

DOP-C01 Musterprüfungsfragen & DOP-C01 Prüfungsmaterialien

DOP-C01_51-100

85	A healthcare services company is concerned about the growing costs of software licensing for an application for managing patient records. The company wants to create an audit process to ensure that the application is running exclusively on Amazon EC2 Dedicated Instances. A DevOps Engineer must create a solution to audit the application to ensure compliance. What steps should the Engineer take to meet this requirement with the LEAST administrative overhead?	(A) Use AWS Systems Manager Configuration Compliance. Use tags to tie the compliance items API action to IAM and build a database of noncompliant EC2 instances based on their host placement configuration. Use an Amazon DynamoDB table to store these instance IDs for host access. Generate a report through Systems Manager by calling the <code>list-compliance</code> subcommand API action. (B) Use Custom Java code running on an EC2 instance. Set up EC2 auto scaling for the instance depending on the number of instances to be checked. Send the list of noncompliant EC2 instance IDs to an Amazon SQS queue. Set up another custom instance to process instance IDs from the SQS queue and send them to an Amazon SNS email topic for distribution. (C) Use AWS CloudWatch. Identify all EC2 instances to be audited by creating CloudWatch. Associate an AWS Lambda function to the region. Create a custom AWS CloudWatch rule that triggers an AWS Lambda function by using the <code>CloudWatchChangeDetector</code> dimension. Modify the <code>lambda-event-compliance-1</code> function to verify host placement to return a <code>NOT_COMPLIANT</code> result if the instance is not running on an EC2 Dedicated host. Use the AWS CloudWatch <code>putMetricData</code> API action to record noncompliant instances. (D) Use AWS CloudWatch. Identify all EC2 instances to be audited by creating an IAM role to the EC2 <code>PutMetricData</code> API action. Invoke an AWS Lambda function that executes the host placement of the instance. Store the EC2 instance ID of noncompliant resources in an Amazon RDS MySQL DB instance. Generate a report by querying the RDS instance and exporting the query results to a CSV service. 100% (1/1) Right! 0/0 A will only help it compliance to audit your fleet of managed resources for patch compliance and configuration misconfigurations, but often it comes to software licensing compliance and config rules makes you to access compliance with your own source software licenses.
82	A DevOps Engineer manages a large commercial website that runs on Amazon EC2. The website uses Amazon ElastiCache Redis to cache and process user logs. The Engineer manages the Redis consumer application, which also runs on EC2. Spikes of data cause the Redis consumer application to be slowed, and the primary logs records before they can be processed. What is the FASTEST method to improve system handling?	(A) Modify the Redis consumer application to store the logs directly in Amazon S3. Use Amazon EMR to process the data directly on S3 to derive customer insights and store the results in S3. (B) Automatically scale the Redis consumer application by adding more EC2 instances based on the <code>CacheHitMissRatio</code> Amazon CloudWatch metric. Increase the Redis Data Streams retention period. (C) Convert the Redis consumer application to run as an AWS Lambda function. Configure the Redis Data Streams as the event source for the Lambda function to process the data streams. (D) Increase the number of shards in the Redis Data Streams to increase the overall throughput so that the consumer processes data faster. 100% (1/1) Right! 0/0 The problem is at application Consumer, not the Redis Data Stream itself. So increase the shard won't help, but increase the retention can make the Redis keeps the data longer before discarding it.
83	A DevOps Engineer is moved with moving a mission-critical business application running in AWS to AWS. The development team running the application is understaffed and needs a solution that allows the team to focus on application development. They also want to ensure lightweight deployments and perform A/B testing. Which solution can meet these requirements?	(A) Deploy the application on an Amazon EC2 instance and create an AWS IoT instance. Use the AWS IoT to create an automatic scaling group configuration that is used in an Auto Scaling group. Use an Elastic Load Balancing to distribute traffic. When changes are made to the application, a new AWS IoT is created and receives the Auto Scaling configuration. (B) Use Amazon Lightsail to deploy the application. Store the application in a S3 bucket. Use the S3 bucket version to deploy new versions of the application to Lightsail. Use Lightsail deployment options to manage the deployment. (C) Use AWS CodePipeline with AWS CodeDeploy to deploy the application to a fleet of Amazon EC2 instances. Use an Elastic Load Balancing to distribute the traffic to the EC2 instances. When making changes to the application, update a new version to CodePipeline and use it to deploy the new version. (D) Use AWS Elastic Beanstalk to host the application. Store a new version of the application in Amazon S3 and use the solution to deploy new versions of the application using Elastic Beanstalk to manage the deployment options. 100% (1/1) Right! 0/0 B

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Die AWS Certified DevOps Engineer - Professional Zertifizierung wird in der Industrie sehr geschätzt und gilt als Kennzeichen für Fachwissen in DevOps-Praktiken und AWS-Services. Diese Zertifizierung kann Fachleuten helfen, ihre Karriere voranzutreiben und neue Möglichkeiten für Wachstum und Entwicklung zu eröffnen. Sie kann auch dazu beitragen, dass Organisationen sicherstellen, dass ihre DevOps-Prozesse den AWS-Best Practices entsprechen und von qualifizierten Fachleuten umgesetzt werden.

Die AWS Certified DevOps Engineer - Professional (DOP -C01) -Zertifizierungsprüfung soll das Know-how des Kandidaten beim Bereitstellen, Verwalten und Betrieb von Anwendungen auf der AWS -Plattform unter Verwendung von DevOps -Prinzipien und -Praktiken testen. Diese Zertifizierung richtet sich an erfahrene DevOps-Ingenieure, die ein tiefes Verständnis der AWS-Plattform haben und praktische Erfahrungen beim Bereitstellen und Verwalten von Anwendungen auf AWS haben.

>>> DOP-C01 Musterprüfungsfragen <<<

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Amazon Web Services (AWS) ist eine der führenden Cloud -Computing -Plattformen der Welt und bietet Unternehmen aller Größen eine breite Palette von Cloud -Diensten. Um IT -Fachleuten zu helfen, ihre Expertise in AWS DevOps zu demonstrieren, bietet AWS den AWS -zertifizierten DevOps -Ingenieur - Professional (DOP -C01) -Prüfung an. Diese Zertifizierung wurde entwickelt, um die Fähigkeiten einer Person bei der Entwicklung und Bereitstellung von Anwendungen auf AWS sowie deren Fähigkeit zur Automatisierung und Verwaltung von Infrastrukturen zu validieren.

Amazon AWS Certified DevOps Engineer - Professional DOP-C01 Prüfungsfragen mit Lösungen (Q388-Q393):

388. Frage

A DevOps Engineer uses Docker container technology to build an image-analysis application. The application often sees spikes in traffic. The Engineer must automatically scale the application in response to customer demand while maintaining cost effectiveness and minimizing any impact on availability.

What will allow the FASTEST response to spikes in traffic while fulfilling the other requirements?

- A. Create an Amazon ECS cluster with the container instances in an Auto Scaling group. Configure the ECS service to use Service Auto Scaling. Set up Amazon CloudWatch alarms to scale the ECS service and cluster.
- B. Create an Amazon ECS cluster using Spot instances. Configure the ECS service to use Service Auto Scaling. Set up Amazon CloudWatch alarms to scale the ECS service and cluster.
- C. Deploy containers on an AWS Elastic Beanstalk Multicontainer Docker environment. Configure Elastic Beanstalk to automatically scale the environment based on Amazon CloudWatch metrics.
- **D. Deploy containers on Amazon EC2 instances. Deploy a container scheduler to schedule containers onto EC2 instances. Configure EC2 Auto Scaling for EC2 instances based on available Amazon CloudWatch metrics.**

Antwort: D

389. Frage

What is the scope of an EC2 EIP?

- A. VPC
- B. Placement Group
- **C. Region**
- D. Availability Zone

Antwort: C

Begründung:

An Elastic IP address is tied to a region and can be associated only with an instance in the same region.

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/resources.html>

390. Frage

A company is beginning to move to the AWS Cloud. Internal customers are classified into two groups according to their AWS skills: beginners and experts.

The DevOps Engineer needs to build a solution to allow beginners to deploy a restricted set of AWS architecture blueprints expressed as AWS CloudFormation templates. Deployment should only be possible on predetermined Virtual Private Clouds (VPCs). However, expert users should be able to deploy blueprints without constraints. Experts should also be able to access other AWS services, as needed.

How can the Engineer implement a solution to meet these requirements with the LEAST amount of overhead?

- A. Create two templates for each architecture blueprint where only one of them limits the VPC available for deployments. Store the templates in Amazon DynamoDB. Create an IAM group for beginners giving them access to the constrained

templates and CloudFormation. Create a separate group for experts giving them access to the unconstrained templates, CloudFormation, and other AWS services.

- B. Store the templates on Amazon S3. Use AWS Service Catalog to create a portfolio of products based on those templates. Create an IAM role restricting VPCs available for creation of AWS resources. Apply a launch constraint to the products using this role. Create an IAM group for beginners giving them access to the portfolio. Create a separate group for experts giving them access to the portfolio and other AWS services.
- C. Store the templates on Amazon S3. Use AWS Service Catalog to create a portfolio of products based on those templates. Apply template constraints to the products with rules limiting VPCs available for deployments. Create an IAM group for beginners giving them access to the portfolio. Create a separate group for experts giving them access to the templates, CloudFormation, and other AWS services.
- D. Apply constraints to the parameters in the templates, limiting the VPCs available for deployments. Store the templates on Amazon S3. Create an IAM group for beginners and give them access to the templates and CloudFormation. Create a separate group for experts, giving them access to the templates, CloudFormation, and other AWS services.

Antwort: C

391. Frage

You have an Auto Scaling group with 2 AZs. One AZ has 4 EC2 instances and the other has 3 EC2 instances.

None of the instances are protected from scale in. Based on the default Auto Scaling termination policy what will happen?

- A. Auto Scaling will terminate unprotected instances in the Availability Zone with the oldest launch configuration.
- B. Auto Scaling will select the AZ with 4 EC2 instances and terminate an instance.
- C. Auto Scaling terminates which unprotected instances are closest to the next billing hour.
- D. Auto Scaling selects an instance to terminate randomly

Antwort: B

Begründung:

Explanation

The default termination policy is designed to help ensure that your network architecture spans Availability Zones evenly. When using the default termination policy.

Auto Scaling selects an instance to terminate as follows:

Auto Scaling determines whether there are instances in multiple Availability Zones. If so, it selects the Availability Zone with the most instances and at least one instance that is not protected from scale in. If there is more than one Availability Zone with this number of instances. Auto Scaling selects the Availability Zone with the instances that use the oldest launch configuration. For more information on Autoscaling instance termination please refer to the below link:

* <http://docs.aws.amazon.com/autoscaling/latest/userguide/as-instance-termination.html>

392. Frage

Your company has a number of Cloudformation stacks defined in AWS. As part of the routine housekeeping activity, a number of stacks have been targeted for deletion. But a few of the stacks are not getting deleted and are failing when you are trying to delete them. Which of the following could be valid reasons for this? Choose

2 answers from the options given below

- A. Thestack has a EC2 Security Group which has EC2 Instances attached to it.
- B. Thestack consists of an EC2 resource which was created with a custom AMI.
- C. Thestacks were created with the wrong template version. Since the standardtemplate version is now higher, it is preventing the deletion of the stacks. You need to contact AWS support.
- D. Thestack has an S3 bucket defined which has objects present in it.

Antwort: A,D

Begründung:

Explanation

The AWS documentation mentions the below point

Some resources must be empty before they can be deleted. For example, you must delete all objects in an Amazon S3 bucket or remove all instances in an Amazon EC2 security group before you can delete the bucket or security group. For more information on troubleshooting cloudformation stacks, please visit the below URL:

* <http://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/troubleshooting.html>

393. Frage

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