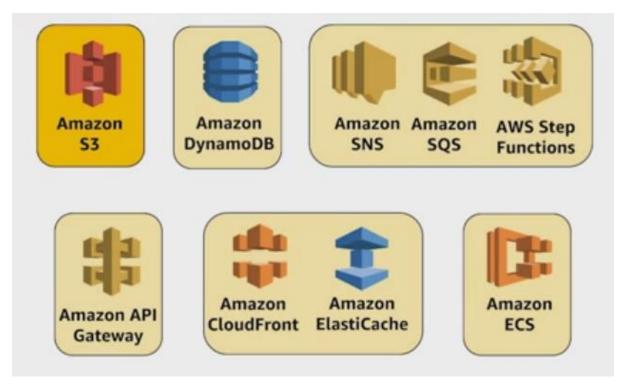
Domain 3:

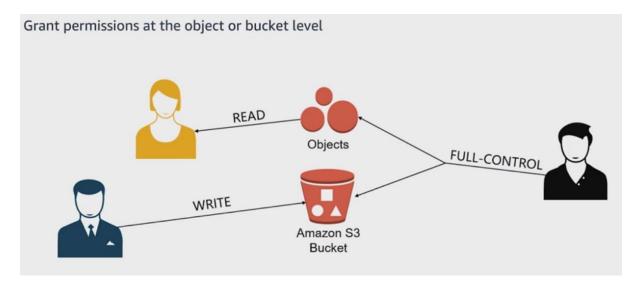
### Development with AWS services:



#### Amazon S3:

- ✓ Bucket: Choose region based on latency, cost, and regulatory requirements
- ✓ Object: Each object has a unique key
  - SomeDocument.doc
  - prog/java/collections.htm
  - 94531/xstreet/JohnSmith.pdf
- √ Path-style URL
- ✓ Virtual hosted-style URL
- ✓ Pre-Signed URL
- √ Cross Origin Resource Sharing (CORS)

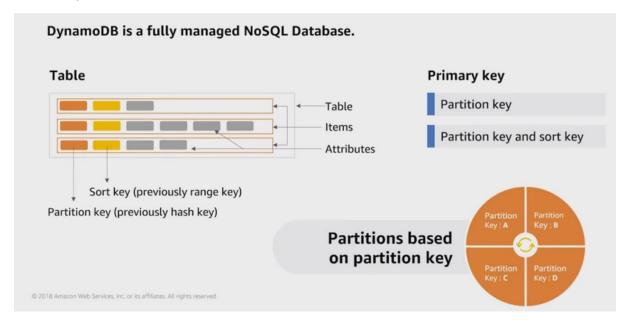
### S3 ACLs:

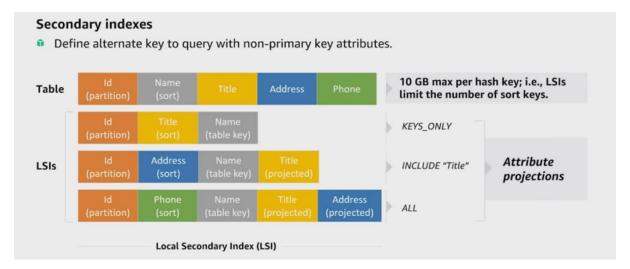


#### S3 bucket policy:

A bucket policy is an access policy language option that's available to grant granular permissions to S3 resources.

### Amazon DynamoDB:





### Data consistency

Decide between eventually consistent reads and strongly consistent reads.

## Throughput

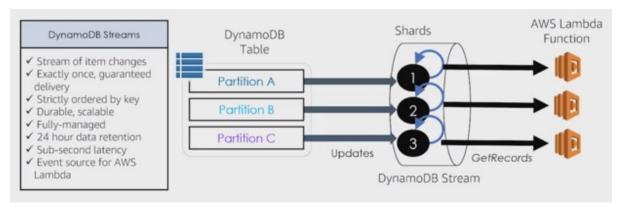
## Read capacity units (RCU)

• Number of strongly consistent reads per second or two eventually consistent reads per second for items up to 4 KB in size (eventually consistent reads use half the provisioned read capacity).

# Write capacity units (WCU)

Number of writes per second, for items up to 1 KB in size.

### Amazon DynamoDB Streams:



Amazon DynamoDB features:

- Conditional write operations
- Optimistic locking with version number
- Batch operations
  - BatchGetItem
  - BatchWriteItem

### DynamoDB Accelerator:

