

DOP-C02 Pruefungssimulationen & DOP-C02 Deutsche



Übrigens, Sie können die vollständige Version der ZertPruefung DOP-C02 Prüfungsfragen aus dem Cloud-Speicher herunterladen: https://drive.google.com/open?id=1jMrE_tK2ArZPm6pwMqmxVJs7NszyKp

Die Amazon DOP-C02 Zertifizierungsprüfung ist sehr populär in IT-Industrie. Es spielt eine übergreifende Bedeutung für die Leute, die ihre Arbeitsstelle erhöhen wollen. Und es ist auch die Wahl, die Leute klar sehen können. Außerdem dadurch können Sie Ihre Fähigkeit verbessern und mehr verwendbare Technik beherrschen. Damit können Sie Ihre Arbeit besser fertigen und auch anderen Ihre Fähigkeit zeigen.

Um die Amazon DOP-C02-Prüfung abzulegen, müssen die Kandidaten ein gutes Verständnis für verschiedene DevOps-Praktiken und -Tools haben, einschließlich kontinuierlicher Integration, kontinuierlicher Bereitstellung, Automatisierung, Überwachung und Infrastruktur als Code. Sie sollten auch mit AWS-Diensten wie EC2, S3, RDS und CloudFormation vertraut sein und in der Lage sein, komplexe Systeme damit zu erstellen und bereitzustellen.

>> DOP-C02 Pruefungssimulationen <<

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Haben Sie keine gute Methode, Amazon DOP-C02 Zertifizierungsprüfungen vorzubereiten? Amazon DOP-C02 Zertifizierungsprüfung ist eine der bedeutendsten Zertifizierung bei IT-Zertifizierungen. Seit Jahren hat IT-Branchen die Aufmerksamkeit der ganzen Welt gewonnen. Und es wird auch ein unverzichtbarer Bestandteil des modernen Lebens. Und Amazon Zertifizierungen sind schon international anerkannt. Deshalb entwickeln viele IT-Fachleute ihre Kenntnisse und Fähigkeiten durch Amazon exam. Und DOP-C02 Zertifizierungsprüfung ist eine der wichtigsten Prüfung. Diese Zertifizierung kann Leuten größere Interessen bringen.

Die DOP-C02-Prüfung deckt eine breite Palette von Themen im Zusammenhang mit DevOps ab, einschließlich kontinuierlicher Integration und Lieferung, Infrastruktur als Code, Überwachung und Protokollierung, Sicherheit und Konformität sowie Automatisierung und Optimierung von AWS-Diensten. Um die Prüfung zu bestehen, müssen die Kandidaten ihre Fähigkeit demonstrieren, skalierbare, zuverlässige und sichere DevOps -Lösungen mit AWS -Technologien und Best Practices zu entwerfen und zu implementieren. Diese Zertifizierung wird von Arbeitgebern hoch geschätzt und kann DevOps -Profis helfen, ihre Karriere voranzutreiben und ihr Verdienstpotezial zu erhöhen.

Amazon AWS Certified DevOps Engineer - Professional DOP-C02 Prüfungsfragen mit Lösungen (Q40-Q45):

40. Frage

A company is implementing AWS CodePipeline to automate its testing process. The company wants to be notified when the

execution state fails and used the following custom event pattern in Amazon EventBridge:



Which type of events will match this event pattern?

- A. All rejected or failed approval actions across all the pipelines
- B. All the events across all pipelines
- C. Failed deploy and build actions across all the pipelines
- D. Approval actions across all the pipelines

Antwort: A

Begründung:

Action-level states in events

Action state Description

STARTED The action is currently running.

SUCCEEDED The action was completed successfully.

FAILED For Approval actions, the FAILED state means the action was either rejected by the reviewer or failed due to an incorrect action configuration.

CANCELED The action was canceled because the pipeline structure was updated.

41. Frage

A company uses a CI/CD pipeline to deploy its workload in the ap-southeast-2 Region. The company receives images through a Network Load Balancer (NLB) and processes the images in AWS Fargate tasks on an Amazon ECS cluster. An Amazon ECR repository stores the images as Docker images. The company uses Route 53 for DNS. The company saves the images in an S3 bucket and metadata in DynamoDB. The company wants to expand to eu-west-2 with high availability and resilience.

Which combination of steps will meet these requirements with the FEWEST configuration changes? (Select THREE).

- A. Configure the DynamoDB table as a global table with a replica in eu-west-2. Configure the Fargate tasks to interact with the DynamoDB table in the same Region that the tasks run in.
- B. Configure the DynamoDB table as a global table with a replica in eu-west-2. Configure the Fargate tasks to interact with the DynamoDB table in ap-southeast-2.
- C. Configure an S3 Multi-Region Access Point for the S3 bucket in ap-southeast-2 and a new S3 bucket in eu-west-2. Configure two-way replication on the S3 buckets. Configure the workloads to use the Multi-Region Access Point for S3 PUT and GET operations.
- D. Configure ECR replication to eu-west-2 on the repository. Configure an NLB in eu-west-2 that resolves to Fargate tasks in an ECS cluster in eu-west-2. Configure a latency routing policy in Route 53 for the two workloads.
- E. Configure the CI/CD pipeline to deploy ECR images to both Regions. Configure an NLB in eu-west-2 that resolves to Fargate tasks in an ECS cluster in eu-west-2. Configure a failover routing policy in Route 53 for the two workloads.
- F. Configure a new S3 bucket in eu-west-2. Configure data replication between the S3 bucket in ap-southeast-2 and the S3 bucket in eu-west-2. Configure the Fargate tasks to use the S3 bucket in the same Region that the tasks run in to perform S3 PUT and GET operations.

Antwort: A,D,F

Begründung:

* (A) Use ECR replication to keep images synchronized between Regions, minimizing CI/CD pipeline changes.

* (C) DynamoDB global tables allow multi-Region replication and provide local read/write access, so tasks should interact with the DynamoDB replica in their Region.

* (D) Use S3 cross-Region replication or separate buckets with replication; tasks access the bucket in the same Region for latency

and data sovereignty.

* (B) Using DynamoDB global table but pointing tasks to only one Region reduces resilience.

* (E) S3 Multi-Region Access Points are newer but add complexity and are not required for minimal changes.

* (F) Managing CI/CD pipeline for multiple Regions and failover routing adds complexity beyond minimal changes.

References:

Amazon ECR Cross-Region Replication

DynamoDB Global Tables

Amazon S3 Cross-Region Replication

42. Frage

A company has enabled all features for its organization in AWS Organizations. The organization contains 10 AWS accounts. The company has turned on AWS CloudTrail in all the accounts. The company expects the number of AWS accounts in the organization to increase to 500 during the next year. The company plans to use multiple OUs for these accounts.

The company has enabled AWS Config in each existing AWS account in the organization. A DevOps engineer must implement a solution that enables AWS Config automatically for all future AWS accounts that are created in the organization.

Which solution will meet this requirement?

- A. In the organization's management account, create an Amazon EventBridge rule that reacts to a CreateAccount API call. Configure the rule to invoke an AWS Systems Manager Automation runbook to enable AWS Config for the account.
- B. In the organization's management account, create an SCP that allows the appropriate AWS Config API calls to enable AWS Config. Apply the SCP to the root-level OU.
- C. In the organization's management account, create an Amazon EventBridge rule that reacts to a CreateAccount API call. Configure the rule to invoke an AWS Lambda function that enables trusted access to AWS Config for the organization.
- **D. In the organization's management account, create an AWS CloudFormation stack set to enable AWS Config. Configure the stack set to deploy automatically when an account is created through Organizations.**

Antwort: D

Begründung:

Explanation

<https://aws.amazon.com/about-aws/whats-new/2020/02/aws-cloudformation-stacksets-introduces-automatic-depl>

43. Frage

A company recently deployed its web application on AWS. The company is preparing for a large-scale sales event and must ensure that the web application can scale to meet the demand. The application's frontend infrastructure includes an Amazon CloudFront distribution that has an Amazon S3 bucket as an origin. The backend infrastructure includes an Amazon API Gateway API, several AWS Lambda functions, and an Amazon Aurora DB cluster. The company's DevOps engineer conducts a load test and identifies that the Lambda functions can fulfill the peak number of requests. However, the DevOps engineer notices request latency during the initial burst of requests. Most of the requests to the Lambda functions produce queries to the database. A large portion of the invocation time is used to establish database connections. Which combination of steps will provide the application with the required scalability? (Select TWO)

- A. Configure a higher reserved concurrency for the Lambda functions.
- B. Refactor the Lambda Functions. Move the code blocks that initialize database connections into the function handlers.
- **C. Configure a higher provisioned concurrency for the Lambda functions.**
- D. Convert the DB cluster to an Aurora global database. Add additional Aurora Replicas in AWS Regions based on the locations of the company's customers.
- **E. Use Amazon RDS Proxy to create a proxy for the Aurora database. Update the Lambda functions to use the proxy endpoints for database connections.**

Antwort: C,E

Begründung:

The correct answer is B and E. Configuring a higher provisioned concurrency for the Lambda functions will ensure that the functions are ready to respond to the initial burst of requests without any cold start latency.

Using Amazon RDS Proxy to create a proxy for the Aurora database will enable the Lambda functions to reuse existing database connections and reduce the overhead of establishing new ones. This will also improve the scalability and availability of the database by managing the connection pool size and handling failovers.

Option A is incorrect because reserved concurrency only limits the number of concurrent executions for a function, not pre-warms

them. Option C is incorrect because converting the DB cluster to an Aurora global database will not address the issue of database connection latency, and may introduce additional costs and complexity. Option D is incorrect because moving the code blocks that initialize database connections into the function handlers will not improve the performance or scalability of the Lambda functions, and may actually worsen the cold start latency. References:

- * AWS Lambda Provisioned Concurrency
- * Using Amazon RDS Proxy with AWS Lambda
- * Certified DevOps Engineer - Professional (DOP-C02) Study Guide (page 173)

44. Frage

A DevOps engineer has developed an AWS Lambda function. The Lambda function starts an AWS CloudFormation drift detection operation on all supported resources for a specific CloudFormation stack. The Lambda function then exits its invocation. The DevOps engineer has created an Amazon EventBridge scheduled rule that invokes the Lambda function every hour. An Amazon Simple Notification Service (Amazon SNS) topic already exists in the AWS account. The DevOps engineer has subscribed to the SNS topic to receive notifications. The DevOps engineer needs to receive a notification as soon as possible when drift is detected in this specific stack configuration. Which solution will meet these requirements?

- A. Create a second Lambda function to query the CloudFormation API for the drift detection results for the stack. Configure the second Lambda function to publish a message to the SNS topic. If drift is detected, adjust the existing EventBridge rule to also target the second Lambda function.
- **B. Configure AWS Config in the account. Use the cloudformation-stack-drift-detection-check managed rule. Create a second EventBridge rule that reacts to a compliance change event for the CloudFormation stack. Configure the SNS topic as a target of the second EventBridge rule.**
- C. Configure Amazon GuardDuty in the account with drift detection for all CloudFormation stacks. Create a second EventBridge rule that reacts to the GuardDuty drift detection event finding for the specific CloudFormation stack. Configure the SNS topic as a target of the second EventBridge rule.
- D. Configure the existing EventBridge rule to also target the SNS topic. Configure an SNS subscription filter policy to match the CloudFormation stack. Attach the subscription filter policy to the SNS topic.

Antwort: B

Begründung:

A comprehensive and detailed explanation is:

Option A is incorrect because EventBridge rules cannot filter events based on the message body or attributes of the target service. Therefore, configuring an SNS subscription filter policy to match the CloudFormation stack will not work. The SNS topic will receive all events from the EventBridge rule, regardless of the stack name or drift status.

Option B is incorrect because it introduces unnecessary complexity and cost. Creating a second Lambda function to query the CloudFormation API for the drift detection results is redundant, since CloudFormation already publishes drift detection events to EventBridge. Moreover, invoking two Lambda functions every hour will incur more charges than invoking one.

Option C is incorrect because GuardDuty does not provide drift detection for CloudFormation stacks. GuardDuty is a threat detection service that monitors for malicious activity and unauthorized behavior in AWS accounts and workloads. It does not monitor or report on configuration changes or drifts in CloudFormation stacks.

Option D is correct because it leverages AWS Config and its managed rule for drift detection. AWS Config is a service that enables you to assess, audit, and evaluate the configurations of your AWS resources. It can detect configuration changes and drifts in CloudFormation stacks using the cloudformation-stack-drift-detection-check managed rule. This rule triggers an AWS Config event when a stack drifts from its expected template configuration. By creating a second EventBridge rule that reacts to this event for the specific stack, the DevOps engineer can configure the SNS topic as a target and receive a notification as soon as possible when drift is detected.

References:

AWS Config

Amazon SNS subscription filter policies

Amazon EventBridge rules

45. Frage

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