



## review



review questions

### **AWS Backup and Recovery V1.01**



Course title

**BackSpace Academy  
AWS Certified Associate**



This "learning by quizzes" exercise will be based upon the course videos and the following reference material:

Section:

Reference: Backup and Recovery Approaches Using AWS

[https://d1.awsstatic.com/whitepapers/Backup\\_and\\_Recovery\\_Approaches\\_Using\\_AWS.pdf](https://d1.awsstatic.com/whitepapers/Backup_and_Recovery_Approaches_Using_AWS.pdf)

## Question

You need to ensure data availability in the event of failure of a single drive or termination of the instance. Choose the most appropriate solution for an EC2 instance.

## Answers

- A. Attach one EBS volume to the running instance
- B. Two EBS volumes configured as RAID 0
- C. Two EBS volumes configured as RAID 1
- D. Attach one EBS volume at instance launch.

A

When you create an EBS volume in an Availability Zone, it is automatically replicated within that zone to prevent data loss due to failure of any single hardware component.

EBS volumes attached to a running instance are not deleted when instance is terminated but are detached with data intact. EBS volumes attached after launch are by default not deleted on termination.

See: <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumes.html#EBSFeatures>

## Question

You need to ensure availability in the event of failure of an availability zone. Choose the most appropriate solution for an EC2 instance.

## Answers

- A. EBS volume attached to running instance.
- B. Two EBS volumes attached to running instance as RAID 0.
- C. Two EBS volumes attached to running instance as RAID 1
- D. Configure synchronous block-level replication to an Identically configured Instance located in a different availability zone.

D

When you create an EBS volume in an Availability Zone, it is automatically replicated within that zone to prevent data loss due to failure of any single hardware component.

Synchronous block-level replication will be required for replication across different availability zones.

## Question

You need to ensure availability in the event of failure of an availability zone and at the same time have high performance. Choose the most appropriate solution for an EC2 instance.

## Answers

- A. Two EBS volumes attached to the running instance configured as RAID 1. Configure synchronous block-level replication to an Identically configured Instance in another AZ.
- B. Two EBS volumes attached to the instance at launch configured as RAID 1. Configure synchronous block-level replication to an Identically configured Instance in another AZ.
- C. Two instance store volumes attached to the instance configured as RAID 0. Configure synchronous block-level replication to an Identically configured Instance in another AZ.
- D. Two instance store volumes attached to the instance configured as RAID 1. Configure synchronous block-level replication to an Identically configured Instance in another AZ.

C

EC2 instance stores (as known as ephemeral storage) are disks that are physically attached to the host instance. They have better performance, decreased cost, and decreased complexity. Instance stores have lower latencies since the requests do not need to go over the network, and several instance types come with multiple attached volumes that can be RAIDed for greater throughput and capacity.



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