



# DynamoDB

## EXAM CHEAT SHEET

### SOLUTIONS ARCHITECT

- You can use the UpdateItem operation to implement an atomic counter—a numeric attribute that is incremented or decremented, unconditionally, without interfering with other write requests.
- DynamoDB autoscaling introduced in 2017.
- Unstructured blobs, large objects or infrequently accessed data sets should be stored in Amazon S3 not DynamoDB.

### DEVELOPER

- All of the above and;
- If reads/second or writes/second is exceeded, requests will be throttled and 400 error code returned.
- DynamoDB table size is unlimited.
- Global secondary index must have a partition key, and can have an optional sort key. Keys can be different from the base table.
- Data in a local secondary index is organized by the same partition key as the base table, but with a different sort key
- An index cannot be modified once it is created
- By default, the DynamoDB write operations (PutItem, UpdateItem, DeleteItem) are unconditional. DynamoDB optionally supports conditional writes for these operations. A conditional write will succeed only if the item attributes meet one or more expected conditions.

### SYSOPS ADMINISTRATOR

- All of the above and;
- Understand manual and automated monitoring tools:
  - <http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/monitoring-automated-manual.html>