ADDITIONAL QUESTIONS

Attempt	1
Marks Obtained	14 / 20
Your score is	70%

Completed on	Sunday , 13 January 2019 , 06:49 PM
Time Taken	00 H 15 M 32 S
Result	Fail

Domains / Topics wise Quiz Performance Report

S.No.	Topic	Total Questions	Correct	Incorrect	Unattempted
1	Other	15	11	4	0
2	Design Resilient Architectures	2	1	1	0
3	Specify Secure Applications and Architectures	1	0	1	0
4	Design Cost-Optimized Architectures	1	1	0	0
5	Define Performant Architectures	1	1	0	0

20	**14**	**6**	**0**
Questions	Correct	Incorrect	Unattempted

QUESTION 1   CORRECT

Your company is planning on setting up a web-based application onto AWS. This would be a content-based system wherein you have users across the world who would want to access the content. You have to ensure that users across the world get a seamless user experience when using the web application. Which of the below needs to be part of the architecture for this application

- ○   **A.** Amazon SES
- ○   **B.** Amazon Cloudtrail
- ○   **C.** Amazon CloudFront ✔
- ○   **D.** Amazon S3

Explanation :

Answer – C

The AWS Documentation mentions the following

Amazon CloudFront is a web service that speeds up distribution of your static and dynamic web content, such as .html, .css, .js, and image files, to your users. CloudFront delivers your content through a worldwide network of data centers called edge locations. When a user requests content that you're serving with CloudFront, the user is routed to the edge location that provides the lowest latency (time delay), so that content is delivered with the best possible performance.

Option A is invalid since this is an email service

Option B is invalid since this is an API monitoring service

Option D is invalid since this is an object storage service

For more information on Amazon Cloudfront, please visit the below URL

- https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html (https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/Introduction.html)

QUESTION 2   CORRECT

Your company is planning on setting up a web based application onto AWS. The application will be connected to an AWS RDS instance. You need to ensure that performance of the database layer is up to the mark and if possible to ensure that recently queries results are delivered in a faster manner. Which of the following would be part of the architecture?

○   **A.** MySQL Installed on two Amazon EC2 Instances in a single Availability Zone

○   **B.** Amazon RDS for MySQL with Multi-AZ

○   **C.** Amazon ElastiCache ✔

○   **D.** Amazon DynamoDB

Explanation :

Answer – C

The AWS Documentation mentions the following

Amazon ElastiCache offers fully managed Redis (https://aws.amazon.com/redis/) and Memcached (https://aws.amazon.com/memcached/). Seamlessly deploy, operate, and scale popular open source compatible in-memory data stores. Build data-intensive apps or improve the performance of your existing apps by retrieving data from high throughput and low latency in-memory data stores. Amazon ElastiCache is a popular choice for Gaming, Ad-Tech, Financial Services, Healthcare, and IoT apps

Option A is invalid since this would not help with the caching of data

Option B is invalid since this is used for fault tolerance

Option D is invalid since this is fully managed NoSQL database

For more information on AWS ElasticCache, please visit the below URL

• https://aws.amazon.com/elasticache/ (https://aws.amazon.com/elasticache/)

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QUESTION 3   CORRECT

Your company is planning on setting up a web-based application onto AWS. The IT management has given clear directions on ensuring that the application follows a serverless architecture in order to reduce infrastructure costs. Which of the following services could be used in this regard. Choose 3 answers from the options given below

☑ **A.** AWS API Gateway ✔

☑ **B.** AWS Lambda ✔

☑ **C.** AWS DynamoDB ✔

☐ **D.** AWS EC2

Explanation :

Answer - A,B and C
The AWS Documentation mentions the following
Amazon API Gateway is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs at any scale. With a few clicks in the AWS Management Console, you can create an API that acts as a "front door" for applications to access data, business logic, or functionality from your back-end services, such as workloads running on Amazon Elastic Compute Cloud (Amazon EC2) (https://aws.amazon.com/ec2/), code running on AWS Lambda (https://aws.amazon.com/lambda/), or any web application.
AWS Lambda lets you run code without provisioning or managing servers. You pay only for the compute time you consume - there is no charge when your code is not running.

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Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability. DynamoDB lets you offload the administrative burdens of operating and scaling a distributed database, so that you don't have to worry about hardware provisioning, setup and configuration, replication, software patching, or cluster scaling

For more information on API gateway, Lambda and DynamoDB, please visit the below URL

- https://aws.amazon.com/api-gateway/ (https://aws.amazon.com/api-gateway/)

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QUESTION 4   CORRECT

Your company is planning on setting up a hybrid connection between their on-premises infrastructure and an AWS VPC via AWS VPN managed connections. As an architect which of the following need to be in place for the connection to be established. Choose 2 answers from the options given below
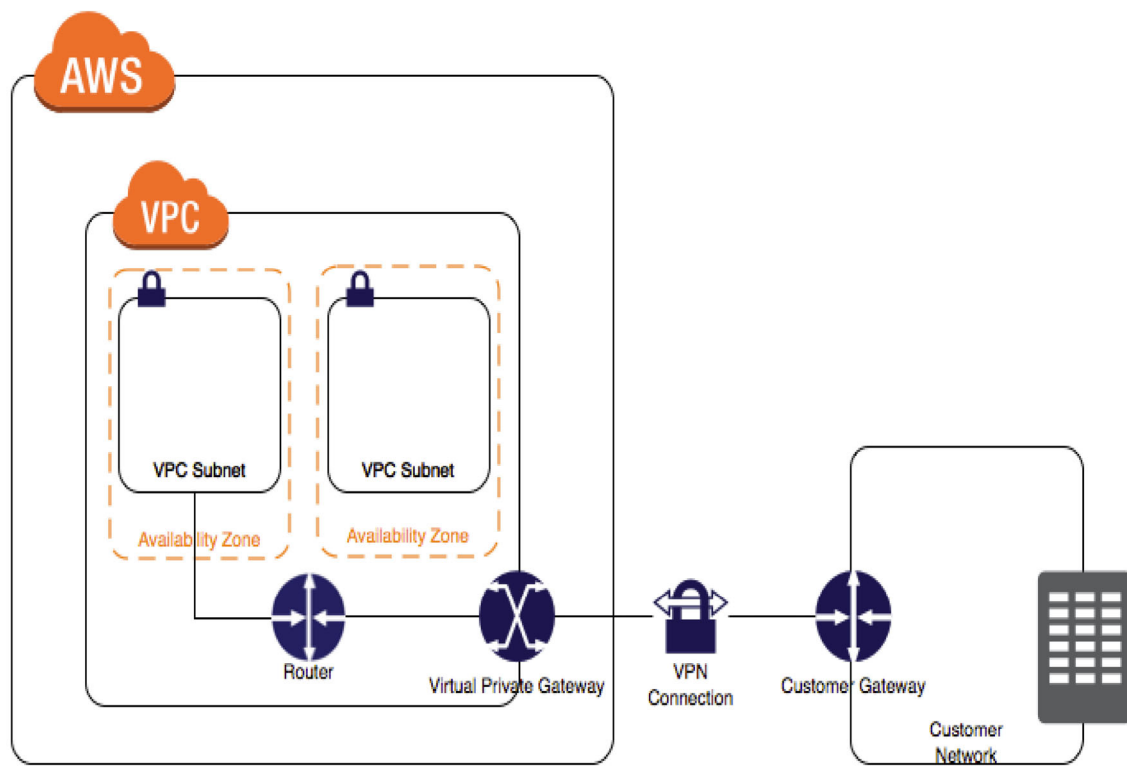
- ☑ **A.** A hardware compatible VPN device ✔
- ☑ **B.** A Virtual private gateway ✔
- ☐ **C.** An AWS Direct connect device
- ☐ **D.** Optical fibre cables

Explanation :

Answer - A and B
When defining a VPN connection between the on-premises network and the VPC, you need to have a customer gateway defined. Since this is accessed over the internet, it needs to have a static internet-routable IP Address.

All other options are invalid since this is only required for an AWS Direct connect connection.

For more information on AWS VPN connections, please visit the below URL

- https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html (https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_VPN.html)

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QUESTION 5   INCORRECT

Your company currently has setup their data store on AWS DynamoDB. One of your main revenue generating applications uses the tables in this service. Your application is now expanding to 2 different other locations and you want to ensure that the latency for data retrieval is the least from the new regions. Which of the following can help accomplish this?

○ **A.** Place a cloudfront distribution in front of the database ✖

○ **B.** Enable Multi-AZ for DynamoDB

○ **C.** Place an ElastiCache in front of DynamoDB

○ **D.** Enable global tables for DynamoDB ✔

Explanation :

Answer - D

The AWS Documentation mentions the following

To illustrate one use case for a global table, suppose that you have a large customer base spread across three geographic areas—the US east coast, the US west coast, and western Europe. Customers would need to update their profile information while using your application. To address these requirements, you could create three identical DynamoDB tables named CustomerProfiles, in three different AWS regions. These three tables would be entirely separate from each other, and changes to the data in one table would not be reflected in the other tables. Without a managed replication solution, you could write code to replicate data changes among these tables; however, this would be a time-consuming and labor-intensive effort.

Option A is incorrect since cloudfront should ideally be used in front of web distributions

Option B is incorrect since this is not an option for DynamoDB

Option C is incorrect since would not be affective for multiple regions

For more information on AWS DynamoDB global tables, please visit the below URL

- https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/GlobalTables.html (https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/GlobalTables.html)

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A company is planning on moving their virtual servers from their on-premises infrastructure to the AWS Cloud. They need to migrate their existing VM's to the cloud. Which of the following could help them in the migration process?

- ○ **A.** AWS VM Import ✔
- ○ **B.** AWS S3
- ○ **C.** AWS SQS
- ○ **D.** AWS EC2

Explanation :

Answer – A

The AWS Documentation mentions the following

VM Import/Export enables you to easily import virtual machine images from your existing environment to Amazon EC2 instances and export them back to your on-premises environment. This offering allows you to leverage your existing investments in the virtual machines that you have built to meet your IT security, configuration management, and compliance requirements by bringing those virtual machines into Amazon EC2 as ready-to-use instances. You can also export imported instances back to your on-premises virtualization infrastructure, allowing you to deploy workloads across your IT infrastructure.

Option B is incorrect since this is an object storage service

Option C is incorrect since this is a queuing service

Option D is incorrect since this would be the virtual server on the cloud but would not assist in the actual migration of the server

For more information on AWS VM Import, please visit the below URL

- https://aws.amazon.com/ec2/vm-import/ (https://aws.amazon.com/ec2/vm-import/)

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A company is planning on moving their applications to the AWS Cloud. They have some large SQL data sets that need to be hosted in a data store on the cloud. The data store needs to have features available for disaster recovery as well. Which of the following service should be considered for this requirement.

○ **A.** Amazon DynamoDB ✗

○ **B.** Amazon Redshift ✔

○ **C.** Amazon Kinesis

○ **D.** Amazon Simple Queue Service

Explanation :

Answer – B

The AWS Documentation mentions the following

Amazon Redshift is a fully managed, petabyte-scale data warehouse service in the cloud.

You can start with just a few hundred gigabytes of data and scale to a petabyte or more.

This enables you to use your data to acquire new insights for your business and customers.

Option A is incorrect since this a NoSQL data store

Option C is incorrect since this is used for data streaming.

Option D is incorrect since this is used as a messaging service

For more information on AWS Redshift, please visit the below URL

* https://docs.aws.amazon.com/redshift/latest/mgmt/welcome.html
(https://docs.aws.amazon.com/redshift/latest/mgmt/welcome.html)

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Your company has a set of 100 servers hosted on the AWS Cloud. They need to stream the Logs from the Instances for analysis purposes. This is being done from a security compliance perspective. Programs will then run to analyse the data for any sort of abnormal behaviour. Which of the following would be used to stream the log data?

- ⭕ **A.** Cloudfront
- ⭕ **B.** SQS
- 🔘 **C.** Kinesis ✔
- ⭕ **D.** SES

Explanation :

Answer – C

The AWS Documentation mentions the following

Amazon Kinesis Data Streams enables you to build custom applications that process or analyze streaming data for specialized needs. You can continuously add various types of data such as clickstreams, application logs, and social media to an Amazon Kinesis data stream from hundreds of thousands of sources. Within seconds, the data will be available for your Amazon Kinesis Applications to read and process from the stream.

Option A is incorrect since this a content distribution service

Option B is incorrect since this is used as a messaging service

Option D is incorrect since this is an email service

For more information on AWS Kinesis, please visit the below URL

- https://aws.amazon.com/kinesis/data-streams/faqs/ (https://aws.amazon.com/kinesis/data-streams/faqs/)

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You have been hired as an AWS Architect for a company. There is a requirement to host an application using EC2 Instances. The Infrastructure needs to scale on demand and also be fault tolerant. Which of the following would you include in the design? Choose 2 answers from the options below

- ☑ **A.** AWS Autoscaling ✔
- ☐ **B.** AWS ECS
- ☑ **C.** AWS Elastic Load Balancer ✔
- ☐ **D.** AWS Cloudwatch

Explanation :

Answer - A and C

The AWS Documentation mentions the following

You can automatically increase the size of your Auto Scaling group when demand goes up and decrease it when demand goes down. As the Auto Scaling group adds and removes EC2 instances, you must ensure that the traffic for your application is distributed across all of your EC2 instances. The Elastic Load Balancing service automatically routes incoming web traffic across such a dynamically changing number of EC2 instances.

Option B is incorrect since this is used when you need a docker orchestration service

Option D is incorrect since this is a monitoring service

For more information on AWS Autoscaling and ELB, please visit the below URL

- https://docs.aws.amazon.com/autoscaling/ec2/userguide/autoscaling-load-balancer.html (https://docs.aws.amazon.com/autoscaling/ec2/userguide/autoscaling-load-balancer.html)

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QUESTION 10   INCORRECT

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Your company has setup EC2 Instances in a VPC for their application. They now have a concern that not all of the EC2 instances are being utilized. Which of the below mentioned services can help you find underutilized resources in AWS? Choose 2 answers from the options given below

- ☐ **A.** AWS Cloudwatch ✔
- ☐ **B.** SNS
- ☑ **C.** AWS Trusted Advisor ✔
- ☑ **D.** Cloudtrail ✘

Explanation :

Answer - A and C

The AWS Documentation mentions the following

"An online resource to help you reduce cost, increase performance,and improve security by optimizing your AWS environment,Trust Advisor provides real time guidance to help you provison your resources following AWS best practices"

An online resource to help you reduce cost, increase performance, and improve security by optimizing your AWS environment, Trusted Advisor provides real time guidance to help you provision your resources following AWS best practices.

An Introduction to AWS Trusted Advisor

An Introduction to AWS Trusted Advisor

(click to enlarge)
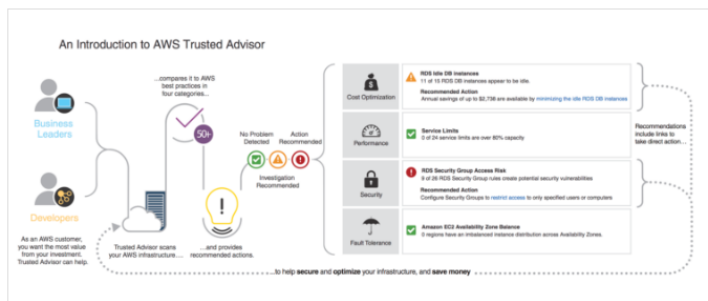
Amazon CloudWatch is a monitoring and management service built for developers, system operators, site reliability engineers (SRE), and IT managers. CloudWatch provides you with data and actionable insights to monitor your applications, understand and respond to system-wide performance changes, optimize resource utilization, and get a unified view of operational health.

Option B is incorrect since this is a notification service

Option D is incorrect since this is an API monitoring service

For more information on AWS Trusted Advisor and Cloudwatch, please visit the below URL

- https://aws.amazon.com/premiumsupport/trustedadvisor/
  (https://aws.amazon.com/premiumsupport/trustedadvisor/)
- https://aws.amazon.com/cloudwatch/ (https://aws.amazon.com/cloudwatch/)

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QUESTION 11   CORRECT

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 ✔

Explanation :

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 (https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/flow-logs.html)

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QUESTION 12   **CORRECT**

Your company has setup EC2 Instances in a VPC for their application. The IT Security department needs to understand what the security mechanisms are available to protect the Instances when it comes to traffic going in and out of the instance. What are the two layers of security provided by AWS in the VPC? Choose 2 answers from the options given below

☑ **A.** Security Groups ✔

☑ **B.** NACLs ✔

☐ **C.** DHCP Options

☐ **D.** Route Tables

Explanation :

Answer - A and B

The AWS Documentation mentions the following

A *security group* acts as a virtual firewall for your instance to control inbound and outbound traffic. When you launch an instance in a VPC, you can assign up to five security groups to the instance.

A *network access control list (ACL)* is an optional layer of security for your VPC that acts as a firewall for controlling traffic in and out of one or more subnets. You might set up network ACLs with rules similar to your security groups in order to add an additional layer of security to your VPC.

Option C is incorrect since this is used to decide on the DNS servers for the VPC

Option D is incorrect since this is used for routing traffic in the VPC

For more information on VPC security groups and NACL's, please visit the below URL

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• https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html (https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html)

• https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html (https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html)

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QUESTION 13   INCORRECT

A company has recently chosen to use the AWS API Gateway service for managing their API's. Which of the following services are automatically integrated with the API gateway service in the background to ensure better response to calls made to the API Gateway?

○ **A.** AWS Cloudwatch

○ **B.** AWS Cloudfront

○ **C.** AWS Volume gateway ✖

○ **D.** AWS Lambda ✔

Explanation :

Answer – D
API Gateway is designed for web and mobile developers who want to provide secure, reliable access to back-end APIs for access from mobile apps, web apps,etc.

The business logic behind the APIs can be provided by a publicly accessible endpoint that API Gateway proxies call, or it can be entirely run as a Lambda function.

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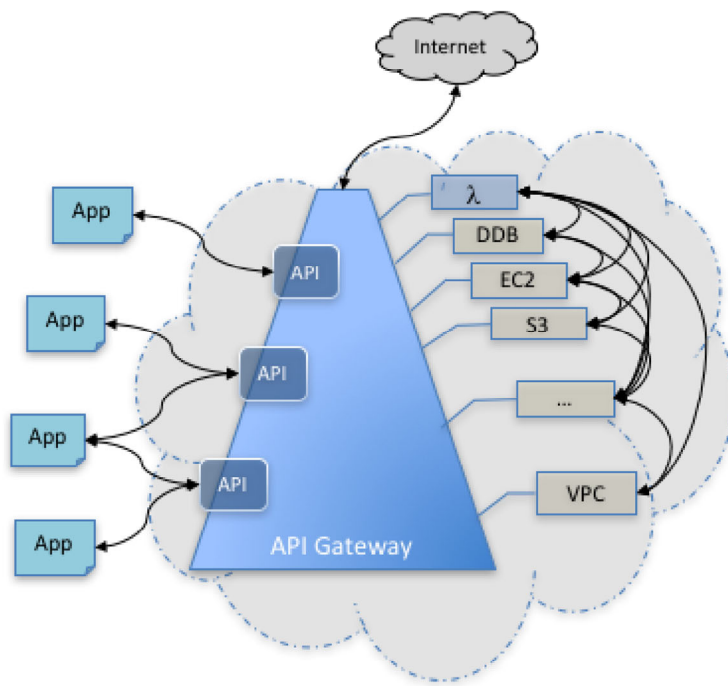
For example, an application can call an API in API Gateway to upload a user's annual income and expense data to Amazon S3 or Amazon DynamoDB, process the data in AWS Lambda to compute tax owed, and file a tax return.
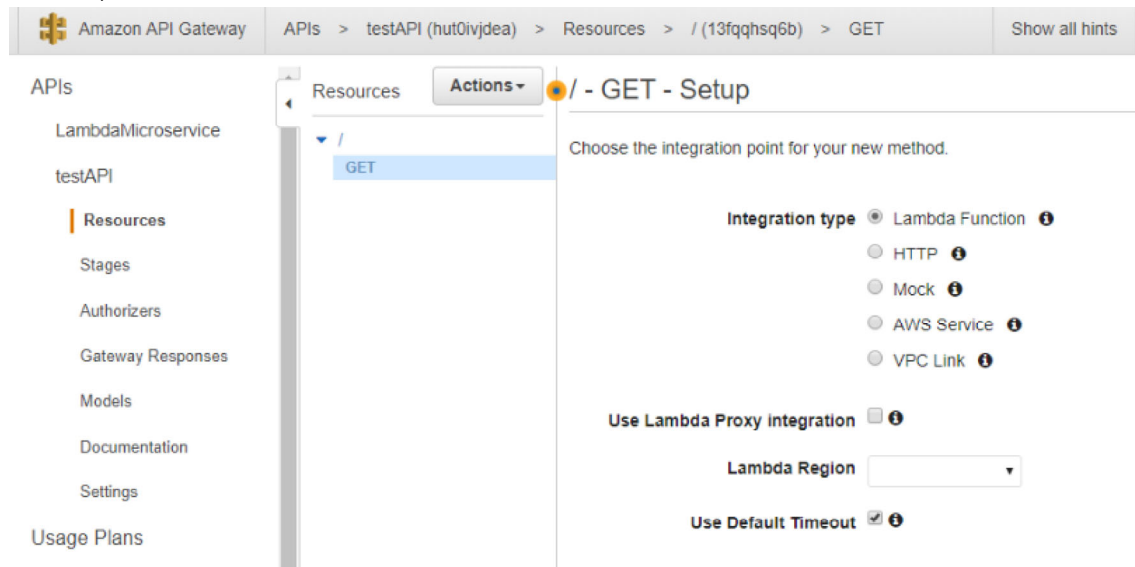
Option A is incorrect. Cloud Watch offers Cloud Monitoring services for the resources being used.

Option B is incorrect. AWS CloudFront is a web service that speeds up distribution of your static and dynamic web content, through a worldwide network of edge locations where the contents are cached for 24 hours by default.

Option C is incorrect. AWS Storage Gateway service is used to store data in the AWS Cloud. It offers a scalable and cost effective storage that maintains data security too.

For more information on the features of the API gateway , please refer to the below URL:

- https://docs.aws.amazon.com/apigateway/latest/developerguide/welcome.html (https://docs.aws.amazon.com/apigateway/latest/developerguide/welcome.html)

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QUESTION 14   CORRECT

A company has recently chosen to use the AWS API Gateway service for managing their API's. It needs to be ensured that code hosted in other domains can access the API's behind the API gateway service. Which of the below security features of the API gateway can be used to ensure that API's resources can receive requests from a domain other than the API's own domain

○ **A.** API Stages

○ **B.** API Deployment

○ **C.** API CORS ✔

○ **D.** API Access

Explanation :

Answer – C
The AWS Documentation mentions the following

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When your API's resources receive requests from a domain other than the API's own domain, you must enable cross-origin resource sharing (CORS) for selected methods on the resource. This amounts to having your API respond to the OPTIONS preflight request with at least the following CORS-required response headers:

- Access-Control-Allow-Methods

- Access-Control-Allow-Headers

- Access-Control-Allow-Origin

Option A and B are invalid because these are used to ensure users can call API's.
Option D is invalid because there is no such thing as API Access.
For more information on enabling CORS, please refer to the below URL:

- http://docs.aws.amazon.com/apigateway/latest/developerguide/how-to-cors.html (http://docs.aws.amazon.com/apigateway/latest/developerguide/how-to-cors.html)

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QUESTION 15   CORRECT

Your company is planning on developing and deploying an application onto AWS. The application will follow a microservices based architecture which will involve the deployment of several docker containers. Which of the following services is ideal for this scenario?

○   **A.** DynamoDB

○   **B.** Simple Queue Service

○   **C.** Elastic Container Service ✔

○   **D.** CodeCommit

Explanation :   ⌃

Answer - C

The AWS Documentation mentions the following

Amazon EC2 Container Service (Amazon ECS) is a highly scalable, fast, container management service that makes it easy to run, stop, and manage Docker containers on a cluster of Amazon Elastic Compute Cloud (Amazon EC2) instances. Amazon ECS lets you launch and stop container-based applications with simple API calls, allows you to get the state of your cluster from a centralized service, and gives you access to many familiar Amazon EC2 features.

Option A is invalid because this is a fully managed NoSQL database

Option B is invalid because this is a messaging service

Option D is invalid because this is a code versioning service

For more information on Elastic Container service , please refer to the URL:

- http://docs.aws.amazon.com/AmazonECS/latest/developerguide/Welcome.html (http://docs.aws.amazon.com/AmazonECS/latest/developerguide/Welcome.html)

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A company offers its customers short-lived, contests that require users to upload files in hopes of winning prizes. These contests can last up to two weeks, with unknown uploads and the resulting file analysis can last up to three months.

The company needs an economic, scalable object storage solution to hold its customers' files. The files will accessed once and then deleted. The best solution for this company is:

○ **A.** Amazon Glacier

○ **B.** Elastic File System ✖

○ **C.** Amazon S3 Standard

○ **D.** Amazon S3 Standard Infrequent Accessed ✔   ∧

Explanation :

Answer:

D. S3 – IA for data that is accessed less frequently, but requires rapid access when needed

Incorrect:

A. Amazon Glacier is for data archiving and can be accessed within minutes

B. Elastic File System is file storage, not object storage as required

C. S3 standard is for frequently accessed data, and less economical than S3 - IA

Reference: https://aws.amazon.com/s3/storage- lasses/

(https://aws.amazon.com/s3/storage-%20lasses/)

https://aws.amazon.com/efs/when-to-choose-efs/ (https://aws.amazon.com/efs/when-to-choose-efs/%0c)

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QUESTION 17   INCORRECT

SPECIFY SECURE APPLICATIONS AND ARCHITECTURES

A company has been using AWS cloud services for six months and just finished a security review. Which finding below is considered a best practice in the security pillar of the well-architected framework?

○   **A.** Using the root user to create all new user accounts, at any time

○   **B.** Monitoring and using alerts using CloudTrail and CloudWatch ✔

○   **C.** Assigning Private IP address ranges to VPCs that do not overlap

○   **D.** Designing the system using elasticity to meet changes in demand ✖

Explanation :

Answer:

B. Monitoring and alerting for key metrics and events is a best practice of the Security pillar

Incorrect:

A. For the root user, you should follow the best practice of only using this login to create another, initial set of IAM users and groups for longer-term identity management operations

C. Non-overlapping Private IP addresses is in the Reliability pillar

D. Design using elasticity to meet demand is in the Performance Efficiency pillar (Design for Cloud

Operations)

Reference:

https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf

(https://d1.awsstatic.com/whitepapers/architecture/AWS_Well-Architected_Framework.pdf)

https://d1.awsstatic.com/whitepapers/architecture/AWS-Security-Pillar.pdf

(https://d1.awsstatic.com/whitepapers/architecture/AWS-Security-Pillar.pdf)

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A website is hosted on two EC2 instances that sit behind an Elastic Load Balancer. The response time of the website has slowed dramatically, and customers are ordering less due to the wait time. Troubleshooting showed one of the EC2 instances failed and left just one instance running. What is the best course of action to prevent this from happening in the future?

○　**A.** Change the instance size to the maximum available to compensate for failure

○　**B.** Use CloudWatch to monitor the VPC Flow Logs for the VPC the instances are deployed in

○　**C.** Configure the ELB to perform health checks on the EC2 instances and implement auto-scaling ✔

○　**D.** Replicate the existing configuration in several regions for failover ⌃

Explanation :

Answer:

Correct:

C. Using the elastic load balancer to perform health checks will determine whether or not to remove a non- or underperforming instance and have the auto-scaling group launch a new instance.

Incorrect:

A. Increasing the instance size doesn't prevent failure of one or both the instances, therefore the website can still become slow or unavailable

B. Monitoring the VPC flow logs for the VPC will capture VPC traffic, not traffic for the EC2 instance. You would need to create a flow log for a network interface.

D. Replicating the same two instance deployment may not prevent failure of instances and could still result in the website becoming slow or unavailable.

Reference:

https://media.amazonwebservices.com/AWS_Building_Fault_Tolerant_Applications.pdf (https://media.amazonwebservices.com/AWS_Building_Fault_Tolerant_Applications.pdf) https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/flow-logs.html#working-with-flow-logs (https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/flow-logs.html%23working-with-flow-logs)

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A small company started using EBS backed EC2 instances due to the cost improvements over running their own servers. The company's policy is to stop the development servers over weekend and restart them each week. The first time the servers were brought back none of the developers were able to SSH into them. What did the server most likely overlook?

○ **A.** The associated Elastic IP address has changed and the SSH configurations were not updated

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○ **B.** The security group for a stopped instance needs to be reassigned after start

○ **C.** The public ip4 address has changed on server start and the SSH configurations were not updated ✔

○ **D.** EBS backed EC2 instances cannot be stopped and were automatically terminated

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Explanation :

Answer:

Correct:

C. The instance retains its private IPv4 addresses and any IPv6 addresses when stopped and restarted. AWS releases the public IPv4 address and assigns a new one when its restarted

Incorrect:

A. An EC2 instance retains its associated Elastic IP addresses.

B. Security groups do not need to be reassigned to instances that are restarted.

D. EBS backed instances are the only instance type that can be started and stopped.

Reference:

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Stop_Start.html

(https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/Stop_Start.html)

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You want to use AWS to host your own website with a unique domain name that uses the format www.example.com. It needs to be deployed quickly and doesn't require server-side scripting. What is your best option?

○ **A.** Register a domain with Route53 and verify ahead of time that a unique S3 bucket name can be created that matches the domain name. ✔

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○ **B.** Create an auto-scaling group of EC2 instances and manage the web hosting on these instances

○ **C.** Create one large EC2 instance to host the website and replicate it in every region

○ **D.** Create a Content Delivery Network (CDN) to deliver your images and files

Explanation :

Answer:

Correct:

A. S3 static webhosting is the quickest way to setup this website. Because bucket names are unique across all regions, its important to know that your S3 bucket is available before purchasing a domain name.

Incorrect:

B. Hosting on EC2 is not necessary here as server-side scripting is not needed and S3 will scale automatically.

C. Hosting on EC2 is not necessary and this particular implementation can lead to different configurations on each server.

D. A CDN will improve the delivery time of your files and pages to the customer but is not a hosting solution itself.

Reference:

https://docs.aws.amazon.com/AmazonS3/latest/dev/WebsiteHosting.html (https://docs.aws.amazon.com/AmazonS3/latest/dev/WebsiteHosting.html)

https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/Welcome.html (https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/Welcome.html)

https://docs.aws.amazon.com/AmazonS3/latest/dev/website-hosting-cloudfront-walkthrough.html (https://docs.aws.amazon.com/AmazonS3/latest/dev/website-hosting-cloudfront-walkthrough.html)

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Certification

- Cloud Certification (https://www.whizlabs.com/cloud-certification-training-courses/)

- Java Certification (https://www.whizlabs.com/oracle-java-certifications/)

- PM Certification (https://www.whizlabs.com/project-management-certifications/)

- Big Data Certification (https://www.whizlabs.com/big-data-certifications/)

Company

- Support (https://help.whizlabs.com/hc/en-us)

- Discussions (http://ask.whizlabs.com/)

- Blog (https://www.whizlabs.com/blog/)

Mobile App

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 iOS ^{Coming Soon}

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