



SAA-C01^{Q&As}

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**QUESTION 1**

IAM provides several policy templates you can use to automatically assign permissions to the groups you create. The _____ policy template gives the Admins group permission to access all account resources, except your AWS account information

- A. Read Only Access
- B. Power User Access
- C. AWS Cloud Formation Read Only Access
- D. Administrator Access

Correct Answer: B

AWS managed policies are designed to provide permissions for many common use cases. For example, there are AWS managed policies that define typical permissions for administrators (all access), for power users (all access except IAM), and for other various levels of access to AWS services. AWS managed policies make it easier for you to assign appropriate permissions to users, groups, and roles than if you had to write the policies yourself. http://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_managed-vs-inline.html

QUESTION 2

One company wants to share the contents of their Amazon S3 bucket with another company. Security requirements mandate that only the other company's AWS accounts have access to the contents of the Amazon S3 bucket. Which Amazon S3 feature will allow secure access to the Amazon S3 bucket?

- A. Bucket policy
- B. Object tagging
- C. CORS configuration
- D. Lifecycle policy

Correct Answer: A

Reference: https://aws.amazon.com/s3/features/#Access_management_and_security

QUESTION 3

A company has a web application running in a Docker container that connects to a MySQL server in an on-premises data center. The deployment and maintenance of this application are becoming time-consuming and slowing down new feature releases. The company wants to migrate the application to AWS and use services that helps facilitate infrastructure management and deployment.

Which architectures should the company consider on AWS? (Choose two.)

- A. Amazon ECS for the web application, and an Amazon RDS for MySQL for the database.



- B. AWS Elastic Beanstalk Docker Multi-container either for the web application or database.
- C. AWS Elastic Beanstalk Docker Single Container for the web application, and an Amazon RDS for MySQL for the database.
- D. AWS CloudFormation with Lambda Custom Resources without VPC for the web application, and an Amazon RDS for MySQL database.
- E. AWS CloudFormation with Lambda Custom Resources running in a VPC for the web application, and an Amazon RDS for MySQL database.

Correct Answer: CE

QUESTION 4

A company is launching a static website using the zone apex (mycompany.com). The company wants to use Amazon Route 53 for DNS. Which steps should the company perform to implement a scalable and cost-effective solution? (Choose two.)

- A. Host the website on an Amazon EC2 instance with ELB and Auto Scaling, and map a Route 53 alias record to the ELB endpoint.
- B. Host the website using AWS Elastic Beanstalk, and map a Route 53 alias record to the Beanstalk stack.
- C. Host the website on an Amazon EC2 instance, and map a Route 53 alias record to the public IP address of the Amazon EC2 instance.
- D. Serve the website from an Amazon S3 bucket, and map a Route 53 alias record to the website endpoint.
- E. Create a Route 53 hosted zone, and set the NS records of the domain to use Route 53 name servers.

Correct Answer: CD

QUESTION 5

A company is rolling out a new web service, but is unsure how many customers the service will attract. However, the company is unwilling to accept any downtime. What could a Solutions Architect recommend to the company in order to keep track of customers' current session data?

- A. Amazon EC2
- B. Amazon RDS
- C. AWS CloudTrail
- D. Amazon DynamoDB

Correct Answer: D



QUESTION 6

A Solutions Architect is designing a three-tier web application that will allow customers to upload pictures from a mobile application. The application will then generate a thumbnail of the picture and return a message to the user confirming that the image was successfully uploaded. Generation of the thumbnail may take up to 5 seconds. To provide a sub second response time to the customers uploading the images, the Solutions Architect wants to separate the web tier from the application tier.

Which service would allow the presentation tier to asynchronously dispatch the request to the application tier?

- A. AWS Step Functions
- B. AWS Lambda
- C. Amazon SNS
- D. Amazon SQS

Correct Answer: A

QUESTION 7

Your company has recently extended its datacenter into a VPC on AVVS to add burst computing capacity as needed. Members of your Network Operations Center need to be able to go to the AWS Management Console and administer Amazon EC2 instances as necessary. You don't want to create new IAM users for each NOC member and make those users sign in again to the AWS Management Console. Which option below will meet the needs for your NOC members?

- A. Use OAuth 2.0 to retrieve temporary AWS security credentials to enable your NOC members to sign in to the AVVS Management Console.
- B. Use web Identity Federation to retrieve AWS temporary security credentials to enable your NOC members to sign in to the AWS Management Console.
- C. Use your on-premises SAML 2.0-compliant identity provider (IDP) to grant the NOC members federated access to the AWS Management Console via the AWS single sign-on (SSO) endpoint.
- D. Use your on-premises SAML 2.0-compliant identity provider (IDP) to retrieve temporary security credentials to enable NOC members to sign in to the AWS Management Console.

Correct Answer: C

QUESTION 8

An organization uses Amazon S3 to store video content served via its website. It only has rights to deliver this content to users within its own country and needs to restrict access. How can the organization ensure that these files are only accessible from within its country?

- A. Use a custom Amazon S3 bucket policy to allow access only to users inside the organization's country
- B. Use Amazon CloudFront and Geo Restriction to allow access only to users inside the organization's country



- C. Use an Amazon S3 bucket ACL to allow access only to users inside the organization's country
- D. Use file-based ACL permissions on each video file to allow access only to users inside the organization's country

Correct Answer: A

Reference <https://docs.aws.amazon.com/AmazonCloudFront/latest/DeveloperGuide/private-content-restricting-access-to-s3.html>

QUESTION 9

A photo-sharing website running on AWS allows users to generate thumbnail images of photos stored in Amazon S3. An Amazon DynamoDB table maintains the locations of photos, and thumbnails are easily re-created from the originals if they are accidentally deleted.

How should the thumbnail images be stored to ensure the LOWEST cost?

- A. Amazon S3 Standard-Infrequent Access (S3 Standard-IA) with cross-region replication
- B. Amazon S3
- C. Amazon Glacier
- D. Amazon S3 with cross-region replication

Correct Answer: B

QUESTION 10

An application runs on multiple Amazon EC2 instances. Each running instance of the application must have access to a shared file system. Where should the data be stored?

- A. Amazon S3
- B. Amazon DynamoDB
- C. Amazon EFS
- D. Amazon EBS

Correct Answer: C

Reference: <https://aws.amazon.com/ec2/features/>

QUESTION 11

A web company is looking to implement an external payment service into their highly available application deployed in a VPC. Their application EC2 instances are behind a public facing ELB. Auto scaling is used to add additional instances as

traffic increases under normal load the application runs



2 instances in the Auto Scaling group but at peak it can scale 3x in size. The application instances need to communicate with the payment service over the Internet which requires whitelisting of all public IP addresses used to communicate with it. A maximum of 4 whitelisting IP addresses is allowed at a time and can be added through an API.

How should they architect their solution?

- A. Route payment requests through two NAT instances setup for High Availability and whitelist the Elastic IP addresses attached to the NAT instances.
- B. Whitelist the VPC Internet Gateway Public IP and route payment requests through the Internet Gateway.
- C. Whitelist the ELB IP addresses and route payment requests from the Application servers through the ELB.
- D. Automatically assign public IP addresses to the application instances in the Auto Scaling group and run a script on boot that adds each instances public IP address to the payment validation whitelist API.

Correct Answer: A

B is incorrect as you do not have insight into the public ip associated with a VPC Internet Gateways.

C is incorrect as ELB receives a public DNS name.

D would exceed the maximum of 4 whitelisting IP addresses.

QUESTION 12

A web application runs on Amazon EC2 instances behind an ELB Application Load Balancer. The instances run in an EC2 Auto Scaling group across multiple Availability Zones. Every night, the Auto Scaling group doubles in size. Traffic analysis shows that users in a particular region are requesting the same static content stored locally on the EC2 instances.

How can a Solutions Architect reduce the need to scale and improve application performance for the users?

- A. Re-deploy the application in a new VPC that is closer to the users making the requests.
- B. Create an Amazon CloudFront distribution for the site and redirect user traffic to the distribution.
- C. Store the contents on Amazon EFS instead of the EC2 root volume.
- D. Implement Amazon Redshift to create a repository of the content closer to the users.

Correct Answer: B

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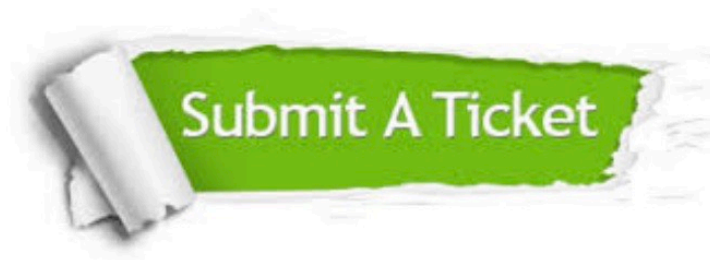
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