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Q1. A company owns an API which currently gets 1000 requests per second. The company wants to host this in a cost effective manner using AWS. Which one of the following solution is best suited for this?

**Options**

- Use API Gateway with the backend services as it is.
- Use the API Gateway along with AWS Lambda
- Use CloudFront along with the API backend service as it is.
- Use ElastiCache along with the API backend service as it is.

Q2. A company wants to launch its online shopping website to give customers an easy way to purchase the products they need. The proposed setup is to host the application on an AWS Fargate cluster, utilize a Load Balancer to distribute traffic between the Fargate tasks, and use Amazon CloudFront for caching and content delivery. The company wants to ensure that the website complies with industry best practices and should be able to protect customers from common “man-in-the-middle” attacks for e-commerce websites such as DNS spoofing, HTTPS spoofing, or SSL hijacking.

Which of the following configurations will provide the MOST secure access to the website?

#### Options

Register the domain name on Route 53. Use a third-party DNS provider that supports the import of the customer-managed keys for DNSSEC. Import a 2048-bit TLS/SSL certificate from a third-party certificate service to AWS Certificate Manager (ACM). Configure the Application Load Balancer with an HTTPS listener to use the imported TLS/SSL certificate. Use Server Name Identification and HTTP to HTTPS redirection on CloudFront.

Register the domain name on Route 53. Since Route 53 only supports DNSSEC for registration, host the company DNS root servers on Amazon EC2 instances running the BIND service. Enable DNSSEC for DNS requests to ensure the replies have not been tampered with. Generate a valid certificate for the

Use Route 53 for domain registration. Use a third-party DNS service that supports DNSSEC for DNS requests that use the customer-managed keys. Use AWS Certificate Manager (ACM) to generate a valid 2048-bit TLS/SSL certificate for the domain name and configure the Application Load Balancer HTTPS listener to use this TLS/SSL certificate. Use Server Name Identification and HTTP to HTTPS redirection on CloudFront.

Register the domain name on Route 53 and enable DNSSEC validation for all public hosted zones to ensure that all DNS requests have not been tampered with during transit. Use AWS Certificate Manager (ACM) to generate a valid TLS/SSL certificate for the domain name. Configure the Application

Time

Q3. What are the different types of storage gateway in AWS?

Options

- File gateway
- Tape gateway
- Volume gateway
- All of the above

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Q4. You currently have a set of Lambda functions which have business logic embedded in them. You want customers to have the ability to call these functions via HTTPS. How can this be achieved?

Options

- Use the API Gateway and provide integration with the AWS Lambda functions.
- Add EC2 Instances with an API server installed. Integrate the server with AWSLambda functions.
- Enable HTTP access on the AWS Lambda functions
- Use S3 websites to make calls to the Lambda functions

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Q5. An online customer portal is hosted in an Amazon ECS cluster behind an Application Load Balancer. The portal is set as the origin of a CloudFront Web distribution to deliver the dynamic and static content to users in low-latency. A Cloud Engineer was assigned to configure CloudFront to communicate with your origin using HTTP or HTTPS, based on the protocol of the viewer request.

What should the Engineer implement to complete this task?

#### Options

- Set the Origin Protocol policy of the CloudFront distribution to Match Viewer.
- Set the Origin Protocol policy of the CloudFront distribution to HTTP and HTTPS.
- Set the Viewer Protocol policy of the CloudFront distribution to HTTP and HTTPS.
- Set the Viewer Protocol policy of the CloudFront distribution to Match Viewer.



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Sharath Chandran Na



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Q6. A company's requirement is to have a Stack-based model for its resources in AWS. There is a need to have different stacks for the Development and Production environments. Which of the following can be used to fulfill this required methodology?

#### Options

- Use EC2 tags to define different stack layers for your resources.
- Use AWS OpsWorks to define the different layers for your application.
- Define the metadata for the different layers in DynamoDB.
- Use AWS Config to define the different layers for your application.