practice questions

*A compilation of practice questions for the AWS Solution Architect Certification*

# route 53

## Question 1

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# Question

Your company has a production Node.js application that is using RDS MySQL 5.6 as its database. A new application programmed in Java will perform some heavy analytics workload to create a dashboard on a regular hourly basis. What is the most cost-effective solution you can implement to minimize disruption for the main application?

1. Enable Multi-AZ for the RDS database and run the analytics workload on the standby database.
2. Create a Read Replica in a different AZ and run the analytics workload on the replica database.
3. Create a Read Replica in a different AZ and run the analytics workload on the source database.

A. The standby in multi-AZ is not accessible for read or write operations; it’s only for failover. You cannot run analytics there.

*B. Read replicas are designed for offloading read-heavy workloads without impacting the primary database. Running analytics on the replica minimizes disruption and is cost-effective.*

C. Running analytics on the source defeats the purpose of the replica and impacts the primary application’s performance.