Free Questions for DBS-C01 by certsinside

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Question 1

Question Type: MultipleChoice

A company is using an Amazon ElastiCache for Redis cluster to host its online shopping website. Shoppers receive the following error when the website's application queries the cluster:

```
OOM command not allowed when used memory > 'maxmemory'
```

Which solutions will resolve this memory issues with the LEAST amount of effort? (Choose three.)

Options:

A- Reduce the TTL value for keys on the node.

B- Choose a larger node type.

C- Test different values in the parameter group for the maxmemory-policy parameter to find the ideal value to use.

D- Increase the number of nodes.

E- Monitor the EngineCPUUtilization Amazon CloudWatch metric. Create an AWS Lambda function to delete keys on nodes when a threshold is reached.

F- Increase the TTL value for keys on the node.

Answer:

A, B, C

Explanation:

https://aws.amazon.com/premiumsupport/knowledge-center/oom-command-not-allowed-redis/

Question 2

Question Type: MultipleChoice

A company has branch offices in the United States and Singapore. The company has a three-tier web application that uses a shared database. The database runs on an Amazon RDS for MySQL DB instance that is hosted in the us-west-2 Region. The application has a distributed front end that is deployed in us-west-2 and in the ap-southeast-1 Region. The company uses this front end as a dashboard that provides statistics to sales managers in each branch office.

The dashboard loads more slowly in the Singapore branch office than in the United States branch office. The company needs a solution so that the dashboard loads consistently for users in each location.

Which solution will meet these requirements in the MOST operationally efficient way?

Options:

A- Take a snapshot of the DB instance in us-west-2. Create a new DB instance in ap-southeast-2 from the snapshot. Reconfigure the ap-southeast-1 front-end dashboard to access the new DB instance.

B- Create an RDS read replica in ap-southeast-1 from the primary DB instance in us-west-2. Reconfigure the ap-southeast-1 front-end dashboard to access the read replica.

C- Create a new DB instance in ap-southeast-1. Use AWS Database Migration Service (AWS DMS) and change data capture (CDC) to update the new DB instance in ap-southeast-1. Reconfigure the ap-southeast-1 front-end dashboard to access the new DB instance.

D- Create an RDS read replica in us-west-2, where the primary DB instance resides. Create a read replica in ap-southeast-1 from the read replica in us-west-2. Reconfigure the ap-southeast-1 front-end dashboard to access the read replica in ap-southeast-1.

Answer:

B

Question 3

Question Type: MultipleChoice

A company has an AWS CloudFormation stack that defines an Amazon RDS DB instance. The company accidentally deletes the stack and loses recent data from the DB instance. A database specialist must change the CloudFormation template for the RDS resource to reduce the chance of accidental data loss from the DB instance in the future.

Which combination of actions should the database specialist take to meet this requirement? (Choose three.)

Options:

A- Set the DeletionProtection property to True.

B- Set the MultiAZ property to True.

C- Set the TerminationProtection property to True.

D- Set the DeleteAutomatedBackups property to False.

E- Set the DeletionPolicy attribute to No.

F- Set the DeletionPolicy attribute to Retain.

Answer:

A, D, F

Question 4

Question Type: **MultipleChoice**

A software company is conducting a security audit of its three-node Amazon Aurora MySQL DB cluster.

Which finding is a security concern that needs to be addressed?

Options:

A- The AWS account root user does not have the minimum privileges required for client applications.

B- Encryption in transit is not configured for all Aurora native backup processes.

C- Each Aurora DB cluster node is not in a separate private VPC with restricted access.

D- The IAM credentials used by the application are not rotated regularly.

Answer:

D

Explanation:

Rotate your IAM credentials regularly.

Question 5

Question Type: MultipleChoice

A company's database specialist implements an AWS Database Migration Service (AWS DMS) task for change data capture (CDC) to replicate data from an on- premises Oracle database to Amazon S3. When usage of the company's application increases, the database specialist notices multiple hours of latency with the CDC.

Which solutions will reduce this latency? (Choose two.)

Options:

A- Configure the DMS task to run in full large binary object (LOB) mode.

B- Configure the DMS task to run in limited large binary object (LOB) mode.

C- Create a Multi-AZ replication instance.

D- Load tables in parallel by creating multiple replication instances for sets of tables that participate in common transactions.

E- Replicate tables in parallel by creating multiple DMS tasks for sets of tables that do not participate in common transactions.

Answer:

B, E

Question 6

Question Type: **MultipleChoice**

A gaming company is evaluating Amazon ElastiCache as a solution to manage player leaderboards. Millions of players around the world will complete in annual tournaments. The company wants to implement an architecture that is highly available. The company also wants to ensure that maintenance activities have minimal impact on the availability of the gaming platform.

Which combination of steps should the company take to meet these requirements? (Choose two.)

Options:

A- Deploy an ElastiCache for Redis cluster with read replicas and Multi-AZ enabled.

B- Deploy an ElastiCache for Memcached global datastore.

C- Deploy a single-node ElastiCache for Redis cluster with automatic backups enabled. In the event of a failure, create a new cluster and restore data from the most recent backup.

D- Use the default maintenance window to apply any required system changes and mandatory updates as soon as they are available.

E- Choose a preferred maintenance window at the time of lowest usage to apply any required changes and mandatory updates.

Answer:

A, E

Explanation:

https://aws.amazon.com/blogs/database/configuring-amazon-elasticache-for-redis-for-higher-availability/

Question 7

Question Type: MultipleChoice

A security team is conducting an audit for a financial company. The security team discovers that the database credentials of an Amazon RDS for MySQL DB instance are hardcoded in the source code. The source code is stored in a shared location for automatic deployment and is exposed to all users who can access the location.

A database specialist must use encryption to ensure that the credentials are not visible in the source code.

Which solution will meet these requirements?

Options:

A- Use an AWS Key Management Service (AWS KMS) key to encrypt the most recent database backup. Restore the backup as a new database to activate encryption.

B- Store the source code to access the credentials in an AWS Systems Manager Parameter Store secure string parameter that is encrypted by AWS Key Management Service (AWS KMS). Access the code with calls to Systems Manager.

C- Store the credentials in an AWS Systems Manager Parameter Store secure string parameter that is encrypted by AWS Key Management Service (AWS KMS). Access the credentials with calls to Systems Manager.

D- Use an AWS Key Management Service (AWS KMS) key to encrypt the DB instance at rest. Activate RDS encryption in transit by using SSL certificates.

Answer:

C

Explanation:

only creds in system manager secure parameter.

Question 8

Question Type: MultipleChoice

A database specialist wants to ensure that an Amazon Aurora DB cluster is always automatically upgraded to the most recent minor version available. Noticing that there is a new minor version available, the database specialist has issues an AWS CLI command to enable automatic minor version updates. The command runs successfully, but checking the Aurora DB cluster indicates that no update to the Aurora version has been made.

What might account for this? (Choose two.)

Options:

A- The new minor version has not yet been designated as preferred and requires a manual upgrade.

B- Configuring automatic upgrades using the AWS CLI is not supported. This must be enabled expressly using the AWS Management Console.

C- Applying minor version upgrades requires sufficient free space.

D- The AWS CLI command did not include an apply-immediately parameter.

E- Aurora has detected a breaking change in the new minor version and has automatically rejected the upgrade.

Answer:

A, D

Explanation:

'When Amazon RDS designates a minor engine version as the preferred minor engine version, each database that meets both of the following conditions is upgraded to the minor engine version automatically'

https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_UpgradeDBInstance.Upgrading.html

Call the modify-db-instance Amazon CLI command. Specify the name of your DB instance for the --db-instance-identifier option and true for the --auto-minor-version-upgrade option. Optionally, specify the --apply-immediately option to immediately enable this setting for your DB instance. Run a separate modify-db-instance command for each DB instance in the cluster.
https://docs.amazonaws.cn/en_us/AmazonRDS/latest/AuroraUserGuide/AuroraMySQL.Updates.Patching.html#AuroraMySQL.Updates.AMVU

Question 9

Question Type: MultipleChoice

A company hosts an on-premises Microsoft SQL Server Enterprise edition database with Transparent Data Encryption (TDE) enabled. The database is 20 TB in size and includes sparse tables. The company needs to migrate the database to Amazon RDS for SQL Server during a maintenance window that is scheduled for an upcoming weekend. Data-at-rest encryption must be enabled for the target DB instance.

Which combination of steps should the company take to migrate the database to AWS in the MOST operationally efficient manner? (Choose two.)

Options:

A- Use AWS Database Migration Service (AWS DMS) to migrate from the on-premises source database to the RDS for SQL Server target database.

B- Disable TDE. Create a database backup without encryption. Copy the backup to Amazon S3.

C- Restore the backup to the RDS for SQL Server DB instance. Enable TDE for the RDS for SQL Server DB instance.

D- Set up an AWS Snowball Edge device. Copy the database backup to the device. Send the device to AWS. Restore the database

from Amazon S3.

E- Encrypt the data with client-side encryption before transferring the data to Amazon RDS.

Answer:

B, C

Explanation:

https://aws.amazon.com/blogs/database/migrate-tde-enabled-sql-server-databases-to-amazon-rds-for-sql-server/