unattempted

Domain: Cloud Concepts

Which of the below listed is NOT a requirement for setting up (enabling) S3 replication?

- A. Bucket owner of the source bucket should have both source and destination Regions enabled for their account.
- B. Versioning should be enabled for buckets in both source and destination.
- C. Amazon S3 must have been granted object replication permissions from the source bucket to the destination bucket on behalf of the owner.
- D. Bucket owner of the destination should have both source and destination Region enabled for their account. right

Explanation:

Answer: D

Option A is INCORRECT. The given condition is a requirement for enabling S3 replication.

Option B is INCORRECT. The given condition is a requirement for enabling S3 replication.

Option C is INCORRECT. The given condition is a requirement for enabling S3 replication.

Option D is CORRECT. The given condition is incorrect. Bucket owner of the destination should have destination Region enabled for their account.

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/replication.html>

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Question 38

Unattempted

Domain: Cloud Technology and Services

Which of the following settings can be performed to prioritize evaluation of critical job queues over other job queues associated with the same compute resource?

- A. Set higher priority in the priority parameter of a job definition
- B. Set lower priority in the priority parameter of a job definition
- C. Set lower priority in the priority parameter of a job queue
- D. Set higher priority in the priority parameter of a job queue

right

Explanation:

Correct Answer: D

The priority of the job queue is determined by the priority parameter in the job queue. Higher numerical values specified in the priority parameter will prioritize the job queue.

Option A is incorrect as Priority is one of the parameters of the Job queue and not part of the Job definition.

Option B is incorrect as Priority is one of the parameters of the Job queue and not part of the Job definition.

Option C is incorrect as Numerical values defined in the priority parameters work in descending order to determine the priority of the job queue. Higher value signifies more priority to the job queue.

For more information on AWS Batch Job queues, refer to the following URL,

[Ask our Experts](#)[View Queries](#)

Did you like this Question?



Question 39

Unattempted

Domain: Cloud Technology and Services

Which of the below-given service could be used in the AWS cloud for the management of encryption keys?

- A. Amazon Inspector
- B. Amazon Cognito
- C. CloudHSM right
- D. Amazon GuardDuty

Explanation:

Answer: C

CloudHSM (HSM stands for Hardware Security Module) helps in the management of encryption keys. Standards compliant CloudHSM is a fully-managed service.

Option A is INCORRECT. Amazon Inspector helps improve the security and compliance adherence of the applications deployed on the AWS cloud.

Option B is INCORRECT. Amazon Cognito is an AWS service for developers that simplifies user sign-up and sign-in to their developed mobile apps and web apps.

Option C is CORRECT. Refer to the explanation above.

Option D is INCORRECT. Amazon GuardDuty performs continuous monitoring to protect AWS account, S3 data and workloads from any malicious, unauthorized activities.

Reference:

<https://aws.amazon.com/inspector/><https://aws.amazon.com/cognito/><https://aws.amazon.com/cloudhsm/><https://aws.amazon.com/guardduty/>

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Did you like this Question?



Question 40

Unattempted

Domain: Cloud Technology and Services

To maximize user satisfaction, you are asked to improve the performance of the application for local and global users. As part of this initiative, you must monitor the application endpoint health and route traffic to the most appropriate application endpoint. Which service will you prefer to use?

- A. Amazon Global Accelerator right
- B. Amazon DAX accelerator
- C. Amazon S3 transfer acceleration
- D. AWS Direct Connect

Explanation:

Answer: A

Global accelerator is a networking service that utilizes AWS global network to optimize the “user to application” path. The performance benefits realized by the use of the Global accelerator can be tested using a speed comparison tool provided by AWS.

Global accelerator differs from S3 transfer acceleration and DynamoDB accelerator.

S3 transfer acceleration accelerates the transfers of files to the S3 bucket by utilizing edge locations.

A fully managed DynamoDB Accelerator (DAX) is a highly available in-memory cache for Dynamodb.

Option D is INCORRECT. AWS Direct Connect is an AWS offering that simplifies setting up dedicated network connectivity between AWS and on-premises infrastructure.

Reference:

<https://aws.amazon.com/global-accelerator/>

<https://aws.amazon.com/dynamodb/dax/>

<https://docs.aws.amazon.com/AmazonS3/latest/dev/transfer-acceleration.html>

<https://aws.amazon.com/directconnect/>

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Did you like this Question?



Question 41

Unattempted

Domain: Security and Compliance

Which of the following resources can AWS WAF integrate with to protect web applications against common web exploits? (Select TWO.)

- A. Amazon CloudFront right
- B. Internet Gateway
- C. Web server hosted on Amazon EC2 instance.
- D. Application Load Balancer right
- E. Static Website hosted on Amazon S3 bucket.

Explanation:

Correct Answers: A and D

AWS WAF can be deployed with the following resources to protect web applications & APIs from common web exploits.

- a. Application Load Balancer
- b. Amazon CloudFront
- c. Amazon API Gateway
- d. AWS AppSync

Options B, C & E are incorrect as AWS WAF is not integrated with Internet Gateway, Amazon EC2 instance or Amazon S3 bucket.

For more information on AWS WAF, refer to the following URL:

<https://aws.amazon.com/waf/>

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Did you like this Question?



Question 42

Unattempted

Domain: Billing, Pricing, and Support

A customer has expressed his intent to opt for a support plan to get access to the below 6 security checks. Which support plans offer these security checks at a minimal price point? (Select TWO)

Security check 1: S3 Bucket Permissions

Security check 2: Security Groups - Specific Ports Unrestricted

Security check 3: IAM Use

Security check 4: MFA on Root Account

Security check 5: EBS Public Snapshots

Security check 6: RDS Public Snapshots

A. Basic Plan right

B. Developer Plan right

C. Business Plan

D. Enterprise Plan

E. Gold Plan

Explanation:

Answer: A, B

Option A is CORRECT. Customers of basic support plan gets access to the above listed 6 security checks. The basic support plan is free.

Option B is CORRECT. Customers of developer support plan get access to the above listed 6 security checks. Developer support plan is cheaper than Business and Enterprise support plan.

Option C is INCORRECT. Customers with a Business support plan have access to all the trusted advisor checks, including the listed 6 security checks. But this option is incorrect as this support plan is costlier than the Basic and Developer support plan.

Option D is INCORRECT. Although customers with Enterprise support plans have access to all the trusted advisor checks, including the listed 6 security checks, this option is incorrect as this support plan is costlier than the Basic, Developer, and Business support plan.

Option E is INCORRECT as this is not a valid option.

Reference:

<https://aws.amazon.com/premiumsupport/technology/trusted-advisor/>

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Did you like this Question?



Question 43

Unattempted

Domain: Security and Compliance

A growing food delivery start-up intends to implement DDoS protection for its applications on AWS. Which fully managed service offering from AWS ensures customers protection from DDoS attack?

- A. AWS Shield right
- B. AWS WAF – Web Application Firewall
- C. AWS Firewall Manager
- D. Amazon GuardDuty

Explanation:

Answer: A

Option A is CORRECT. AWS Shield is a fully managed service from AWS that ensures protection from DDoS attacks.

Option B is INCORRECT. AWS WAF helps us protect web applications and APIs against attacks by configuring various rules and conditions (like allow, block etc., based on defined conditions).

Option C is INCORRECT. AWS Firewall Manager enables management and configuration of firewall across AWS accounts and applications centrally.

Option D is INCORRECT. Amazon GuardDuty performs continuous monitoring to protect AWS account, S3 data and workloads from any malicious, unauthorized activities.

Reference:

<https://aws.amazon.com/shield/>

<https://aws.amazon.com/waf/>

<https://aws.amazon.com/firewall-manager/>

<https://aws.amazon.com/guardduty/>

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Did you like this Question?



Question 44

Unattempted

Domain: Security and Compliance

Which AWS service offering uses machine learning and graph theory capability on automatically collected log data to help you conduct faster and efficient security investigations?

- A. Amazon Macie
- B. Amazon Detective right
- C. AWS Artifact
- D. Amazon GuardDuty

Explanation:

Answer: B

Option A is INCORRECT. Amazon Macie is a fully managed service from AWS that provides data security and privacy by utilizing Amazon's machine learning and pattern matching capabilities.

Option B is CORRECT. Amazon Detective is a security service that uses machine learning capabilities on the automatically collected log data to help customers perform efficient and fast security investigations.

Option C is INCORRECT. AWS Artifact is a central resource for all the information about compliance. AWS artifact provides on-demand access to compliance reports at no additional cost.

Option D is INCORRECT. Amazon GuardDuty performs continuous monitoring to protect AWS account, S3 data and workloads from any malicious, unauthorized activities.

Reference:

<https://aws.amazon.com/macie/>

<https://aws.amazon.com/detective/faqs/>

<https://aws.amazon.com/artifact/>

<https://aws.amazon.com/guardduty/>

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Did you like this Question?



Question 45

Unattempted

Domain: Billing, Pricing, and Support

A program manager wants:

- 1- To get an alert when the costs are forecasted to exceed.
- 2- Understand the usage and cost over time, preferably via visualization to identify areas wherein savings could be done.

Which AWS products should be used to cater for these requirements?

- A. AWS Budget and AWS Cost Explorer right
- B. AWS Budget and AWS Savings plan
- C. AWS Savings plan and AWS Cost Explorer
- D. AWS Savings plan and AWS Organization

Explanation:

Answer: A

AWS Budget: AWS Budget enables setting alerts via setting up custom budgets so that we are notified when cost and usage are forecasted to exceed or if cost and usage exceeds.

AWS Cost Explorer: AWS Cost Explorer helps analyze the usage and cost incurred over time by visualization through an easy to use interface.

AWS Savings plan: AWS Savings plan is a pricing model designed to offer up to 72% of savings to customers on compute usage of Amazon EC2, Amazon Fargate, and AWS Lambda.

AWS Organization: AWS Organization provides capabilities to centrally perform management and governance of billing, compliance adherence, security, resource sharing and access control.

Option A is CORRECT. AWS Budget and AWS Cost Explorer should be used.

Option B is INCORRECT.

Option C is INCORRECT.

Option D is INCORRECT.

Reference:

<https://aws.amazon.com/aws-cost-management/aws-budgets/>

<https://aws.amazon.com/aws-cost-management/aws-cost-explorer/>

<https://aws.amazon.com/savingsplans/>

<https://aws.amazon.com/organizations/faqs/>

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Question 46

Unattempted

Domain: Security and Compliance

An administrator is tasked to configure privileges for the new joiners in the department. The admin is selectively granting privileges and ensuring that not all the team members can access all the resources.

Which principle is the administrator following?

- A. Principle of privileged users
- B. Least privilege of group principle
- C. Best practices of permission advisory
- D. Principle of least privilege right

Explanation:

Answer: D

Option A is INCORRECT. This is not a valid option.

Option B is INCORRECT. This is not a valid option.

Option C is INCORRECT. This is not a valid option.

Option D is CORRECT. The administrator follows the “Principle of least privilege” as not all the privileges are granted to all the new joiners. The privileges are being selectively granted.

Reference:

<https://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html#grant-least-privilege>

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Did you like this Question?



Question 47

Unattempted

Domain: Cloud Technology and Services

A customer in Tokyo requires to transfer files (total of 1TB) to his S3 bucket in us-east-1. Which of the below AWS offerings can facilitate this in an easy, secured and fast way?

- A. AWS Global accelerator
- B. AWS Edge Locations
- C. AWS S3 transfer acceleration right
- D. AWS Snowball family

Explanation:

Answer: C

Option A is INCORRECT. AWS Global accelerator provides static IP to enable fixed entry points to your applications reducing the overhead of managing specific IP addresses. AWS Global Accelerator helps by improving the application's availability and performance. It does not help to upload files to S3.

Option B is INCORRECT. Edge locations are the sites that are used by AWS CDN (Cloudfront) to serve contents to the users. One of the characteristics of edge locations is that edge locations cache data. Hence it helps serve the requests faster. It is not used to help upload files to an S3 bucket.

Option C is CORRECT. AWS S3 transfer acceleration can use optimized network protocols and the AWS edge infrastructure when uploading files to the S3 bucket. This method is easy, secure and fast.

Option D is INCORRECT. Snowball facilitates the transfer of huge batches of data in one go. The typical turnaround for AWS Snowball is 5-7 days. It is not suitable for 1TB files.

Reference:

<https://aws.amazon.com/global-accelerator/faqs/>

<https://wa.aws.amazon.com/wat.concept.edge-location.en.html>

<https://aws.amazon.com/s3/faqs/>

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Did you like this Question?



Question 48

Unattempted

Domain: Cloud Technology and Services

I need to check whether my EC2 instances are running properly. I have written a script that will help me obtain the instance's ID and then send a notification to an SNS topic. How can I obtain the instance's ID?

- A. By querying the instance's Meta Data right
- B. By querying the instances User Data
- C. I need to get authorized with an IAM role prior to accessing the instance's ID using Metadata
- D. I cannot use a script. I need to login to the AWS console & manually check the instance's ID & its status

Explanation:

Correct Answer: A

Option A is CORRECT. An instance's Meta data provides me with information about the instance like Instance ID, Local IP, Instance Type etc..I can query the instances Meta data using an internal IP <http://169.254.169.254/latest/meta-data/> which can be accessed only from within an EC2 instance

Option B is incorrect. User Data is a section used for providing startup configuration to an EC2 instance. Eg if I need to have an Apache web server running on an EC2 instance after it is provisioned, I can use the User Data section & provide scripts for installing the software during instance creation

Option C is incorrect. Meta data information is available to EC2 instances by default without the need to provide an IAM role for accessing it

Option D is incorrect. Console login or manual intervention is not required to achieve this task. I can write a script & configure it to run at a scheduled time of the day wherein the EC2 instance can express itself to provide its health status.

References:

<https://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/instancedata-data-retrieval.html>

<https://youtu.be/tPQsl8n6er0>

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Did you like this Question?



Question 49

Unattempted

Domain: Cloud Concepts

An Insurance organization must maintain a long-term archive of customer data to ensure compliance with The Health Insurance Portability and Accountability Act (HIPAA).

If any department requires the archived data for any purpose, a request will be placed by the involved department at least 14 hours in advance to the IT department.

Which of the below listed is the most appropriate S3 storage in this scenario?

- A. Amazon S3 Glacier deep archive right
- B. Amazon S3 Standard
- C. Amazon S3 Glacier
- D. Amazon S3 Standard-Infrequent Access

Explanation:

Answer: A

Option A is CORRECT. Amazon S3 Glacier deep archive is best suited in this scenario as the window available to perform data retrieval is 14 hours. Retrieval of data from Amazon S3 Glacier deep archive can be done within 12 hours. Amazon S3 Glacier deep archive is up to 75% cheaper than Amazon S3 Glacier.

Option B is INCORRECT. S3 standard is ideal for general-purpose storage of frequently accessed data.

Option C is INCORRECT. Amazon S3 Glacier deep archive is best suited in this scenario as the window available to perform data retrieval is 14 hours. Retrieval of data from Amazon S3 Glacier deep archive can be done within 12 hours. Amazon S3 Glacier deep archive is up to 75% cheaper than Amazon S3 Glacier.

Option D is INCORRECT. Amazon S3 Standard-Infrequent Access is better suited for less frequently accessed, long-lived data.

Reference:

<https://aws.amazon.com/s3/faqs/>

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Question 50

Unattempted

Domain: Cloud Concepts

You are asked to suggest an appropriate Amazon S3 storage class for “data with unknown/changing access pattern”. Which one would you suggest?

- A. Amazon S3 Intelligent-Tiering right
- B. Amazon S3 Standard
- C. Amazon S3 Glacier
- D. Amazon S3 Standard-Infrequent Access

Explanation:

Answer: A

Option A is CORRECT. Amazon S3 Intelligent-Tiering is best suited for data with “unknown/changing access pattern”.

Option B is INCORRECT. S3 standard is ideal for general-purpose storage of frequently accessed data.

Option C is INCORRECT. Amazon S3 Glacier is preferable for archival of data for a long term.

Option D is INCORRECT. Amazon S3 Standard-Infrequent Access is better suited for less frequently accessed, long-lived data.

Reference:

<https://aws.amazon.com/s3/storage-classes/>

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Question 51

Unattempted

Domain: Cloud Technology and Services

Which feature of Amazon S3 could be utilized to save costs by automatically transitioning objects to appropriate low-cost storage classes at defined intervals?

- A. By configuring “Amazon S3 lifecycle policies” right
- B. Using Versioning
- C. Enabling replication
- D. Performing S3 Batch Operations

Explanation:

Answer: A

Option A is CORRECT. Using “Amazon S3 lifecycle policies”, we can set up rules to perform “Transition Actions” and “Expiration Actions”. Transition actions define the rules as to when an object transitions to different storage classes.

Option B is INCORRECT. S3 versioning enables maintaining multiple versions of an object in one bucket.

Option C is INCORRECT. Replication enables duplication/copy of objects from one S3 bucket to another S3 bucket, either in the same region or different region.

Option D is INCORRECT. S3 Batch Operations are used to perform batch operations on objects in S3. Batch operation can perform a single operation on a specified list of S3 objects. Automatic transition of objects to different storage classes could not be done via S3 batch operations.

Reference:

<https://docs.aws.amazon.com/AmazonS3/latest/dev/object-lifecycle-mgmt.html>

<https://docs.aws.amazon.com/AmazonS3/latest/dev/ObjectVersioning.html>

<https://docs.aws.amazon.com/AmazonS3/latest/dev/replication.html>

<https://docs.aws.amazon.com/AmazonS3/latest/dev/batch-ops.html>

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Question 52

Unattempted

Domain: Cloud Technology and Services

Your company has setup EC2 Instances in a VPC for their application. The IT Security department has advised that all traffic be monitored to the EC2 Instances. Which of the following features can be used to capture information for outgoing and incoming IP traffic from network interfaces in a VPC.

A. AWS Cloudwatch

B. AWS EC2

C. AWS SQS

D. AWS VPC Flow Logs right

Explanation:

Correct Answer: D

The AWS Documentation mentions the following

VPC Flow Logs is a feature that enables you to capture information about the IP traffic going to and from network interfaces in your VPC. Flow log data can be published to Amazon CloudWatch Logs and Amazon S3. After you've created a flow log, you can retrieve and view its data in the chosen destination.

Option A is incorrect since this is a monitoring service

Option B is incorrect since this is a compute service

Option C is incorrect since this is a messaging service

For more information on VPC flow logs, please visit the below URL

<https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/flow-logs.html>

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Question 53

Unattempted

Domain: Billing, Pricing, and Support

A "Member AWS account" in an AWS Organization (using consolidated billing) wants to receive a cost breakdown report (product-wise daily report) so that the analysis of cost and usage could be done.

Where can this report be configured to be delivered? (Select TWO)

A. S3 bucket owned by the member account right

B. S3 bucket owned by the management account right

C. AWS Management Console

D. Amazon Athena

Explanation:

Answer: A and B

Member account Cost & Usage reports will have the same setting options – time granularity, report output, and S3 bucket designation – as management accounts.

The only difference will be that management account reports will continue to include all accounts in its AWS Organization while member account reports will have only their individual account's cost & usage data.

Option C is incorrect. AWS Management Console is a centralized management and governance console for all the AWS products.

Option D is incorrect. Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL.

Reference:

<https://docs.aws.amazon.com/cur/latest/userguide/what-is-cur.html>

<https://aws.amazon.com/athena/>

<https://aws.amazon.com/console/>

<https://aws.amazon.com/about-aws/whats-new/2020/12/cost-and-usage-report-now-available-to-member-linked-accounts/>

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Question 54

Unattempted

Domain: Billing, Pricing, and Support

Which of the below is incorrect regarding AWS pricing?

- A. Offers pay-as-you-go
- B. Enables savings upon reserving
- C. Enables saving maximization upon using more
- D. Reduced Inbound data transfer reduces costs incurred

right

Explanation:

Answer: D

Option A is INCORRECT. The statement is correct. Customers have complete flexibility in opting for the required services and paying for the opted services.

Option B is INCORRECT. The statement is correct. For certain services (example: EC2, RDS), savings of up to 75% could be realized vis-a-vis usage of similar on-demand capacity.

Option C is INCORRECT. The statement is correct. Volume-based discounts ensure that more savings are realized as the usage grows.

Option D is CORRECT. This statement is incorrect. Inbound data transfer incurs no charges in all the regions across services.

Reference:

<https://aws.amazon.com/pricing/>

<https://aws.amazon.com/blogs/aws/aws-lowers-its-pricing-again-free-inbound-data-transfer-and-lower-outbound-data-transfer-for-all-ser/>

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Question 55

Unattempted

Domain: Cloud Technology and Services

In a software development project, a team needs a service to automate the compilation and testing of code changes in a continuous integration (CI) environment. Which AWS service is suitable for this purpose?

- A. AWS CodeBuild right
- B. AWS CodeDeploy
- C. AWS CodePipeline
- D. AWS CodeCommit

Explanation:

Correct Answer: A

AWS CodeBuild is the appropriate choice for automating the compilation and testing of code changes in a CI (continuous integration) environment. It is a fully managed build service that can compile your source code, run tests, and produce build artifacts.

Option B is incorrect because AWS CodeDeploy is a service used for automating software deployments to various compute targets, such as EC2 instances, and Lambda functions. It is not designed for the compilation and testing of code changes.

Option C is incorrect because AWS CodePipeline is a CI/CD service used for orchestrating and automating the delivery of software changes. While it can include CodeBuild as a build step, its primary focus is on the entire CI/CD pipeline, not just the build process.

Option D is incorrect because AWS CodeCommit is a managed source code repository service for version control and collaboration on source code. It is not a build service like CodeBuild.

Reference:

<https://docs.aws.amazon.com/codebuild/latest/userguide/welcome.html>

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Did you like this Question?



Question 56

Unattempted

Domain: Cloud Technology and Services

Which EFS file system can provide sub-microsecond latency for read operations?

- A. Standard-IA storage class with General Purpose performance mode
- B. Standard storage class with Max I/O performance mode
- C. One Zone storage class with General Purpose performance mode right
- D. One Zone storage class with Max I/O performance mode

Explanation:

Correct Answer: C

For read operations, Amazon EFS One zone and Standard storage classes with general-purpose performance mode provide sub-microsecond latency. With standard storage class with Max I/O, performance mode read latency is in milliseconds but customers get higher IOPS for both read and write operations.

Option A is incorrect as Amazon EFS Standard-Infrequent Access (EFS Standard-IA) storage class with general-purpose performance mode supports double-digit milliseconds latency for read

operations.

Option B is incorrect as With Standard storage class with Max I/O performance mode supports milliseconds of latency with higher IOPS for both read/write operations.

Option D is incorrect as this is an invalid option. One Zone Storage class always uses general-purpose performance mode.

For more information on performance with Amazon EFS, refer to the following URLs,

<https://docs.aws.amazon.com/efs/latest/ug/performance.html>

<https://aws.amazon.com/efs/faq/>

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Did you like this **Question?**



Question 57

Unattempted

Domain: Cloud Technology and Services

In a production environment, there is a requirement to automate the entire process of managing and delivering changes, including building, testing, and deploying resources. Which AWS service should be considered to create an end-to-end continuous integration and continuous deployment (CI/CD) pipeline?

- A. AWS CodeDeploy
- B. AWS CodeBuild
- C. AWS CodePipeline right
- D. AWS CodeCommit

Explanation:

Correct Answer: C

AWS CodePipeline is the appropriate choice for creating a streamlined, end-to-end CI/CD pipeline. It enables you to automate the entire process of managing and delivering changes, including building, testing, and deploying resources, facilitating a seamless and efficient CI/CD workflow.

Option A is incorrect because AWS CodeDeploy is a service used for automating software deployments to various compute targets, such as EC2 instances, Lambda functions. It is not designed to handle the complete CI/CD pipeline like CodePipeline.

Option B is incorrect because AWS CodeBuild is a managed build service used for compiling source code and running tests. While it is a crucial component of the CI/CD pipeline, it does not

cover the entire CI/CD workflow as CodePipeline does.

Option D is incorrect because AWS CodeCommit is a managed source code repository service for version control and collaboration on source code.

Reference:

<https://docs.aws.amazon.com/codepipeline/latest/userguide/welcome.html>

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Question 58

Unattempted

Domain: Cloud Technology and Services

In a remote work scenario, your organization needs to provide a virtual desktop experience for employees, allowing them to access their desktop environments securely from anywhere. Which AWS service should you consider for this purpose?

- A. Amazon WorkSpaces right
- B. Amazon WorkSpaces Web
- C. Amazon AppStream 2.0
- D. AWS Device Farm

Explanation:

Correct Answer: A

Amazon WorkSpaces is a service that provides a virtual desktop experience to employees, enabling them to access their desktop environments securely from anywhere with an internet connection. It offers a fully managed, scalable, and secure solution for remote desktop access.

Option B is incorrect because Amazon WorkSpaces Web is an economical, comprehensively supervised, Linux-centric solution, crafted to streamline secure web-based entry to internal websites and software-as-a-service (SaaS) applications through web browsers. It does not have the capability to provide a virtual desktop experience to users.

Option C is incorrect because Amazon AppStream 2.0 is a service for streaming desktop applications to users, but it is not primarily focused on providing full virtual desktop environments like Amazon WorkSpaces. It's more suitable for streaming specific applications rather than complete desktops.

Option D is incorrect because AWS Device Farm is a testing service for mobile and web applications on real devices.

Reference:

<https://docs.aws.amazon.com/workspaces/latest/adminguide/amazon-workspaces.html>

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Did you like this **Question?**

**Question 59**

Unattempted

Domain: Cloud Technology and Services

Which of the below-listed services is a region-based AWS service?

- A. AWS IAM
- B. Amazon EFS right
- C. Amazon Route 53
- D. Amazon CloudFront

Explanation:

Answer: B

Option A is INCORRECT. AWS IAM is a global service.

Option B is CORRECT. EFS is a regional service.

Option C is INCORRECT. Route 53 is a global service.

Option D is INCORRECT. Amazon Cloudfront is a global service.

References:

<https://aws.amazon.com/efs/>

<https://aws.amazon.com/about-aws/global-infrastructure/regional-product-services/>

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Did you like this **Question?**



Question 60

Unattempted

Domain: Billing, Pricing, and Support

An organization has started a new project to create memes based on user comments and uploaded images. As this new project is started on a pilot basis and is not pursued rigorously, cost efficiency is emphasized and not the uptime and processing time.

Given these priorities, which EC2 Instance should be preferred?

- A. On-Demand Instance
- B. Spot Instance right
- C. Dedicated Instances
- D. Scheduled Reserved Instances

Explanation:**Answer: B**

Option A is INCORRECT. On-Demand Instances are costlier than spot instances.

Option B is CORRECT. Spot instances are the most cost-efficient option. Please note interruptions are stated to be not an issue.

Option C is INCORRECT. Dedicated Instances are instances that are dedicated to a single user. Dedicated instances are not suitable for these types of scenarios.

Option D is INCORRECT. Scheduled Reserved Instances will not be preferable over spot instances in this scenario because interruptions are stated to be not an issue. Nothing in this scenario states about long term requirement. Scheduled Reserved Instances requires long term commitment.

Reference:

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-on-demand-instances.html>

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-spot-instances.html>

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dedicated-instance.html>

<https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-scheduled-instances.html>

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**Question 61**

Unattempted

Domain: Security and Compliance

Which of the following tools can be used to enable authentication for a large number of users accessing an Amazon S3 bucket using a mobile app?

- A. AWS IAM user
- B. Amazon Cognito right
- C. AWS IAM group
- D. AWS STS

Explanation:**Correct Answer: B**

Using Amazon Cognito user pool & identity pool, mobile app users can be authenticated to use AWS services like Amazon S3 bucket.

Options A & C are incorrect as IAM users & IAM group can create authentication & manage access for users accessing AWS services. These services are not suitable to provide authentication to millions of users accessing AWS services via mobile app.

Option D is incorrect as AWS STS is a service that grants temporary access privilege for AWS IAM users or federated users.

For more information on Amazon Cognito, refer to the following URL:

<https://aws.amazon.com/cognito/faqs/>

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Question 62

Unattempted

Domain: Cloud Technology and Services

Which of the following LightSail Wizard allows the customers to “create a copy of the LightSail instance in EC2”?

- A. LightSail Backup
- B. LightSail Copy
- C. Upgrade to EC2 right

D. LightSail-EC2 snapshot

Explanation:

Answer: C

Option A is INCORRECT. LightSail Backup is an invalid option.

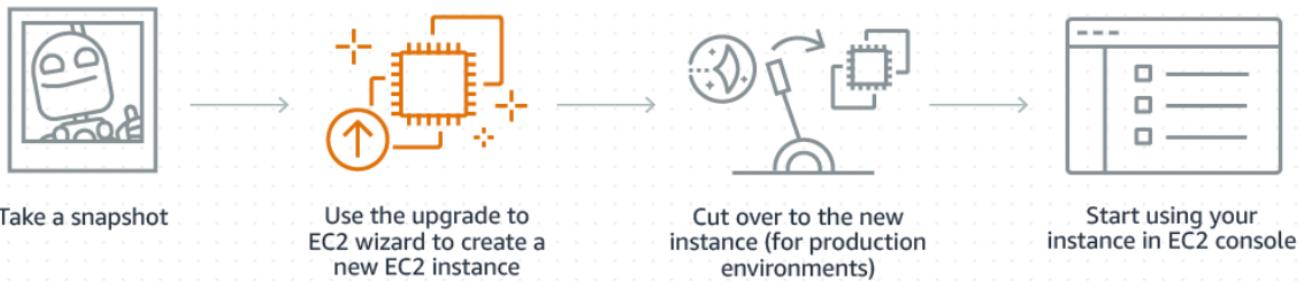
Option B is INCORRECT. LightSail Copy is an invalid option.

Option C is CORRECT. “Upgrade to EC2” is the feature that allows customers to “create a copy of the LightSail instance in EC2”.

To get started, you need to export your Lightsail instance manual snapshot. You'll then use the Upgrade to EC2 wizard to create an instance in EC2.

Customers who are comfortable with EC2 can then use the EC2 creation wizard or API to create a new EC2 instance as they would from an existing EC2 AMI.

Option D is INCORRECT. A LightSail-EC2 snapshot is an invalid option.



Reference:

https://lightsail.aws.amazon.com/ls/docs/en_us/articles/amazon-lightsail-exporting-snapshots-to-amazon-ec2

<https://aws.amazon.com/lightsail/features/upgrade-to-ec2/>

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Question 63

Unattempted

Domain: Cloud Technology and Services

Which command can be used to set up AWS CLI installation to specify the region and Access key ID?

A. aws configservice

B. aws configure right

C. aws connect

D. aws deploy

Explanation:

Correct Answer: B

aws configure command helps to set up AWS CLI installation. *aws configure* prompts for the following information,

1. Access key ID
2. Secret access key
3. AWS Region
4. Output format

All these parameters are stored in the default profile. Information in this profile is used when no other profile is specified with the *aws configure* command. If a user wants to run a specific profile with different parameters, the following CLI command can be used, *aws configure [--profile profile-name]*.

Option A is incorrect as *aws configservice* can be used to track changes made in AWS resource configurations.

Option C is incorrect as *aws connect* can be used to deploy a cloud-based contact centre in the AWS cloud.

Option D is incorrect as *aws deploy* can be used to automate application deployment in Amazon EC2 instance.

For more information on information on *aws configure* command, refer to the following URL,

<https://awscli.amazonaws.com/v2/documentation/api/latest/reference/configure/index.html>

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Question 64

Unattempted

Domain: Security and Compliance

A client has decided to go for a MySQL RDS database on the AWS cloud based on its Scalability & High Availability features. When he does so, what role can he perform in making the database secure?

- A. He can restrict RDS database access by using a Security Group. right
- B. He can provide the most recent updates of his database software installed on the EC2 Instance for preventing Security attacks.
- C. He can provide the most recent versions of his Operating System on the EC2 instance for preventing Security attacks.
- D. He can Encrypt database data at rest by using EBS volume storage encryption.

Explanation:

Correct Answer: A

Amazon RDS is a managed service that allows the user to ease administrative tasks like Database software updates and Operating System patch updates. Thus it helps the user concentrate more on the design/development of the database.

RDS offers an automatic DB installation process, storage disk provisioning, Database upgrades, Security patches, and backups of SQL Server databases.

Option A is CORRECT. Security Groups can be used to control Ingress / Egress traffic flowing in & out of an RDS database instance. A user can configure an Ingress security group rule for restricting traffic to certain IP addresses of an RDS port such as 3306.

Option B is incorrect. Database instances are abstracted from the user & database software updates are managed by the service provider(AWS).

Option C is incorrect. Since the instance types are abstracted from the user, the OS security patches are also controlled by the service provider (AWS).

Option D is incorrect. Data encryption at rest is possible in an RDS instance. However, using an EBS volume will not be possible since that will require much more control to the instance hosting the Database to mount an EBS volume. RDS automatically manages storage disk provisioning. It allows a user to select the storage type during database creation/modification time from the following types: General purpose SSD, Provisioned IOPS, Magnetic.

References:

<https://aws.amazon.com/blogs/database/common-administrator-responsibilities-on-amazon-rds-and-aurora-for-postgresql-databases/>

<https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Overview.RDSecurityGroups.html>

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Did you like this Question?



Question 65

Unattempted

Domain: Cloud Technology and Services

You are developing a mobile application that requires real-time data synchronization and offline access to your backend data. Which AWS service should you consider for building the GraphQL API to meet these requirements?

- A. AWS Amplify
- B. AWS Device Farm
- C. Amazon AppStream
- D. AWS AppSync right

Explanation:**Correct Answer: D**

AWS AppSync is the correct choice for building a GraphQL API that provides real-time data synchronization and offline access capabilities for mobile and web applications. It allows you to connect to various data sources and enables offline access through data caching.

Option A is incorrect because AWS Amplify is a development framework and library for building web and mobile applications, including features for authentication and data access.

Option B is incorrect because AWS Device Farm is a testing service for mobile and web applications on real devices. It is unrelated to building GraphQL APIs or providing real-time data synchronization and offline access.

Option C is incorrect because AWS AppStream is a service for securely streaming desktop applications to users over the internet.

Reference:

<https://docs.aws.amazon.com/appsync/latest/devguide/what-is-appsync.html>

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