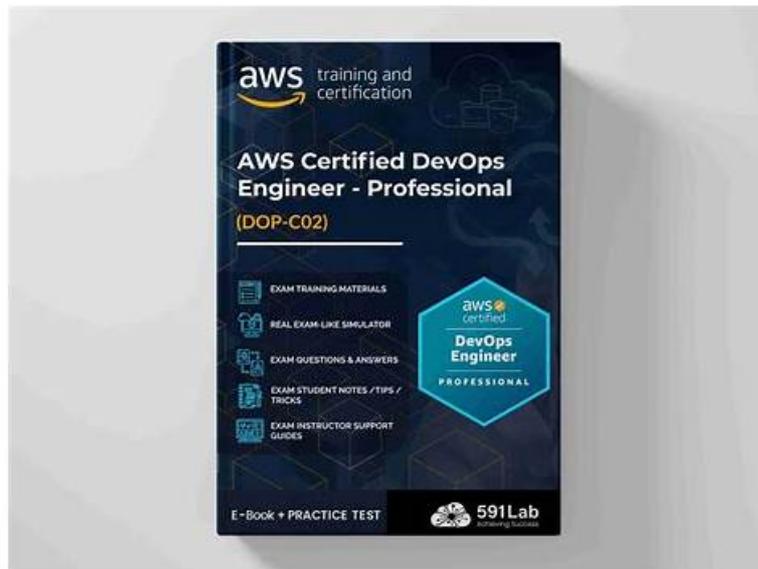


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Im ITZert können Sie kostenlos einen Teil der DOP-C02 Prüfungsfragen und Antworten zur Amazon DOP-C02 Zertifizierungsprüfung herunterladen, so dass Sie die Glaubwürdigkeit unserer Produkte testen können. Mit unseren Produkten können Sie 100% Erfolg erlangen und der Spitze in der IT-Branche einen Schritt weit nähern

Die Amazon DOP-C02 (AWS Certified DevOps Engineer-Professional) -Zertifizierungsprüfung ist eine begehrte Zertifizierung für diejenigen, die sich auf dem Gebiet von DevOps Engineering etablieren möchten. Diese Zertifizierung soll die Fähigkeiten und Kenntnisse testen, die für Fachkräfte erforderlich sind, um verteilte Anwendungssysteme mithilfe von AWS -Tools und -Diensten zu verwalten und zu betreiben.

>> DOP-C02 Vorbereitungsfragen <<

Amazon DOP-C02 Originale Fragen & DOP-C02 Fragen Und Antworten

Sind Sie einer von den vielen? Machen Sie sich noch Sorgen wegen den zahlreichen Kurse und Materialien zur Amazon DOP-C02 Zertifizierungsprüfung? ITZert ist Ihnen eine weise Wahl, denn wir Ihnen die umfassendsten Prüfungsmaterialien bieten, die Fragen und Antworten und ausführliche Erklärungen beinhalten. Alle diesen werden Ihnen helfen, die Fachkenntnisse zu beherrschen. Wir sind selbstsicher, dass Sie die Amazon DOP-C02 Zertifizierungsprüfung bestehen. Das ist unser Versprechen an den Kunden.

Die Prüfung deckt eine breite Palette von Themen ab, einschließlich der Bereitstellung und Verwaltung von Infrastrukturen mit AWS-Diensten wie EC2, RDS und elastischer Beanstalk, Entwerfen und Implementieren skalierbarer, fehlertoleranter Systeme sowie die Implementierung und Verwaltung der kontinuierlichen Integration und kontinuierlichen Lieferpipelines mithilfe von Tools wie Codepipeline und codedeploy. Kandidaten werden auch auf ihre Fähigkeit getestet, Anwendungen und Infrastrukturen mithilfe von AWS -Tools wie CloudWatch und CloudTrail zu überwachen und zu beheben.

Amazon AWS Certified DevOps Engineer - Professional DOP-C02 Prüfungsfragen mit Lösungen (Q113-Q118):

113. Frage

A company hosts a security auditing application in an AWS account. The auditing application uses an IAM role to access other AWS accounts. All the accounts are in the same organization in AWS Organizations.

A recent security audit revealed that users in the audited AWS accounts could modify or delete the auditing application's IAM role. The company needs to prevent any modification to the auditing application's IAM role by any entity other than a trusted

administrator IAM role.

Which solution will meet these requirements?

- A. Create an SCP that includes an Allow statement for changes to the auditing application's IAM role by the trusted administrator IAM role. Include a Deny statement for changes by all other IAM principals. Attach the SCP to the IAM service in each AWS account where the auditing application has an IAM role.
- **B. Create an SCP that includes a Deny statement for changes to the auditing application's IAM role. Include a condition that allows the trusted administrator IAM role to make changes. Attach the SCP to the root of the organization.**
- C. Create an IAM permissions boundary that includes a Deny statement for changes to the auditing application's IAM role. Include a condition that allows the trusted administrator IAM role to make changes. Attach the permissions boundary to the auditing application's IAM role in the AWS accounts.
- D. Create an IAM permissions boundary that includes a Deny statement for changes to the auditing application's IAM role. Include a condition that allows the trusted administrator IAM role to make changes. Attach the permissions boundary to the audited AWS accounts.

Antwort: B

Begründung:

https://docs.aws.amazon.com/organizations/latest/userguide/orgs_manage_policies_scps.html?icmpid=docs_orgs_console

114. Frage

A company's application runs on Amazon EC2 instances. The application writes to a log file that records the username, date, time: and source IP address of the login. The log is published to a log group in Amazon CloudWatch Logs. The company is performing a root cause analysis for an event that occurred on the previous day. The company needs to know the number of logins for a specific user from the past 7 days. Which solution will provide this information?

- A. Create a CloudWatch Logs subscription on the log group. Use a filter pattern that matches the username. Publish a CloudWatch metric that sums the number of logins over the past 7 days.
- B. Create a CloudWatch Logs metric filter on the log group. Use a filter pattern that matches the username. Publish a CloudWatch metric that sums the number of logins over the past 7 days.
- **C. Create a CloudWatch Logs Insights query that uses an aggregation function to count the number of logins for the username over the past 7 days. Run the query against the log group.**
- D. Create a CloudWatch dashboard. Add a number widget that has a filter pattern that counts the number of logins for the username over the past 7 days directly from the log group.

Antwort: C

Begründung:

To analyze and find the number of logins for a specific user from the past 7 days, a CloudWatch Logs Insights query is the most suitable solution. CloudWatch Logs Insights enables you to interactively search and analyze your log data in Amazon CloudWatch Logs. You can use the query language to perform queries that contain multiple commands, including aggregation functions, which can count the occurrences of logins for a specific username over a specified time period. This approach is more direct and efficient than creating a metric filter or subscription, which would require additional steps to publish and sum a metric. References: AWS Certified DevOps Engineer - Professional, CloudWatch Logs Insights query syntax, Tutorial: Run a query with an aggregation function, Add or remove a number widget from a CloudWatch dashboard.

115. Frage

A company is using an organization in AWS Organizations to manage multiple AWS accounts. The company's development team wants to use AWS Lambda functions to meet resiliency requirements and is rewriting all applications to work with Lambda functions that are deployed in a VPC. The development team is using Amazon Elastic File System (Amazon EFS) as shared storage in Account A in the organization.

The company wants to continue to use Amazon EFS with Lambda. Company policy requires all serverless projects to be deployed in Account B.

A DevOps engineer needs to reconfigure an existing EFS file system to allow Lambda functions to access the data through an existing EFS access point.

Which combination of steps should the DevOps engineer take to meet these requirements? (Select THREE.)

- **A. Create a VPC peering connection to connect Account A to Account B.**
- B. Update the Lambda execution roles with permission to access the VPC and the EFS file system.

- C. Configure the Lambda functions in Account B to assume an existing IAM role in Account A.
- D. Update the EFS file system policy to provide Account B with access to mount and write to the EFS file system in Account A.
- E. Create SCPs to set permission guardrails with fine-grained control for Amazon EFS.
- F. Create a new EFS file system in Account B Use AWS Database Migration Service (AWS DMS) to keep data from Account A and Account B synchronized.

Antwort: A,C,D

Begründung:

A Lambda function in one account can mount a file system in a different account. For this scenario, you configure VPC peering between the function VPC and the file system VPC. <https://docs.aws.amazon.com/lambda/latest/dg/services-efs.html>
<https://aws.amazon.com/ru/blogs/storage/mount-amazon-efs-file-systems-cross-account-from-amazon-eks/>

1. Need to update the file system policy on EFS to allow mounting the file system into Account B.

File System Policy

\$ cat file-system-policy.json

```
{
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "elasticfilesystem:ClientMount",
        "elasticfilesystem:ClientWrite"
      ],
      "Principal": {
        "AWS": "arn:aws:iam:<aws-account-id-A>:root" # Replace with AWS account ID of EKS cluster
      }
    }
  ]
}
```

2. Need VPC peering between Account A and Account B as the pre-requisite

3. Need to assume cross-account IAM role to describe the mounts so that a specific mount can be chosen.

116. Frage

A company has a file-reading application that saves files to a database running on Amazon EC2 instances.

Regulations require daily file deletions from EC2 instances and deletion of database records older than 60 days. Database record deletion must occur after file deletion. The company needs email notifications for any deletion script failures.

Which solution will meet these requirements with the LEAST development effort?

- A. Use AWS Systems Manager State Manager to automatically invoke an Automation document at the specified time daily. Configure the Automation document to run deletion scripts sequentially via run command. Create an EventBridge rule to send failure notifications to Amazon SNS.
- B. Create an EventBridge rule to invoke a Lambda function at the specified time. Configure the Lambda function to run deletion scripts sequentially and send failure notifications via SES.
- C. Create an EventBridge rule to invoke a Lambda function at the specified time. Configure the Lambda function to run deletion scripts sequentially and send failure notifications via SNS.
- D. Use AWS Systems Manager State Manager to automatically invoke an Automation document at the specified time daily. Configure the Automation document to run deletion scripts sequentially. Add a conditional check for errors as the last step and send failure notifications via Amazon SES.

Antwort: A

Begründung:

* Systems Manager State Manager with Automation documents allows running scripts sequentially and reliably with built-in retry and status tracking.

* Using EventBridge with SNS for notifications leverages managed services with minimal custom development.

* Using SES (Options B, D) requires more setup and custom logic for email formatting and sending.

* Lambda (Options C, D) can run scripts but might have limitations on execution time and complexity compared to Systems Manager Automation.

References:

117. Frage

A DevOps engineer needs to implement a CI/CD pipeline that uses AWS CodeBuild to run a test suite. The test suite contains many test cases and takes a long time to finish running. The DevOps engineer wants to reduce the duration to run the tests. However, the DevOps engineer still wants to generate a single test report for all the test cases.

Which solution will meet these requirements?

- A. Run the test suite in a batch build type of build fanout by using the codebuild-tests-run command.
- B. Run the test suite in a batch build type of build matrix by using the codebuild-tests-run command.
- C. Run the test suite in a batch build type of build list by using different subsets of the test cases.
- D. Run the test suite in a batch build type of build graph by using different subsets of the test cases.

Antwort: A

Begründung:

The "fan-out" batch build type in AWS CodeBuild allows running multiple builds in parallel for different subsets of tests, reducing overall test execution time. CodeBuild then aggregates the results into a single consolidated report. This approach is detailed in the AWS documentation under "Batch builds and parallel execution with CodeBuild."

118. Frage

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