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If you want to pass Amazon AWS-Solutions-Architect-Professional exam and get a high paying job in the industry; if you are searching for the perfect AWS-Solutions-Architect-Professional exam prep material to get your dream job, then you must consider using our AWS Certified Solutions Architect - Professional exam products to improve your skillset. We have curated new AWS-Solutions-Architect-Professional Questions Answers to help you prepare for the exam. It can be your golden ticket to pass the Amazon AWS-Solutions-Architect-Professional test on the first attempt. We are providing latest AWS-Solutions-Architect-Professional PDF question answers to help you prepare exam while working in the office to save your time.

The AWS-Solutions-Architect-Professional exam is intended for individuals who have already earned the AWS Certified Solutions Architect - Associate certification and have gained significant experience working with AWS. AWS-Solutions-Architect-Professional exam validates the ability to design and manage complex AWS applications, understand core AWS services, and implement best practices for security and scalability.

Passing the AWS-Solutions-Architect-Professional certification exam demonstrates that the candidate has a deep understanding of the AWS platform and can design and deploy highly available and fault-tolerant systems on AWS. AWS Certified Solutions Architect - Professional certification is highly regarded in the industry and is recognized as a standard for cloud architects. AWS-Solutions-Architect-Professional Certified professionals are in high demand and can command higher salaries compared to non-certified professionals. The AWS-Solutions-Architect-Professional certification is a valuable asset for professionals who want to advance their career in cloud architecture and design.

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Success in the test of the AWS Certified Solutions Architect - Professional (AWS-Solutions-Architect-Professional) certification proves your technical knowledge and skills. The AWS-Solutions-Architect-Professional exam credential paves the way toward landing high-paying jobs or promotions in your organization. Many people who attempt the AWS Certified Solutions Architect - Professional (AWS-Solutions-Architect-Professional) exam questions don't find updated practice questions. Due to this they don't prepare as per the current AWS-Solutions-Architect-Professional examination content and fail the final test.

The AWS-Solutions-Architect-Professional exam is intended for professionals who have already completed the AWS-Solutions-Architect-Associate certification and have gained significant experience in designing and deploying AWS-based applications. AWS-Solutions-Architect-Professional Exam covers a wide range of topics, including high-availability and fault-tolerant systems, hybrid

cloud architectures, and security and compliance.

Amazon AWS Certified Solutions Architect - Professional Sample Questions (Q282-Q287):

NEW QUESTION # 282

A company has an IoT platform that runs in an on-premises environment. The platform consists of a server that connects to IoT devices by using the MQTT protocol. The platform collects telemetry data from the devices at least once every 5 minutes. The platform also stores device metadata in a MongoDB cluster. An application that is installed on an on-premises machine runs periodic jobs to aggregate and transform the telemetry and device metadata. The application creates reports that users view by using another web application that runs on the same on-premises machine. The periodic jobs take 120–600 seconds to run. However, the web application is always running.

The company is moving the platform to AWS and must reduce the operational overhead of the stack.

Which combination of steps will meet these requirements with the LEAST operational overhead? (Select THREE.)

- A. Use AWS Lambda functions to connect to the IoT devices
- B. Use an Amazon Elastic Kubernetes Service (Amazon EKS) cluster with Amazon EC2 instances to prepare the reports. Use an ingress controller in the EKS cluster to serve the reports
- C. Write the metadata to a self-managed MongoDB database on an Amazon EC2 instance
- **D. Use AWS Step Functions state machines with AWS Lambda tasks to prepare the reports and to write the reports to Amazon S3. Use Amazon CloudFront with an S3 origin to serve the reports.**
- **E. Write the metadata to Amazon DocumentDB (with MongoDB compatibility)**
- **F. Configure the IoT devices to publish to AWS IoT Core**

Answer: D,E,F

Explanation:

<https://aws.amazon.com/step-functions/use-cases/>

NEW QUESTION # 283

A company is adding a new approved external vendor that only supports IPv6 connectivity. The company's backend systems sit in the private subnet of an Amazon VPC. The company uses a NAT gateway to allow these systems to communicate with external vendors over IPv4. Company policy requires systems that communicate with external vendors use a security group that limits access to only approved external vendors. The virtual private cloud (VPC) uses the default network ACL.

The Systems Operator successfully assigns IPv6 addresses to each of the backend systems. The Systems Operator also updates the outbound security group to include the IPv6 CIDR of the external vendor (destination). The systems within the VPC are able to ping one another successfully over IPv6. However, these systems are unable to communicate with the external vendor.

What changes are required to enable communication with the external vendor?

- A. Create an IPv6 NAT instance. Add a route for destination 0.0.0.0/0 pointing to the NAT instance.
- B. Enable IPv6 on the NAT gateway. Add a route for destination ::0 pointing to the NAT gateway.
- **C. Create an egress-only internet gateway. Add a route for destination ::0 pointing to the gateway.**
- D. Enable IPv6 on the internet gateway. Add a route for destination 0.0.0.0/0 pointing to the IGW.

Answer: C

Explanation:

NAT gateways are not supported for IPv6 traffic—use an egress-only internet gateway instead.

<https://docs.aws.amazon.com/vpc/latest/userguide/egress-only-internet-gateway.html>

NEW QUESTION # 284

A company wants to improve the performance of their web application after receiving customer complaints.

An analysis concluded that the same complex database queries were causing increased latency.

What should a Solutions Architect recommend to improve the application's performance?

- A. Use a Lambda-triggered request to the backend database.
- B. Migrate the database to MySQL.
- **C. Integrate Amazon ElastiCache into the application.**

- D. Use Amazon RedShift to analyze the queries.

Answer: C

NEW QUESTION # 285

A Solutions Architect needs to configure scaling policies based on Amazon CloudWatch metrics for an Auto Scaling group. The application running on the instances is memory intensive. How can the Architect meet this requirement?

- A. Configuration lifecycle policies for the Amazon EC2 instances.
- B. Set up high-resolution alarms for the Auto Scaling group
- **C. Publish custom metrics to CloudWatch from the application.**
- D. Enable detailed monitoring on the Amazon EC2 instances.

Answer: C

Explanation:

Explanation/Reference:

Reference <https://medium.com/qbits/autoscaling-using-custom-metrics-5f977903bc45>

NEW QUESTION # 286

A company that is developing a mobile game is making game assets available in two AWS Regions. Game assets are served from a set of Amazon EC2 instances behind an Application Load Balancer (ALB) in each Region. The company requires game assets to be fetched from the closest Region. If game assets become unavailable in the closest Region, they should be fetched from the other Region.

What should a solutions architect do to meet these requirements?

- A. Create an Amazon Route 53 health check for each ALB. Create a Route 53 failover routing record pointing to the two ALBs. Set the Evaluate Target Health value to Yes.
- **B. Create an Amazon CloudFront distribution. Create an origin group with one origin for each ALB. Set one of the origins as primary.**
- C. Create two Amazon CloudFront distributions, each with one ALB as the origin. Create an Amazon Route 53 failover routing record pointing to the two CloudFront distributions. Set the Evaluate Target Health value to Yes.
- D. Create an Amazon Route 53 health check for each ALB. Create a Route 53 latency alias record pointing to the two ALBs. Set the Evaluate Target Health value to Yes.

Answer: B

Explanation:

To ensure that game assets are fetched from the closest region and have a fallback option in case the assets become unavailable in the closest region, a solution architect should leverage Amazon CloudFront, a global content delivery network (CDN) service. By creating an Amazon CloudFront distribution and setting up origin groups, the architect can specify multiple origins (in this case, the Application Load Balancers in each region).

The primary origin will serve content under normal circumstances, and if the content becomes unavailable, CloudFront will automatically switch to the secondary origin. This approach not only meets the requirement of regional proximity and redundancy but also optimizes latency and enhances the gaming experience by serving assets from the nearest geographical location to the end-user.

References: AWS Documentation on Amazon CloudFront and origin groups provides detailed instructions on setting up distributions with multiple origins for high availability and performance optimization. Additionally, AWS whitepapers and best practices on content delivery and global applications offer insights into effectively utilizing CloudFront and other AWS services to achieve low latency and high availability.

NEW QUESTION # 287

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