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The AWS Certified DevOps Engineer - Professional exam covers a wide range of topics, including continuous delivery and automation, monitoring and logging, security and compliance, infrastructure as code, and collaboration and communication. AWS-DevOps exam includes multiple-choice and multiple-response questions, and candidates have three hours to complete it. Passing AWS-DevOps Exam requires a deep understanding of AWS services, DevOps practices, and experience in implementing and managing them in complex environments.

>> Amazon AWS-DevOps Practice Exam <<

# 2025 Amazon AWS-DevOps -Professional Practice Exam

TestPassed is continuing to provide the candidates with Amazon certification exam-related reference materials for years. TestPassed is the website that is validated by all the AWS-DevOps test-takers, which can provide all candidates with the best questions and answers. TestPassed comprehensively ensures the interests of all candidates, which enjoys immense praise of the candidates. Moreover TestPassed is the most trusted website on the current market.

To be eligible for the AWS-DevOps Exam, candidates must have a minimum of two years of experience in a DevOps role, with experience working with AWS services and tools. They should also be proficient in Agile and Lean methodologies, as well as have a good understanding of software development processes, infrastructure automation, and troubleshooting.

# Amazon AWS Certified DevOps Engineer - Professional Sample Questions (Q564-Q569):

#### **NEW OUESTION # 564**

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 using Spot instances. 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 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.
- C. 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.
- D. Deploy containers on an AWS Elastic Beanstalk Multicontainer Docker environment. Configure Elastic Beanstalk to automatically scale the environment based on Amazon CloudWatch metrics.

#### Answer: B

#### Explanation:

https://aws.amazon.com/blogs/compute/automatic-scaling-with-amazon-ecs/

#### **NEW QUESTION # 565**

A company is using AWS CodePipeline to automate its release pipeline. AWS CodeDeploy is being used in the pipeline to deploy an application to Amazon ECS using the blue/green deployment model. The company wants to implement scripts to test the green version of the application before shifting traffic. These scripts will complete in 5 minutes or less. If errors are discovered during these tests, the application must be rolled back.

Which strategy will meet these requirements?

- A. Add a hooks section to the CodeDeploy AppSpec file.
   Use the AfterAllowTestTraffic lifecycle event to invoke an AWS Lambda function to run the test scripts.
   If errors are found, exit the Lambda function with an error to trigger rollback.
- B. Add a stage to the CodePipeline pipeline between the source and deploy stages.
   Use AWS CodeBuild to create an execution environment and build commands in the buildspec file to invoke test scripts.
   If errors are found, use the aws deploy stop-deployment command to stop the deployment.
- C. Add a hooks section to the CodeDeploy AppSpec file.
   Use the AfterAllowTraffic lifecycle event to invoke the test scripts.
   If errors are found, use the aws deploy stop-deployment CLI command to stop the deployment.
- D. Add a stage to the CodePipeline pipeline between the source and deploy stages.
   Use this stage to execute an AWS Lambda function that will run the test scripts.
   If errors are found, use the aws deploy stop-deployment command to stop the deployment.

#### Answer: A

#### Explanation:

https://docs.aws.amazon.com/codedeploy/latest/userguide/reference-appspec-file-structure- hooks.html

#### **NEW QUESTION #566**

What storage driver does Docker generally recommend that you use if it is available?

- A. aufs
- B. btrfs
- C. zss
- D. overlay

#### Answer: A

#### Explanation:

After you have read the storage driver overview, the next step is to choose the best storage driver for your workloads. In making this decision, there are three high-level factors to consider: If multiple storage drivers are supported in your kernel, Docker has a prioritized list of which storage driver to use if no storage driver is explicitly configured, assuming that the prerequisites for that storage driver are met: If auß is available, default to it, because it is the oldest storage driver. However, it is not universally available. Reference:

https://docs.docker.com/engine/userguide/storagedriver/selectadriver/

#### **NEW QUESTION #567**

Which of the following is not a rolling type update which is present for Configuration Updates when it comes to the Elastic Beanstalk

#### service

- A. Rolling based on Instances
- B. Immutable
- C. Rolling based on time
- D. Rolling based on Health

#### Answer: A

Explanation:

Explanation

When you go to the configuration of your Elastic Beanstalk environment, below are the updates that are possible.

Configuration Update	s amazon
The following settings contri	ol how changes to the environment's instances are propagated.
Rolling update type:	Rolling based on Health • Learn more
	Disabled
Maximum batch size:	Rolling based on Health Rolling based on Time Immutable  more of instances that should be modified at any given time.
Minimum instances in service:	The minimum number of instances that should be in service at any given time.
Pause time:	0 Hour 0 Minutes 0 Seconds
	The time to wait between changes to a batch of environments. Must be an hour or less.

#### The AWS Documentation mentions

- 1) With health-based rolling updates. Elastic Beanstalk waits until instances in a batch pass health checks before moving on to the next batch.
- 2) For time-based rolling updates, you can configure the amount of time that Elastic Beanstalk waits after completing the launch of a batch of instances before moving on to the next batch. This pause time allows your application to bootsrap and start serving requests.
- 3) Immutable environment updates are an alternative to rolling updates that ensure that configuration changes that require replacing instances are applied efficiently and safely. If an immutable environment update fails, the rollback process requires only terminating an Auto Scalinggroup. A failed rolling update, on the other hand, requires performing an additional rolling update to roll back the changes.

For more information on Rolling updates for Elastic beanstalk configuration updates, please visit the below URL:

#### **NEW QUESTION # 568**

Your organization has decided to implement a third-party configuration management tool that uses a master server from which nodes pull configuration.

You have built a custom base Amazon Machine Image that already has the third-party configuration management agent installed. You want to use the same base AMI in Development, Test and Production environments, each of which has its own master server. How should you configure your Amazon EC2 instances to register with the correct master server on launch?

- A. Use Amazon CloudFormation to describe your environment.
   Configure an input parameter for the master server hostname/address, and use this parameter within an Amazon EC2 UserData script that registers the agent with the master.
- B. Create a tag for all instances that specifies their environment.

  When launching instances, provide an Amazon EC2 UserData script that gets this tag by querying the MetaData Service and registers the agent with the master.
- C. Create a script on your third-party configuration management master server that queries the Amazon EC2 API for new instances and registers them with it.
- D. Use Amazon Simple Workflow Service to automate the process of registering new instances with your master server. Use an Environment tag in Amazon EC2 to register instances with the correct master server.

#### Answer: A

<sup>\*</sup> http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.rollingupdates.html

### **NEW QUESTION # 569**

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