

Dashboard (<http://kmitonline.com/student/dashboard.php>) / Quiz

<b>Started on</b>	Monday, 15 September 2025, 1:03 PM
<b>State</b>	Finished
<b>Completed on</b>	Monday, 15 September 2025, 1:07 PM
<b>Time taken</b>	4 mins 1 sec
<b>Marks</b>	2.00/4.00
<b>Grade</b>	<b>50.00</b> out of 100.00

### Question 1

Complete

Mark 1.00 out of  
1.00

NLB vs ALB: You must terminate TLS on targets, support HTTP/2 and WebSockets, and still capture true client IP. Which is correct?

Select one:

- ☐ a. CLB in TCP mode; inject X-Client-IP header
- ☒ b. ALB with TLS termination; use X-Forwarded-For for client IP
- ☐ c. NLB with TLS passthrough; client IP preserved but no Layer-7 features
- ☐ d. NLB UDP listener; add proxy protocol

### Question 2

Complete

Mark 1.00 out of  
1.00

EBS Volume: Which type is best for MySQL requiring sub-millisecond latency and high IOPS durability?

Select one:

- ☐ a. sc1 (cold HDD)
- ☒ b. io2 (or io2 Block Express) with provisioned IOPS
- ☐ c. gp3 with default IOPS
- ☐ d. st1 (throughput optimized HDD)

### Question 3

Complete

Mark 0.00 out of  
1.00

EC2 Auto Scaling: Which scaling policy best fits to keep ALB latency under 200 ms during unpredictable spikes?

Select one:

- ☒ a. Simple scaling with a fixed step of +2 instances on high CPU
- ☐ b. Target tracking on an ALB latency metric
- ☐ c. Step scaling based on ALB 5XX errors
- ☐ d. Scheduled scaling every evening

## Question

4

Complete

Mark 0.00 out of  
1.00

S3 Replication: A bucket in us-east-1 must replicate all existing objects and future delete markers to eu-west-1. Which works?

Select one:

- ☐ a. Enable Same-Region Replication (SRR) with “replicate deletes”
- ☒ b. Enable CRR; it automatically backfills existing objects
- ☐ c. Use S3 Batch Replication for existing objects + enable delete marker replication
- ☐ d. Use Replication Time Control (RTC) to backfill existing data