DVA-C01^{Q&As}

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QUESTION 1

In a multi-container Docker environment in AWS Elastic Beanstalk, what is required to configure container instances in the environment?

A. An Amazon ECS task definition

B. An Amazon ECS cluster

C. A Docker in an application package

D. A CLI for Elastic Beanstalk

Correct Answer: A

QUESTION 2

A Developer is designing a new application that uses Amazon S3. To satisfy compliance requirements, the Developer must encrypt the data at rest.

How can the Developer accomplish this?

A. Use s3:x-amz-acl as a condition in the S3 bucket policy.

B. Use Amazon RDS with default encryption.

C. Use aws:SecureTransport as a condition in the S3 bucket policy.

D. Turn on S3 default encryption for the S3 bucket.

Correct Answer: D

QUESTION 3

A development team is using AWS Elastic Beanstalk to deploy a two-tier application that consists of a load-balanced web tier and an Amazon RDS database tier in production. The team would like to separate the RDS instance from the Elastic Beanstalk.

How can this be accomplished?

A. Use the Elastic Beanstalk CLI to disassociate the database.

B. Use the AWS CLI to disassociate the database.

C. Change the deployment policy to disassociate the database.

D. Recreate a new Elastic Beanstalk environment without Amazon RDS.

Correct Answer: D

https://aws.amazon.com/premiumsupport/knowledge-center/decouple-rds-from-beanstalk/

QUESTION 4

Which of the following are good use cases for how Amazon ElastiCache can help an application? (Select TWO.)

A. Improve the performance of S3 PUT operations

B. Improve the latency of deployments performed by AWS CodeDeploy

C. Improve latency and throughput for read-heavy application workloads.

D. Reduce the time required to merge AWS CodeCommit branches

E. Improve performance of compute-intensive applications.

Correct Answer: CE

QUESTION 5

Multiple development teams are working on a project to migrate a monolithic application to a microservices-based application running on AWS Lambda The teams need a way to centrally manage code that is shared across multiple functions

Which approach requires the LEAST maintenance?

A. Each team maintains the code for the common components in their own code repository. They build and deploy the components with their Lambda functions together.

B. One team builds a Lambda layer to include the common components and shares the layer with the other teams

C. Each team builds and publishes the component they want to share to an Amazon S3 bucket The Lambda functions will download the components from the bucket

D. One team builds a Docker container for the common components and shares the container with the other teams

Correct Answer: C

QUESTION 6

A company is running a custom application on a set of on-premises Linux servers that are accessed using Amazon API Gateway AWS X-Ray tracing has been enabled on the API test stage.

How can a developer enable X-Ray tracing on the on-premises servers with the LEAST amount of configuration?

A. Install and run the X-Ray SDK on the on-premises servers to capture and relay the data to the X-Ray service.

B. Install and run the X-Ray daemon on the on-premises servers to capture and relay the data to the X-Ray service.

C. Capture incoming requests on-premises and configure an AWS Lambda function to pull, process, and relay relevant data to X-Ray using the PutTraceSegments API call.

D. Capture incoming requests on-premises and configure an AWS Lambda function to pull, process, and relay relevant

data to X-Ray using the PutTelemetryRecords API call.

Correct Answer: B

QUESTION 7

A Developer is asked to implement a caching layer in front of Amazon RDS. Cached content is expensive to regenerate in case of service failure. Which implementation below would work while maintaining maximum uptime?

A. Implement Amazon ElastiCache Redis in Cluster Mode

B. Install Redis on an Amazon EC2 instance.

C. Implement Amazon ElastiCache Memcached.

D. Migrate the database to Amazon Redshift.

Correct Answer: A

https://docs.aws.amazon.com/AmazonElastiCache/latest/mem-ug/SelectEngine.html

QUESTION 8

A developer is building a website that will be hosted in an Amazon S3 bucket with static website hosting enabled. The developer will use Amazon Route 53 for the DNS service and will use an alias record to point the company\\'s domain to the bucket. The developer must redirect one S3 object to a different URL.

What should the developer use so that the redirect will work correctly from a page on the website?

A. A Route 53 CNAME alias record that points to the new location

B. An S3 object-level redirect through system-defined metadata

C. A Route 53 A record that points to the new location

D. A redirect that is configured within the S3 bucket\\'s policy

Correct Answer: A

Reference: https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/RoutingToS3Bucket.html

QUESTION 9

An application runs on multiple EC2 instances behind an ELB.

Where is the session data best written so that it can be served reliably across multiple requests?

A. Write data to Amazon ElastiCache

B. Write data to Amazon Elastic Block Store.

C. Write data to Amazon EC2 Instance Store.

D. Write data to the root filesystem.

Correct Answer: C

Reference: https://docs.aws.amazon.com/aws-technical-content/latest/microservices-on-aws/microservices- on-aws.pdf?icmpid=link_from_whitepapers_page (14)

QUESTION 10

A company needs to encrypt data at rest, but it wants to leverage an AWS managed service using its own master key.

Which of the following AWS service can be used to meet these requirements?

A. SSE with Amazon S3

B. SSE with AWS KMS

C. Client-side encryption

D. AWS IAM roles and policies

Correct Answer: B

QUESTION 11

Games-R-Us is launching a new game app for mobile devices. Users will log into the game using their existing Facebook account and the game will record player data and scoring information directly to a DynamoDB table.

What is the most secure approach for signing requests to the DynamoDB API?

A. Create an IAM user with access credentials that are distributed with the mobile app to sign the requests

B. Distribute the AWS root account access credentials with the mobile app to sign the requests

C. Request temporary security credentials using web identity federation to sign the requests

D. Establish cross account access between the mobile app and the DynamoDB table to sign the requests

Correct Answer: C

QUESTION 12

A Developer has created a software package to be deployed on multiple EC2 instances using IAM roles.

What actions could be performed to verify IAM access to get records from Amazon Kinesis Streams? (Select TWO.)

A. Use the AWS CLI to retrieve the IAM group.

B. Query Amazon EC2 metadata for in-line IAM policies.

C. Request a token from AWS STS, and perform a describe action.

D. Perform a get action using the ?dry-run argument.

E. Validate the IAM role policy with the IAM policy simulator.

Correct Answer: AE

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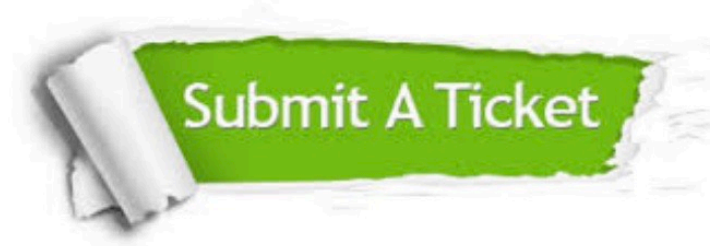Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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