

- **Vendor: Amazon**
- **Exam Code: SAA-C02**
- **Exam Name: AWS Certified Solutions Architect - Associate**
- **New Questions (Aug/2021)**

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NEW QUESTION 696

A company is relocating its data center and wants to securely transfer 50 TB of data to AWS within 2 weeks. The existing data center has a Site-to-Site VPN connection to AWS that is 90% utilized. Which AWS service should a solutions architect use to meet these requirements?

- A. AWS DataSync with a VPC endpoint.
- B. AWS Direct Connect.
- C. AWS Snowball Edge Storage Optimized.
- D. AWS Storage Gateway.

Answer: C

NEW QUESTION 697

An entertainment company is using Amazon DynamoDB to store media metadata. The application is read intensive and experiencing delays. The company does not have staff to handle additional operational overhead and needs to improve the performance efficiency of DynamoDB without reconfiguring the application. What should a solutions architect recommend to meet this requirement?

- A. Use Amazon ElastiCache for Redis.
- B. Use Amazon DynamoDB Accelerator (DAX).
- C. Replicate data by using DynamoDB global tables.
- D. Use Amazon ElastiCache for Memcached with Auto Discovery enabled.

Answer: D

NEW QUESTION 698

A company wants to build a scalable key management infrastructure to support developers who need to encrypt data in their applications. What should a solutions architect do to reduce the operational burden?

- A. Use multi-factor authentication (MFA) to protect the encryption keys.
- B. Use AWS Key Management Service (AWS KMS) to protect the encryption keys.
- C. Use AWS Certificate Manager (ACM) to create, store, and assign the encryption keys.
- D. Use an IAM policy to limit the scope of users who have access permissions to protect the encryption keys.

Answer: B

Explanation:

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

NEW QUESTION 699

A company uses AWS Organizations to manage multiple AWS accounts for different departments. The management account has an Amazon S3 bucket that contains project reports. The company wants to limit access to this S3 bucket to only users of accounts within the organization in AWS Organizations. Which solution meets these requirements with the LEAST amount of operational overhead?

- A. Add the aws:PrincipalOrgID global condition key with a reference to the organization ID to the S3 bucket policy.

- B. Create an organizational unit (OU) for each department. Add the aws:PrincipalOrgPaths global condition key to the S3 bucket policy.
- C. Use AWS CloudTrail to monitor the CreateAccount, InviteAccountToOrganization, LeaveOrganization, and RemoveAccountFromOrganization events. Update the S3 bucket policy accordingly.
- D. Tag each user that needs access to the S3 bucket. Add the aws:PrincipalTag global condition key to the S3 bucket policy.

Answer: D

NEW QUESTION 700

A company runs an application in the AWS Cloud and uses Amazon DynamoDB as the database. The company deploys Amazon EC2 instances to a private network to process data from the database. The company uses two NAT instances to provide connectivity to DynamoDB. The company wants to retire the NAT instances. A solutions architect must implement a solution that provides connectivity to DynamoDB and that does not require ongoing management. What is the MOST cost-effective solution that meets these requirements?

- A. Create a gateway VPC endpoint to provide connectivity to DynamoDB.
- B. Configure a managed NAT gateway to provide connectivity to DynamoDB.
- C. Establish an AWS Direct Connect connection between the private network and DynamoDB.
- D. Deploy an AWS PrivateLink endpoint service between the private network and DynamoDB.

Answer: B

NEW QUESTION 701

A solutions architect is designing a two-tiered architecture that has separate private subnets for compute resources and the database. An AWS Lambda function that is deployed in the compute subnets needs connectivity to the database. Which solution will provide this connectivity in the MOST secure way?

- A. Configure the Lambda function to use Amazon RDS Proxy outside the VPC.
- B. Associate a security group with the Lambda function. Authorize this security group in the database's security group.
- C. Authorize the compute subnet's CIDR ranges in the database's security group.
- D. During the initialization phase, authorize all IP addresses in the database's security group temporarily. Remove the rule after the initialization is complete.

Answer: B

NEW QUESTION 702

A ride-sharing company stores historical service usage data as structured .csv data files in Amazon S3. A data analyst needs to perform SQL queries on this data. A solutions architect must recommend a solution that optimizes cost-effectiveness for the queries. Which solution meets these requirements?

- A. Create an Amazon EMR cluster. Load the data. Perform the queries.
- B. Create an Amazon Redshift cluster. Import the data. Perform the queries.
- C. Create an Amazon Aurora PostgreSQL DB cluster. Import the data. Perform the queries.
- D. Create an Amazon Athena database. Associate the data in Amazon S3. Perform the queries.

Answer: D

Explanation:

<https://searchcloudcomputing.techtarget.com/answer/Compare-EMR-Redshift-and-Athena-for-data-analysis-on-AWS>

NEW QUESTION 703

A company is running a publicly accessible serverless application that uses Amazon API Gateway and AWS Lambda. The application's traffic recently spiked due to fraudulent requests from botnets. Which steps should a solutions architect take to block requests from unauthorized users? (Choose two.)

- A. Create a usage plan with an API key that is shared with genuine users only.
- B. Integrate logic within the Lambda function to ignore the requests from fraudulent IP addresses.
- C. Implement an AWS WAF rule to target malicious requests and trigger actions to filter them out.
- D. Convert the existing public API to a private API. Update the DNS records to redirect users to the new API endpoint.
- E. Create an IAM role for each user attempting to access the API. A user will assume the role when making the API call.

Answer: AE

NEW QUESTION 704

A company wants to migrate its accounting system from an on-premises data center to the AWS Cloud in a single AWS Region. Data security and an immutable audit log are the top priorities. The company must monitor all AWS activities for compliance auditing. The company has enabled AWS CloudTrail but wants to make sure it meets these requirements. Which actions should a solutions architect take to protect and secure CloudTrail? (Choose two.)

- A. Enable CloudTrail log file validation.
- B. Install the CloudTrail Processing Library.
- C. Enable logging of Insights events in CloudTrail.
- D. Enable custom logging from the on-premises resources.
- E. Create an AWS Config rule to monitor whether CloudTrail is configured to use server-side encryption with AWS KMS managed encryption keys (SSE-KMS).

Answer: AC

NEW QUESTION 705

A company needs to ingest and handle large amounts of streaming data that its application generates. The application runs on Amazon EC2 instances and sends data to Amazon Kinesis Data Streams, which is configured with default settings. Every other day, the application consumes the data and writes the data to an Amazon S3 bucket for business intelligence (BI) processing. The company observes that Amazon S3 is not receiving all the data that the application sends to Kinesis Data Streams. What should a solutions architect do to resolve this issue?

- A. Update the Kinesis Data Streams default settings by modifying the data retention period.
- B. Update the application to use the Kinesis Producer Library (KPL) to send the data to Kinesis Data Streams.
- C. Update the number of Kinesis shards to handle the throughput of the data that is sent to Kinesis Data Streams.
- D. Turn on S3 Versioning within the S3 bucket to preserve every version of every object that is ingested in the S3 bucket.

Answer: C

Explanation:

<https://aws.amazon.com/kinesis/data-firehose/faqs/>

NEW QUESTION 706

A company is developing a file-sharing application that will use an Amazon S3 bucket for storage. The company wants to serve all the files through an Amazon CloudFront distribution. The company does not want the files to be accessible through direct navigation to the S3 URL. What should a solutions architect do to meet these requirements?

- A. Write individual policies for each S3 bucket to grant read permission for only CloudFront access.
- B. Create an IAM user. Grant the user read permission to objects in the S3 bucket. Assign the user to CloudFront.
- C. Write an S3 bucket policy that assigns the CloudFront distribution ID as the Principal and assigns the target S3 bucket as the Amazon Resource Name (ARN).
- D. Create an origin access identity (OAI). Assign the OAI to the CloudFront distribution. Configure the S3 bucket permissions so that only the OAI has read permission.

Answer: C

Explanation:

<https://aws.amazon.com/premiumsupport/knowledge-center/cloudfront-access-to-amazon-s3/>

NEW QUESTION 707

A company has primary and secondary data centers that are 500 miles (804.7 km) apart and interconnected with high-speed fiber-optic cable. The company needs a highly available and secure network connection between its data centers and a VPC on AWS for a mission-critical workload. A solutions architect must choose a connection solution that provides maximum resiliency. Which solution meets these requirements?

- A. Two AWS Direct Connect connections from the primary data center terminating at two Direct Connect locations on two separate devices.
- B. A single AWS Direct Connect connection from each of the primary and secondary data centers terminating at one Direct Connect location on the same device.
- C. Two AWS Direct Connect connections from each of the primary and secondary data centers terminating at two Direct Connect locations on two separate devices.
- D. A single AWS Direct Connect connection from each of the primary and secondary data centers terminating at one Direct Connect location on two separate devices.

Answer: D

NEW QUESTION 708

A company runs a fleet of web servers using an Amazon RDS for PostgreSQL DB instance. After a routine compliance check, the company sets a standard that requires a recovery point objective (RPO) of less than 1 second for all its production databases. Which solution meets these requirements?

- A. Enable a Multi-AZ deployment for the DB instance.
- B. Enable auto scaling for the DB instance in one Availability Zone.
- C. Configure the DB instance in one Availability Zone, and create multiple read replicas in a separate Availability Zone.
- D. Configure the DB instance in one Availability Zone, and configure AWS Database Migration Service (AWS DMS) change data capture (CDC) tasks.

Answer: D

Explanation:

<https://aws.amazon.com/blogs/database/implementing-a-disaster-recovery-strategy-with-amazon-rds/>

NEW QUESTION 709

A gaming company hosts a browser-based application on AWS. The users of the application consume a large number of videos and images that are stored in Amazon S3. This content is the same for all users. The application has increased in popularity, and millions of users worldwide are accessing these media files. The company wants to provide the files to the users while reducing the load on the origin. Which solution meets these requirements MOST cost-effectively?

- A. Deploy an AWS Global Accelerator accelerator in front of the web servers.
- B. Deploy an Amazon CloudFront web distribution in front of the S3 bucket.
- C. Deploy an Amazon ElastiCache for Redis instance in front of the web servers.
- D. Deploy an Amazon ElastiCache for Memcached instance in front of the web servers.

Answer: B

Explanation:

<https://aws.amazon.com/getting-started/hands-on/deliver-content-faster/>

NEW QUESTION 710

An online learning company is migrating to the AWS Cloud. The company maintains its student records in a PostgreSQL database. The company needs a solution in which its data is available and online across multiple AWS Regions at all times. Which solution will meet these requirements with the LEAST amount of operational overhead?

- A. Migrate the PostgreSQL database to a PostgreSQL cluster on Amazon EC2 instances.
- B. Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance with the Multi-AZ feature turned on.
- C. Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance. Create a read replica in another Region.
- D. Migrate the PostgreSQL database to an Amazon RDS for PostgreSQL DB instance. Set up DB snapshots to be copied to another Region.

Answer: D

NEW QUESTION 711

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