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**QUESTION 1**

Your application stores sensitive information on an EBS volume attached to your EC2 instance. How can you protect your information? (Choose two.)

- A. Unmount the EBS volume, take a snapshot and encrypt the snapshot. Re-mount the Amazon EBS volume.
- B. It is not possible to encrypt an EBS volume, you must use a lifecycle policy to transfer data to S3 for encryption.
- C. Copy the unencrypted snapshot and check the box to encrypt the new snapshot. Volumes restored from this encrypted snapshot will also be encrypted.
- D. Create and mount a new, encrypted Amazon EBS volume. Move the data to the new volume. Delete the old Amazon EBS volume.

Correct Answer: CD

These steps are given in the AWS documentation

To migrate data between encrypted and unencrypted volumes

- 1) Create your destination volume (encrypted or unencrypted, depending on your need).
- 2) Attach the destination volume to the instance that hosts the data to migrate.
- 3) Make the destination volume available by following the procedures in Making an Amazon EBS Volume Available for Use. For Linux instances, you can create a mount point at /mnt/destination and mount the destination volume there.
- 4) Copy the data from your source directory to the destination volume. It may be most convenient to use a bulk-copy utility for this.

To encrypt a volume's data by means of snapshot copying

- 1) Create a snapshot of your unencrypted CBS volume. This snapshot is also unencrypted.
 - 2) Copy the snapshot while applying encryption parameters. The resulting target snapshot is encrypted.
 - 3) Restore the encrypted snapshot to a new volume, which is also encrypted.
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QUESTION 2

Which statement is true about configuring proxy support for Amazon Inspector agent on a Windows-based system?

- A. Amazon Inspector agent supports proxy usage on Windows-based systems through the use of the WinHTTP proxy.
- B. Amazon Inspector agent supports proxy usage on Linux-based systems but not on Windows.
- C. Amazon Inspector proxy support on Windows-based systems is achieved through installing proxy-enabled version of the agent which comes with preconfigured files that you need to edit to match your environment.
- D. Amazon Inspector agent supports proxy usage on Windows-based systems through awsagent.env configuration file.

Correct Answer: A



Proxy support for AWS agents is achieved through the use of the WinHTTP proxy.

Reference: https://docs.aws.amazon.com/inspector/latest/userguide/inspector_agents-on-win.html#inspectoragent-proxy

QUESTION 3

When running a playbook on a remote target host you receive a Python error similar to "[Errno 13] Permission denied: `/home/nick/.ansible/tmp\'`. What would be the most likely cause of this problem?

- A. The user\'s home or `.ansible\' directory on the Ansible system is not writeable by the user running the play.
- B. The specified user does not exist on the remote system.
- C. The user running `ansible-playbook\' must run it from their own home directory.
- D. The user\'s home or `.ansible\' directory on the Ansible remote host is not writeable by the user running the play

Correct Answer: D

Each task that Ansible runs calls a module. When Ansible uses modules, it copies the module to the remote target system. In the error above it attempted to copy it to the remote user\'s home directory and found that either the home directory or the `.ansible\' directory were not writeable and thus could not continue.

Reference: http://docs.ansible.com/ansible/modules_intro.html

QUESTION 4

A company requires an RPO of 2 hours and an RTO of 10 minutes for its data and application at all times. An application uses a MySQL database and Amazon EC2 web servers. The development team needs a strategy for failover and disaster recovery.

Which combination of deployment strategies will meet these requirements? (Select TWO.)

- A. Create an Amazon Aurora cluster in one Availability Zone across multiple Regions as the data store Use Aurora\'s automatic recovery capabilities in the event of a disaster
- B. Create an Amazon Aurora global database in two Regions as the data store. In the event of a failure promote the secondary Region as the primary for the application.
- C. Create an Amazon Aurora multi-master cluster across multiple Regions as the data store. Use a Network Load Balancer to balance the database traffic in different Regions.
- D. Set up the application in two Regions and use Amazon Route 53 failover-based routing that points to the Application Load Balancers in both Regions. Use health checks to determine the availability in a given Region. Use Auto Scaling groups in each Region to adjust capacity based on demand.
- E. Set up the application in two Regions and use a multi-Region Auto Scaling group behind Application Load Balancers to manage the capacity based on demand. In the event of a disaster adjust the Auto Scaling group\'s desired instance count to increase baseline capacity in the failover Region.



Correct Answer: BD

QUESTION 5

A DevOps engineer used an AWS Cloud Formation custom resource to set up AD Connector. The AWS Lambda function ran and created AD Connector, but Cloud Formation is not transitioning from CREATE_IN_PROGRESS to CREATE_COMPLETE.

Which action should the engineer take to resolve this issue?

- A. Ensure the Lambda function code has exited successfully.
- B. Ensure the Lambda function code returns a response to the pre-signed URL.
- C. Ensure the Lambda function IAM role has cloudformation UpdateStack permissions for the stack ARN.
- D. Ensure the Lambda function IAM role has ds ConnectDirectory permissions for the AWS account.

Correct Answer: B

Reference: <https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/crpg-ref-responses.html>

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