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QUESTION 1

A company is running an application on Amazon EC2 instances in the AWS Cloud. The application is using a MongoDB database with a replica set as its data tier. The MongoDB database is installed on systems in the company\\'s on-premises data center and is accessible through an AWS Direct Connect connection to the data center environment.

A solutions architect must migrate the on-premises MongoDB database to Amazon DocumentDB (with MongoDB compatibility).

Which strategy should the solutions architect choose to perform this migration?

A. Create a fleet of EC2 instances. Install MongoDB Community Edition on the EC2 instances, and create a database. Configure continuous synchronous replication with the database that is running in the on-premises data center.

B. Create an AWS Database Migration Service (AWS DMS) replication instance. Create a source endpoint for the on-premises MongoDB database by using change data capture (CDC). Create a target endpoint for the Amazon DocumentDB database. Create and run a DMS migration task.

C. Create a data migration pipeline by using AWS Data Pipeline. Define data nodes for the on-premises MongoDB database and the Amazon DocumentDB database. Create a scheduled task to run the data pipeline.

D. Create a source endpoint for the on-premises MongoDB database by using AWS Glue crawlers. Configure continuous asynchronous replication between the MongoDB database and the Amazon DocumentDB database.

Correct Answer: B

https://aws.amazon.com/getting-started/hands-on/move-to-managed/migrate-mongodb-to-documentdb/

QUESTION 2

A company has developed a new release of a popular video game and wants to make it available for public download. The new release package is approximately 5 GB in size. The company provides downloads for existing releases from a Linux-based, publicly facing FTP site hosted in an on-premises data center. The company expects the new release will be downloaded by users worldwide The company wants a solution that provides improved download performance and low transfer costs, regardless of a user\\'s location.

Which solutions will meet these requirements?

A. Store the game files on Amazon EBS volumes mounted on Amazon EC2 instances within an Auto Scaling group Configure an FTP service on the EC2 instances Use an Application Load Balancer in front of the Auto Scaling group. Publish the game download URL for users to download the package.

B. Store the game files on Amazon EFS volumes that are attached to Amazon EC2 instances within an Auto Scaling group Configure an FTP service on each of the EC2 instances Use an Application Load Balancer in front of the Auto Scaling group Publish the game download URL for users to download the package

C. Configure Amazon Route 53 and an Amazon S3 bucket for website hosting Upload the game files to the S3 bucket Use Amazon CloudFront for the website Publish the game download URL for users to download the package.

D. Configure Amazon Route 53 and an Amazon S3 bucket for website hosting Upload the game files to the S3 bucket Set Requester Pays for the S3 bucket Publish the game download URL for users to download the package

Correct Answer: C

QUESTION 3

A company wants to migrate its workloads from on premises to AWS. The workloads run on Linux and Windows. The company has a large on-premises intra structure that consists of physical machines and VMs that host numerous applications.

The company must capture details about the system configuration. system performance. running processuse and network coi.net lions of its o. -premises ,on boards. The company also must divide the on-premises applications into groups for AWS migrations. The company needs recommendations for Amazon EC2 instance types so that the company can run its workloads on AWS in the most cost-effective manner.

Which combination of steps should a solutions architect take to meet these requirements? (Select THREE.)

A. Assess the existing applications by installing AWS Application Discovery Agent on the physical machines and VMs.

B. Assess the existing applications by installing AWS Systems Manager Agent on the physical machines and VMs

C. Group servers into applications for migration by using AWS Systems Manager Application Manager.

D. Group servers into applications for migration by using AWS Migration Hub.

E. Generate recommended instance types and associated costs by using AWS Migration Hub.

F. Import data about server sizes into AWS Trusted Advisor. Follow the recommendations for cost optimization.

Correct Answer: ADE

https://docs.aws.amazon.com/application-discovery/latest/userguide/discovery-agent.html
https://docs.aws.amazon.com/migrationhub/latest/ug/ec2-recommendations.html

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QUESTION 4

A company\\'s AWS architecture currently uses access keys and secret access keys stored on each instance to access AWS services. Database credentials are hard-coded on each instance. SSH keys for command-tine remote access are stored in a secured Amazon S3 bucket. The company has asked its solutions architect to improve the security posture of the architecture without adding operational complexity.

Which combination of steps should the solutions architect take to accomplish this? (Select THREE.)

A. Use Amazon EC2 instance profiles with an IAM role.

B. Use AWS Secrets Manager to store access keys and secret access keys.

C. Use AWS Systems Manager Parameter Store to store database credentials.

D. Use a secure fleet of Amazon EC2 bastion hosts (or remote access.

E. Use AWS KMS to store database credentials.

F. Use AWS Systems Manager Session Manager tor remote access

Correct Answer: ACF

A - roles and instance profiles attached to an instance defining who and what access is a best practice B - not required if your using SSM session manager so you would not need access keys for instances C - parameter store can be used to store secrets so we are green better option would be secrets manager which password rotation D - not wrong but why would you when you can use session manager? E - just wrong F - no brainer https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager.html

QUESTION 5

A company is deploying a new application on AWS. The application consists of an Amazon Elastic Kubernetes Service (Amazon EKS) cluster and an Amazon Elastic Container Registry (Amazon ECR) repository. The EKS cluster has an

AWS managed node group.

The company\\'s security guidelines state that all resources on AWS must be continuously scanned for security vulnerabilities.

Which solution will meet this requirement with the LEAST operational overhead?

A. Activate AWS Security Hub. Configure Security Hub to scan the EKS nodes and the ECR repository.

B. Activate Amazon Inspector to scan the EKS nodes and the ECR repository.

C. Launch a new Amazon EC2 instance and install a vulnerability scanning tool from AWS Marketplace. Configure the EC2 instance to scan the EKS nodes. Configure Amazon ECR to perform a basic scan on push.

D. Install the Amazon CloudWatch agent on the EKS nodes. Configure the CloudWatch agent to scan continuously. Configure Amazon ECR to perform a basic scan on push.

Correct Answer: B

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