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QUESTION 1

On which local address does the Docker DNS server listen?

A. 127.0.0.1

B. 127.0.0.111

C. 127.0.0.254

D. 127.0.0.11

Correct Answer: D

Note: If you need access to a host\\'s localhost resolver, you must modify your DNS service on the host to listen on a non-localhost address that is reachable from within the container. Note: The DNS server is always at 127.0.0.11.

Reference: https://docs.docker.com/engine/userguide/networking/configure-dns/

QUESTION 2

A DevOps engineer at a company is supporting an AWS environment in which all users use AWS Single Sign-On. The company wants to immediately disable credentials of any new IAM user and wants the security team to receive a notification.

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

A. Create an Amazon EventBridge (Amazon CloudWatch Events) rule that reacts to an IAM CreateUser API call in AWS CloudTrail.

B. Create an Amazon EventBridge (Amazon CloudWatch Events) rule that reacts to an IAM GetLoginProfile API call in AWS CloudTrail.

C. Create an AWS Lambda function that is a target of the EventBridge (CloudWatch Events) rule. Configure the Lambda function to disable any access keys and delete the login profiles that are associated with the IAM user.

D. Create an AWS Lambda function that is a target of the EventBridge (CloudWatch Events) rule. Configure the Lambda function to delete the login profiles that are associated with the IAM user.

E. Create an Amazon Simple Notification Service (Amazon SNS) topic that is a target of the EventBridge (CloudWatch Events) rule. Subscribe the security team\\'s group email address to the topic.

F. Create an Amazon Simple Queue Service (Amazon SQS) queue that is a target of the Lambda function. Subscribe the security team\\'s group email address to the queue.

Correct Answer: CDE

QUESTION 3

Within an IAM policy, can you add an IfExists condition at the end of a Null condition?

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A. Yes, you can add an IfExists condition at the end of a Null condition but not in all Regions.

B. Yes, you can add an IfExists condition at the end of a Null condition depending on the condition.

C. No, you cannot add an IfExists condition at the end of a Null condition.

D. Yes, you can add an IfExists condition at the end of a Null condition.

Correct Answer: C

Within an IAM policy, IfExists can be added to the end of any condition operator except the Null condition. It can be used to indicate that conditional comparison needs to happen if the policy key is present in the context of a request; otherwise, it can be ignored.

Reference: http://docs.aws.amazon.com/IAM/latest/UserGuide/reference_policies_elements.html

QUESTION 4

A company has multiple environments that run applications on Amazon EC2 instances. The company wants to track costs and has defined a new rule that states that all production EC2 instances must be tagged with a CostCenter tag.

A DevOps engineer has created a tag policy to validate the use of the CostCenter tag, has activated the option to prevent noncompliant tagging operations for this tag, and has attached the policy to the production OU in AWS Organizations. The DevOps engineer generates a compliance report for the entire organization and ensures that all the deployed instances have the correct tags configured. The DevOps engineer also verifies that the CostCenter tag cannot be removed from an EC2 instance that runs in one of the production accounts.

After some time, the DevOps engineer notices that several EC2 instances have been launched in the production accounts without the configuration of the CostCenter tag.

What should the DevOps engineer do to ensure that all production EC2 instances are launched with the CostCenter tag configured?

A. Attach the tag policy to the organization root to ensure that the policy applies to all EC2 instances.

B. Create an SCP that requires the CostCenter tag during the launch of EC2 instances.

C. In the AWS Billing and Cost Management console of the management account, activate the CostCenter tag as a cost allocation tag.

D. Activate the AWS Config required-tags managed rule in all production accounts. Ensure that the rule evaluates the CostCenter tag.

Correct Answer: C

After you activate cost allocation tags, AWS uses the cost allocation tags to organize your resource costs on your cost allocation report, to make it easier for you to categorize and track your AWS costs. Reference: https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/cost-alloc-tags.html

QUESTION 5

A development team manages website deployments using AWS CodeDeploy blue/green deployments. The application is running on Amazon EC2 instances behind an Application Load Balancer in an Auto Scaling group.

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When deploying a new revision, the team notices the deployment eventually falls, but it takes a long time to fail. After further inspection, the team discovers the AllowTraffic lifecycle event ran for an hour and eventually failed without providing any other information. The team wants to ensure failure notices are delivered more quickly while maintaining application availability even upon failure.

Witch combination of actions should be taken to meet these requirements? (Choose two.)

A. Change the deployment configuration to CodeDeployDefaultAllAtOnce to speed up the deployment process by deploying to all of the instances at the same time.

B. Create a CodeDeploy trigger for the deployment failure event and make the deployment fail as soon as a single health check failure is detected.

C. Reduce the HealthCheckIntervalSeconds and UnhealthyThresholdCount values within the target group health checks to decrease the amount of time it takes for the application to be considered unhealthy.

D. Use the appspec.yml file to run a script on the AllowTraffic hook to perform lighter health checks on the application instead of making CodeDeploy wait for the target group health checks to pass.

E. Use the appspec,yml file to run a script on the BeforeAllowTraffic hook to perform hearth checks on the application and fail the deployment it the health checks performed by the script are not successful.

Correct Answer: AC

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