DOP-C02 Prüfungsübungen, DOP-C02 Tests

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Zweifellos braucht die Vorbereitung der Amazon DOP-C02 Prüfung große Mühe. Aber diese Zertifizierungsprüfung zu bestehen bedeutet, dass Sie in IT-Gewerbe bessere Berufsperspektive besitzen. Deshalb was wir für Sie tun können ist, lassen Ihre Anstrengungen nicht umsonst geben. Die Wirkung und die Autorität der Amazon DOP-C02 Prüfungssoftware erwerbt die Anerkennung vieler Kunden. Solange Sie die demo kostenlos downloaden und probieren, können Sie es empfinden. Wir wollen Ihnen mit allen Kräften helfen, Die Amazon DOP-C02 zu bestehen!

Der AWS Certified DevOps Engineer - Professional (DOP -C02) -Zertifizierungsprüfung ist für IT -Fachleute ausgelegt, die in einer DevOps -Umgebung arbeiten und Erfahrung mit AWS -Diensten für die kontinuierliche Integration und Lieferung haben. Diese Zertifizierung bestätigt unter anderem das Wissen und die Fähigkeiten des Kandidaten in Bereichen wie Automatisierung, Überwachung und Sicherheitspraktiken.

>> DOP-C02 Prüfungsübungen <<

DOP-C02 Tests, DOP-C02 Zertifizierungsprüfung

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Amazon AWS Certified DevOps Engineer - Professional DOP-C02

Prüfungsfragen mit Lösungen (Q298-Q303):

298. Frage
A company has chosen AWS to host a new application. The company needs to implement a multi-account strategy. A DevOps engineer creates a new AWS account and an organization in AWS Organizations. The DevOps engineer also creates the OU structure for the organization and sets up a landing zone by using AWS Control Tower.
The DevOps engineer must implement a solution that automatically deploys resources for new accounts that users create through AWS Control Tower Account Factory. When a user creates a new account, the solution must apply AWS CloudFormation templates and SCPs that are customized for the OU or the account to automatically deploy all the resources that are attached to the account. All the OUs are enrolled in AWS Control Tower.
Which solution will meet these requirements in the MOST automated way?

- A. Create an Amazon EventBridge rule to detect the CreateManagedAccount event. Configure AWS Service Catalog as the target to deploy resources to any new accounts. Deploy SCPs by using the AWS CLI and JSON documents.
- B. Use AWS Service Catalog with AWS Control Tower. Create portfolios and products in AWS Service Catalog. Grant granular permissions to provision these resources. Deploy SCPs by using the AWS CLI and JSON documents.
- C. Deploy CloudFormation stack sets by using the required templates. Enable automatic deployment. Deploy stack instances to the required accounts. Deploy a CloudFormation stack set to the organization's management account to deploy SCPs.
- D. Deploy the Customizations for AWS Control Tower (CfCT) solution. Use an AWS CodeCommit repository as the source. In the repository, create a custom package that includes the CloudFormation templates and the SCP JSON documents.

Antwort: D

Begründung:
The CfCT solution is designed for the exact purpose stated in the question. It extends the capabilities of AWS Control Tower by providing you with a way to automate resource provisioning and apply custom configurations across all AWS accounts created in the Control Tower environment. This enables the company to implement additional account customizations when new accounts are provisioned via the Control Tower Account Factory. The CloudFormation templates and SCPs can be added to a CodeCommit repository and will be automatically deployed to new accounts when they are created. This provides a highly automated solution that does not require manual intervention to deploy resources and SCPs to new accounts.

299. Frage
A company has a fleet of Amazon EC2 instances that run Linux in a single AWS account. The company is using an AWS Systems Manager Automation task across the EC2 instances.
During the most recent patch cycle, several EC2 instances went into an error state because of insufficient available disk space. A DevOps engineer needs to ensure that the EC2 instances have sufficient available disk space during the patching process in the future.
Which combination of steps will meet these requirements? {Select TWO.)

- A. Create an AWS Lambda function to periodically check for sufficient available disk space on all EC2 instances by evaluating each EC2 instance's respective Amazon CloudWatch log stream.
- B. Ensure that the Amazon CloudWatch agent is installed on all EC2 instances
- C. Create a cron job that is installed on each EC2 instance to periodically delete temporary files.
- D. Create an Amazon CloudWatch alarm to monitor available disk space on all EC2 instances Add the alarm as a safety control to the Systems Manager Automation task.
- E. Create an Amazon CloudWatch log group for the EC2 instances. Configure a cron job that is installed on each EC2 instance to write the available disk space to a CloudWatch log stream for the relevant EC2 instance.

Antwort: B,D

Begründung:
* Ensure that the Amazon CloudWatch agent is installed on all EC2 instances:
The Amazon CloudWatch agent collects and logs metrics and sends them to Amazon CloudWatch.
To install the CloudWatch agent:
Download the CloudWatch agent package.
Install the agent on your EC2 instances.
Configure the agent to collect disk space metrics.
* Create an Amazon CloudWatch alarm to monitor available disk space on all EC2 instances Add the alarm as a safety control to the Systems Manager Automation task:

Create CloudWatch alarms to monitor the available disk space and trigger notifications or actions when the disk space falls below a defined threshold.
Add the CloudWatch alarm to the Systems Manager Automation task to halt or fail the task if disk space is insufficient.
To create the alarm:
Navigate to the CloudWatch console and create a new alarm.
Set the metric to monitor (e.g., disk space utilization).
Define the threshold and notification actions.
Reference:
Amazon CloudWatch agent
Creating Amazon CloudWatch alarms

300. Frage
A company needs to increase the security of the container images that run in its production environment. The company wants to integrate operating system scanning and programming language package vulnerability scanning for the containers in its CI/CD pipeline. The CI/CD pipeline is an AWS CodePipeline pipeline that includes an AWS CodeBuild project, AWS CodeDeploy actions, and an Amazon Elastic Container Registry (Amazon ECR) repository.
A DevOps engineer needs to add an image scan to the CI/CD pipeline. The CI/CD pipeline must deploy only images without CRITICAL and HIGH findings into production.
Which combination of steps will meet these requirements? (Select TWO.)

- A. Use Amazon ECR basic scanning.
- B. Configure Amazon ECR to submit a Rejected status to the CI/CD pipeline when the image scan returns CRITICAL or HIGH findings.
- C. Configure an Amazon EventBridge rule to invoke an AWS Lambda function when the image scan is completed. Configure the Lambda function to consume the Amazon Inspector scan status and to submit an Approved or Rejected status to the CI/CD pipeline.
- D. Use Amazon ECR enhanced scanning.
- E. Configure an Amazon EventBridge rule to invoke an AWS Lambda function when the image scan is completed. Configure the Lambda function to consume the Clair scan status and to submit an Approved or Rejected status to the CI/CD pipeline.

Antwort: C,D

Begründung:
Comprehensive and Detailed Explanation From Exact Extract:
Amazon ECR supportsenhanced scanningpowered by Amazon Inspector, which provides deeper security scanning for container images including OS and programming language package vulnerabilities.
* Enabling enhanced scanning (Option B) allows detection of CRITICAL and HIGH vulnerabilities.
* Amazon ECR emits scan completion events via EventBridge, which can trigger Lambda functions. The Lambda function can process the scan results fromAmazon Inspectorand programmatically approve or reject the image in the CI/CD pipeline (Option D).
* Basic scanning (Option A) is limited and does not integrate with Inspector.
* Options C and E describe functionalities not natively supported (ECR does not automatically submit Rejected status; Clair is not used in AWS ECR scanning).
Reference:
Amazon ECR Enhanced Scanning:"Enhanced scanning powered by Amazon Inspector identifies vulnerabilities in container images." (Amazon ECR Image Scanning) Using EventBridge and Lambda for Scan Status:"ECR emits scan events that can be used to trigger Lambda functions for custom approval workflows."(Amazon ECR Scan EventBridge)

301. Frage
A DevOps engineer needs to install antivirus software on all Amazon EC2 instances in an AWS account. The EC2 instances run the most recent Amazon Linux version. The solution must detect all instances and use an AWS Systems Manager document to install the software if missing.
Which solution will meet these requirements?

- A. Use EventBridge to detect EC2 RunInstances events and trigger SSM automation.
- B. Create an association in Systems Manager State Manager targeting all managed nodes. Include the software and Systems Manager document.
- C. Use Amazon Inspector to detect missing software and associate with Systems Manager automation.
- D. Use AWS Config with a custom rule to check for antivirus installation. Configure automatic remediation using the Systems

Manager document.

Antwort: D

Begründung:
AWS Config can monitor compliance by checking EC2 software inventory. Custom Config rules can automatically trigger Systems Manager Automation documents as remediation actions when noncompliant (software missing). This meets policy enforcement goals with automation.

302. Frage
A company uses AWS and has a VPC that contains critical compute infrastructure with predictable traffic patterns. The company has configured VPC flow logs that are published to a log group in Amazon CloudWatch Logs.
The company's DevOps team needs to configure a monitoring solution for the VPC flow logs to identify anomalies in network traffic to the VPC over time. If the monitoring solution detects an anomaly, the company needs the ability to initiate a response to the anomaly.
How should the DevOps team configure the monitoring solution to meet these requirements?

- A. Create an AWS Lambda function to detect anomalies. Configure the Lambda function to publish an event to the default Amazon EventBridge event bus if the Lambda function detects an anomaly.
  Subscribe the Lambda function to the log group.
- B. Create an Amazon Kinesis Data Firehose delivery stream that delivers events to an Amazon S3 bucket.
  Subscribe the log group to the delivery stream. Configure Amazon Lookout for Metrics to monitor the data in the S3 bucket for anomalies. Create an AWS Lambda function to run in response to Lookout for Metrics anomaly findings. Configure the Lambda function to publish to the default Amazon EventBridge event bus.
- C. Create an Amazon Kinesis data stream. Subscribe the log group to the data stream. Create an AWS Lambda function to detect log anomalies. Configure the Lambda function to write to the default Amazon EventBridge event bus if the Lambda function detects an anomaly. Set the Lambda function as the processor for the data stream.
- D. Create an Amazon Kinesis data stream. Subscribe the log group to the data stream. Configure Amazon Kinesis Data Analytics to detect log anomalies in the data stream. Create an AWS Lambda function to use as the output of the data stream. Configure the Lambda function to write to the default Amazon EventBridge event bus in the event of an anomaly finding.

Antwort: C

Begründung:
Explanation
To meet the requirements, the DevOps team needs to configure a monitoring solution for the VPC flow logs that can detect anomalies in network traffic over time and initiate a response to the anomaly. The DevOps team can use Amazon Kinesis Data Streams to ingest and process streaming data from CloudWatch Logs. The DevOps team can subscribe the log group to a Kinesis data stream, which will deliver log events from CloudWatch Logs to Kinesis Data Streams in near real-time. The DevOps team can then create an AWS Lambda function to detect log anomalies using machine learning or statistical methods. The Lambda function can be set as a processor for the data stream, which means that it will process each record from the stream before sending it to downstream applications or destinations. The Lambda function can also write to the default Amazon EventBridge event bus if it detects an anomaly, which will allow other AWS services or custom applications to respond to the anomaly event.

303. Frage
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