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Domain	Deployment
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Correct	1
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No	2
Domain	Monitoring and Troubleshooting
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Correct	0
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Correct	0
Incorrect	1
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No	4
Domain	Security
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Correct	0
Incorrect	1
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Total	Total
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Total Question	10
Correct	1
Incorrect	9
Unattempted	0
Marked for review	0

Review the Answers

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Question 1   Incorrect

Domain :Deployment

An IT firm is storing critical data on multiple provisioned IOPS & throughput optimized EBS volumes based upon various categories of data. For quick restoration of this data in other regions, Operation Team is looking for data backup for all these EBS volumes. Which of the following is the best option in performing backup for multiple EBS volumes?

A. Create a Multi-volume Snapshot for all EBS Volumes attached to EC2 instance by selecting Resource Type as Instance in Snapshot navigation pane. ✅

B. Create a Multi-volume Snapshot for all EBS Volumes attached to EC2 instance by selecting Resource Type as Volumes in Snapshot navigation pane.

✓ C. Create a Snapshot for all EBS Volumes attached to EC2 instance individually by selecting Resource Type as Volumes in Snapshot navigation pane. ❌

D. Create a Snapshot for all EBS Volumes attached to EC2 instance individually by selecting Resource Type as Instance in Snapshot navigation pane.

Explanation:

Correct Answer – A

Using Multi-Volume Snapshot, a point-in-time snapshot of all EBS volumes connected to an EC2 instance can be performed. For this from the Snapshot navigation pane, resource type should be selected as Instance which will provide the option of performing snapshot for all EBS volumes connected to that EC2 instance.

Option B is incorrect as Resource Type should be selected as Instance & Not Volumes.

Options C & D are incorrect. Instead of creating a snapshot for each EBS volume, a Multi-volume Snapshot can create multiple EBS volumes in a single operation.

For more information on Amazon EBS Multi-volume Snapshots, refer to the following URL-

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-creating-snapshot.html#ebs-create-snapshot-multi-volume

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Question 2   Incorrect

Domain :Monitoring and Troubleshooting

A start-up firm is using a Dedicated Host for the deployment of Oracle-based applications. Some of the instances on this Dedicated Host are using instance stored volume, while some are using EBS volumes. Host recovery is enabled on this Dedicated host. Due to hardware issues on a dedicated host, a replacement instance was launched. But you found that instance store-backed instances are not recovered to that host. What can be possible reasons for the Instance store-backed instance not recovered on replacement Dedicated host?

A. **Need to open an AWS ticket for recovery of instance store-backed instances on Dedicated Host.**

B. **Need to perform manual recovery of instance store-backed instances on Dedicated Host following remedial steps.** ✓

C. **Instance store-backed instances need to be rehosted to EBS backed volumes.**

D. **Manually start & stop instance so that automatic recovery can be initiated to a replacement Dedicated host.** ✗

Explanation:

Correct Answer – B

Instance store-backed instances are not automatically recovered on replacement Dedicated host post Host recovery. For these instances, a manual approach needs to be followed based upon remedial steps.

Option A is incorrect as No need to open AWS Ticket, Instance store-backed instances can be recovered using remedial steps to a replacement dedicated host.

Option C is incorrect. Although this will work, this is not required to be recovered to a replacement Dedicated host.

Option D is incorrect as Stopping the instance will not result in the recovery of impaired Dedicated Host.

For more information on Amazon EC2 host recovery, refer to the following URL-

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dedicated-hosts-recovery.html

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Question 3   Incorrect

Domain :Deployment

A start-up firm has purchased 5 numbers of c5.xlarge Instance for a period of 3 years for an upcoming project. Due to the financial crisis, this project is on hold & the company is looking to share these instances to get some financial benefit. The IT head is seeking your guidance for sharing these Reserved Instances. Which of the following statements is correct with regards to Capacity sharing?

    A.   **Capacity reservations can be shared only with Accounts within AWS Organisation.**

    B.   **Capacity reservations can be shared only with other AWS accounts.**

    C.   **Capacity reservations can be shared with other AWS accounts or within AWS Organisation.**   ✅

✓   D.   **Capacity reservations cannot be shared outside individual accounts.**   ❌

Explanation:

Correct Answer – C

Using Capacity reservation sharing, reserved instances can be shared with other accounts within an AWS Organisation or other AWS accounts.

    Option A & B are incorrect as Capacity Reservations can be shared with both other AWS accounts and Accounts within AWS Organisation.

    Option D is incorrect as Capacity Reservations can be shared with other AWS accounts as well.

For more information on Amazon EC2 Capacity sharing, refer to the following URL-

    https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/capacity-reservation-sharing.html

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Question 4   Incorrect

Domain :Deployment

A Global IT firm is using a fleet of Reserved Instance for its intranet applications. For uninterrupted services, they are planning to queue Reserved Instance purchases. Which of the following is the correct statement for queuing Reserved Instance?

    A.   **Reserved Instance purchases can be queued only for Reserved instance purchases from other sellers but not for Regional Reserved Instance.**

✓ B.   **Reserved Instance purchases can be queued only for Zonal Reserved instances but not for Regional Reserved Instances.**   ❌

    C.   **Reserved Instance purchases can be queued only for Zonal Reserved instances but not for Reserved Instance from other sellers.**

    D.   **Reserved Instance purchases can be queued only for Regional Reserved instance but not for Reserved Instance from other sellers.**   ✅

Explanation:

Correct Answer – D

Reserved Instance can be queued for purchase on a future date. Reserved Instance purchase can be queued only for regional instance & not for zonal Reserved Instance & Instance brought from other sellers.

Option A is incorrect as Reserved Instance purchases cannot be queued for purchases from other sellers.

Option B & C are incorrect as queuing of Zonal Reserved Instance is not supported.

For more information on queuing Reserved Instance purchase, refer to the following URL-

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ri-market-concepts-buying.html#ri-queued-purchase

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Question 5   Incorrect

Domain :Development with AWS Services

The Development Team of a gaming application firm needs to test new gaming apps on various EC2 instances with multiple OS platforms. To avoid delay in the setup of these EC2 instances, the IT head has decided to launch some EC2 instances with all required application components & hibernate these instances. The Accounts Team is concerned about the cost incurred for these hibernated EC2 instances. Which of the following is the correct statement for charges incurred for an EC2 instance in a hibernation state?

     A.   **EBS storage charges & Elastic IP Address charges attached to Instance.**   ✅

✓ B.   **Instance charges per second for duration of hibernation & S3 storage charges for data copied from Instance to S3 bucket.**   ❌

     C.   **S3 Storage charges & Elastic IP Address charges attached to Instance.**

     D.   **Instance charges per second for duration of hibernation & EBS storage charges.**

Explanation:

Correct Answer – A

When an EC2 instance is hibernated, the following are charged.

   1) EBS storage charges for in-memory data saved in EBS volumes.

   2) Elastic IP address charges which are associated with an instance.

Option B is incorrect as When the EC2 instance is hibernated, in-memory data is stored in EBS volumes & not the S3 bucket. So, no charges are incurred for the S3 bucket. Also, in a hibernated state there are no charges for instance.

Option C is incorrect as When the EC2 instance is hibernated, in-memory data is stored in EBS volumes & not the S3 bucket. So, no charges are incurred for S3 bucket.

Option D is incorrect as in a hibernated state there are no charges for instance.

For more information on Amazon EC2 Instance Hibernation, refer to the following URL-

https://aws.amazon.com/blogs/aws/new-hibernate-your-ec2-instances/

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Question 6   Correct

Domain :Deployment

A manufacturing firm has purchased Dedicated Host for deploying its Microsoft-based Application. To fully utilize the capacity of this Dedicated host, the IT Head had decided to share this Dedicated Host with other accounts (consumers) within AWS Organisation. What privileges will consumers will be acquiring for launching instances on these shared Dedicated hosts?

A. **Consumers will be able to manage instance which they have launched on a shared Dedicated host & view instance launched by other consumers on this Dedicated Host.**

✓ B. **Consumers will be able to manage instance which they have launched on a shared Dedicated host.** ✅

C. **Consumers will be able modify Dedicated Host & manage instance which they have launched on a shared Dedicated host.**

D. **Consumers will be able to manage instance which they have launched along with instance launched by other consumers.**

Explanation:

Correct Answer – B

Dedicated Host can be shared with other accounts within an AWS Organisation or an account outside AWS Organisation. When a Dedicated Host is shared, the owner is responsible for managing the Dedicated Host while consumers can manage the Instance they have launched on this Dedicated Host.

Option A is incorrect as Consumers will not be able to view instance launched by other consumers or owners on this Dedicated Host.

Option C is incorrect as Consumers will not be able to modify the Dedicated host. It can be done only by the owner.

Option D is incorrect as Consumers will be able to manage instances launched only by them & not by other Consumers.

For more information on Amazon EC2 Dedicated Host sharing, refer to the following URL-

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/dh-sharing.html

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Question 7   Incorrect

Domain :Monitoring and Troubleshooting

A start-up firm is using Amazon EC2 instance for web applications. The IT Team is observing some of the EC2 instances unresponsive & remotely looking for the crash dump to diagnose further root cause. Which of the following can be used for the collection of crash dump files?

      A.   **Run EC2:SetDiagnosticInterrupt API to generate crash dump data files.**

✓   B.   **Run EC2:DebugDiagnosticInterrupt API to generate crash dump data file.** ❌

      C.   **Run EC2:SendDiagnosticInterrupt API to generate crash dump data files.** ✅

      D.   **Run EC2:RunDiagnosticInterrupt API to generate crash dump data files.**

Explanation:

Correct Answer – C

For getting crash dump remotely for an unresponsive EC2 instance, *EC2:SendDiagnosticInterrupt* API can be used which based upon OS configuration can do multiple things like getting crash dump, obtain a backtrace, load a kernel replacement or restart a system.

Option A, B & D are incorrect as *these are* not the correct APIs to get crash dump.

For more information on Amazon EC2 instance Troubleshooting, refer to the following URL-

https://aws.amazon.com/blogs/aws/new-trigger-a-kernel-panic-to-diagnose-unresponsive-ec2-instances/

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Question 8   Incorrect

Domain :Deployment

The Development Team has successfully deployed a new application on the Amazon EC2 instance in the us-west-2 region. The same application needs to be deployed on Amazon EC2 instances in other regions. For this deployment, they are looking for your support to deploy EC2 instances with images built from instances in the us-west-2 region along with the latest security patches. Which action will be best suited for this requirement?

✓   A.   **Create a snapshot of an image & deploy it in all other EC2 instances.**   ❌

    B.   **Build automated scripts to create updated images with the latest patches.**

    C.   **Manually create EC2 image with the latest patches.**

    D.   **Use EC2 Image Builder to create images with the latest patches.**   ✅

Explanation:

Correct Answer – D

EC2 Image Builder can help provide images with the latest security patches & also automates testing these images to validate deployment.

Option A is incorrect as multiple snapshots will be required which will be time-consuming.

Option B is incorrect as creating automated scripts will incur additional admin work.

Option C is incorrect as manually creating EC2 image with the latest patches will be time-consuming & error-prone.

For more information on Amazon EC2 Image Builder, refer to the following URL-

https://aws.amazon.com/blogs/aws/automate-os-image-build-pipelines-with-ec2-image-builder/

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Question 9   Incorrect

Domain :Deployment

Media firm is using EBS backed EC2 Instance for their application deployment. They have a process of daily snapshot of these EBS volumes. During an outage, while restoring this snapshot, they observed a delay in restoration, incurring financial loss to the firm. The IT Head has demanded to use Fast Snapshot restore (FSR) for performance improvement & assigned you to work on this task to set up FSR on Snapshots. Which of the following is the correct statement concerning FSR for EBS?

    A.   **FSR can be enabled for New & Existing Snapshots per Availability Zone.** ✅

    B.   **FSR can be enabled for only New Snapshots per Availability Zone.**

✓   C.   **FSR can be enabled for only Existing Snapshots per Availability Zone.** ❌

    D.   **FSR can be enabled for only New Snapshots in all Availability Zone in a region.**

Explanation:

Correct Answer – A

Fast Snapshot restore (FSR) needs to be enabled per Availability Zone. Also, this can be enabled on both existing as well as new Snapshots.

Option B & C are incorrect as FSR can be enabled for both new & existing Snapshots.

Option D is incorrect as FSR needs to be enabled per AZ.

For more information on Amazon EBS FSR, refer to the following URL-

https://aws.amazon.com/blogs/aws/new-amazon-ebs-fast-snapshot-restore-fsr/

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Question 10   Incorrect

Domain :Security

A start-up firm is using a legacy Linux based EC2 instance for their application deployment. Users will be using browser-based clients to connect to Linux instances. The IT Team plans to set up EC2 Instance Connect to enable users to connect to these instances. Which of the following steps is not required for setting Amazon EC2 Instance connect on instance?

  A. **Install EC2 Instance Connect on an instance.**

  B. **Installing EC2 instance Connect CLI.**　✅

✓ C. **Configuring IAM permissions for EC2 Instance Connect.**　❌

  D. **Create Security Group allowing port 22 in inbound direction & associate with instance.**

Explanation:

Correct Answer – B

Since users will be using browser-based clients to connect to Linux based instance, installing EC2 instance Connect CLI is not required. For EC2 instance with the latest Linux OS, EC2 instance Connect is preconfigured & no additional setup is required.

 Option A, C, D are incorrect as these are required steps in setting EC2 instance Connect.

For more information on Amazon EC2 Instance Connect, refer to the following URL-

https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-connect-set-up.html

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