

# **Elastic Block Storage and Relational Database Service**

# Today's Agenda

- Storage Types
- EBS Storage Types
- Relational Database Service
- RDS Architecture
- Creation of a Database
- Transform monolithic application to tier based application



# EBS Storages

- Block Storage
- It can be created in a AZ. AZ resilient
- Can be detached and reattached to an EC2 instance
- Snapshotting feature is available

# Storage Types

- Direct (Local) Storage or Temporary Storage
- Network Attached Storage or Permanent Storage

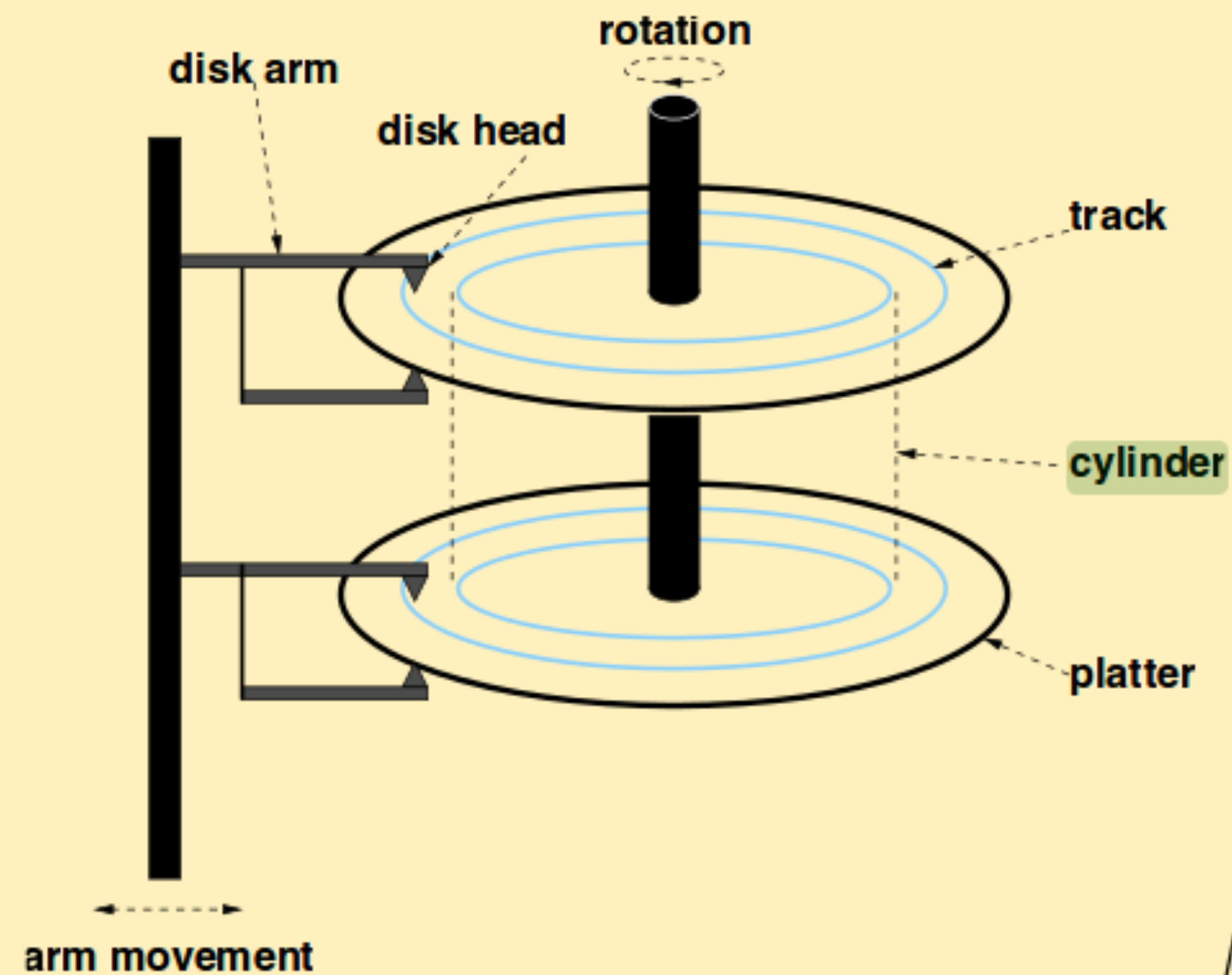


# Block Storage

## PERMANENT MEMORY: DISK

8

In an electronic world, disks are a mechanical/anachronism!

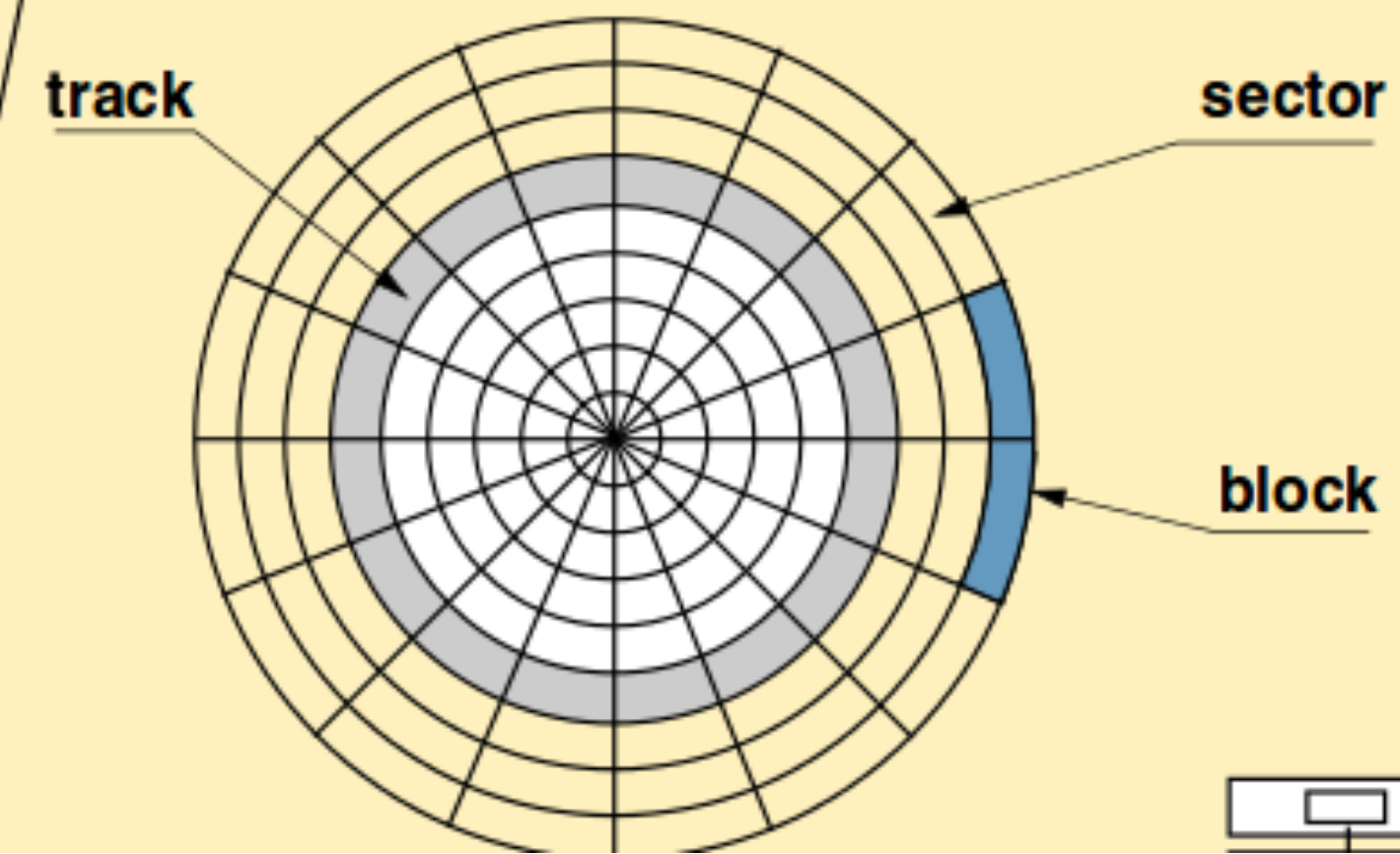


**Access Time =**

Seek Time (0-10 ms) +

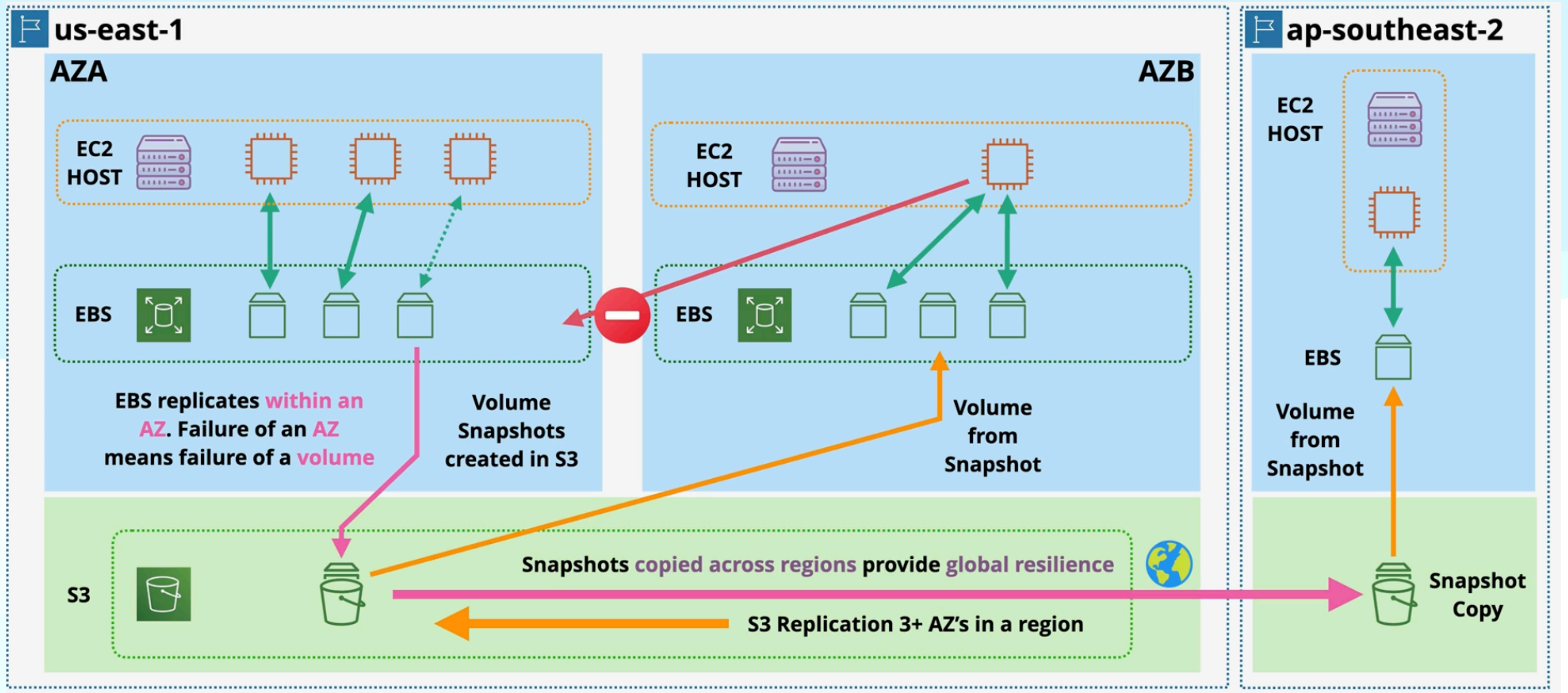
Rotational Time (0-3 ms) +

Transfer time (.02 ms per 8K)



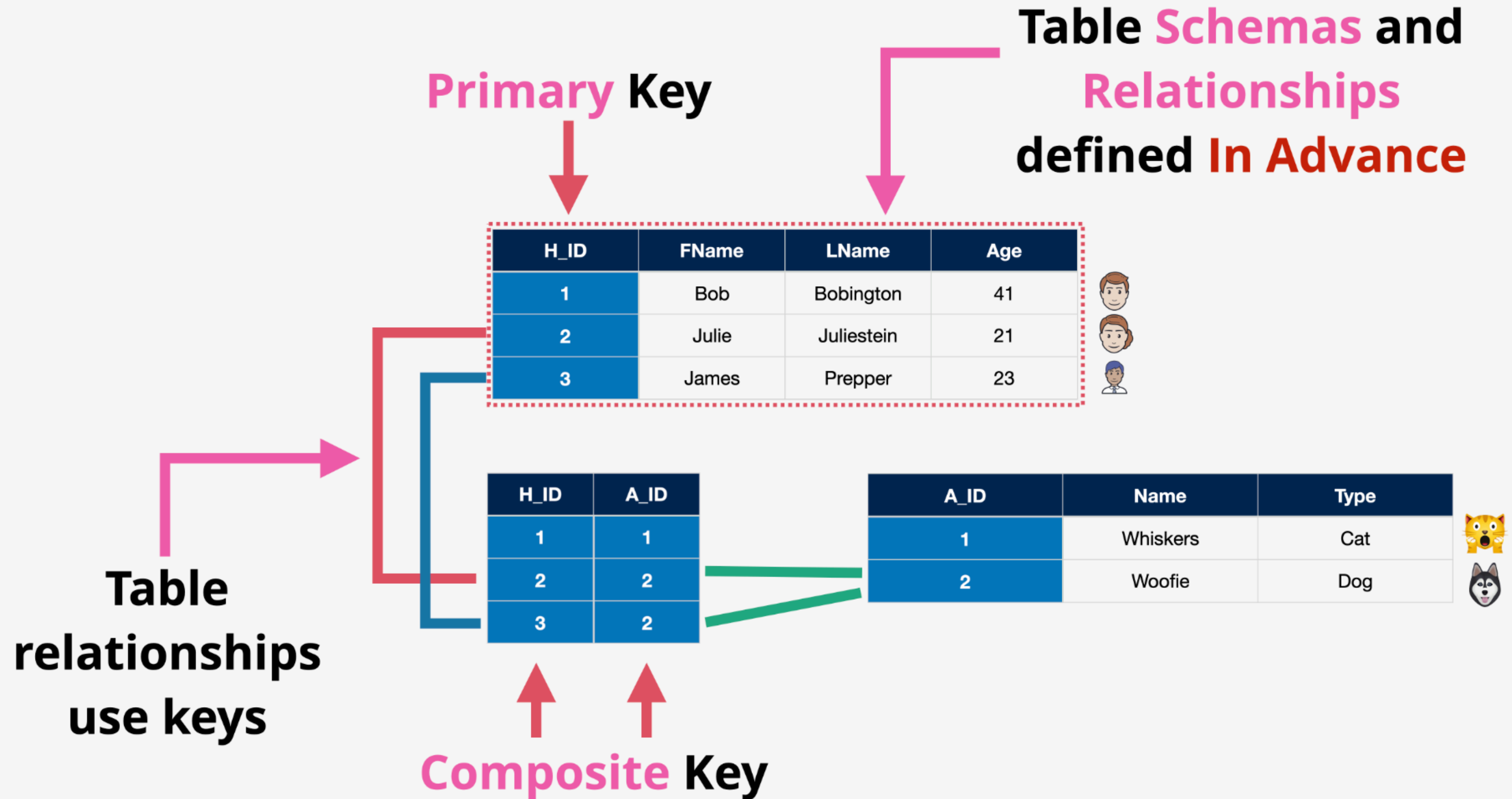


# EBS Architecture

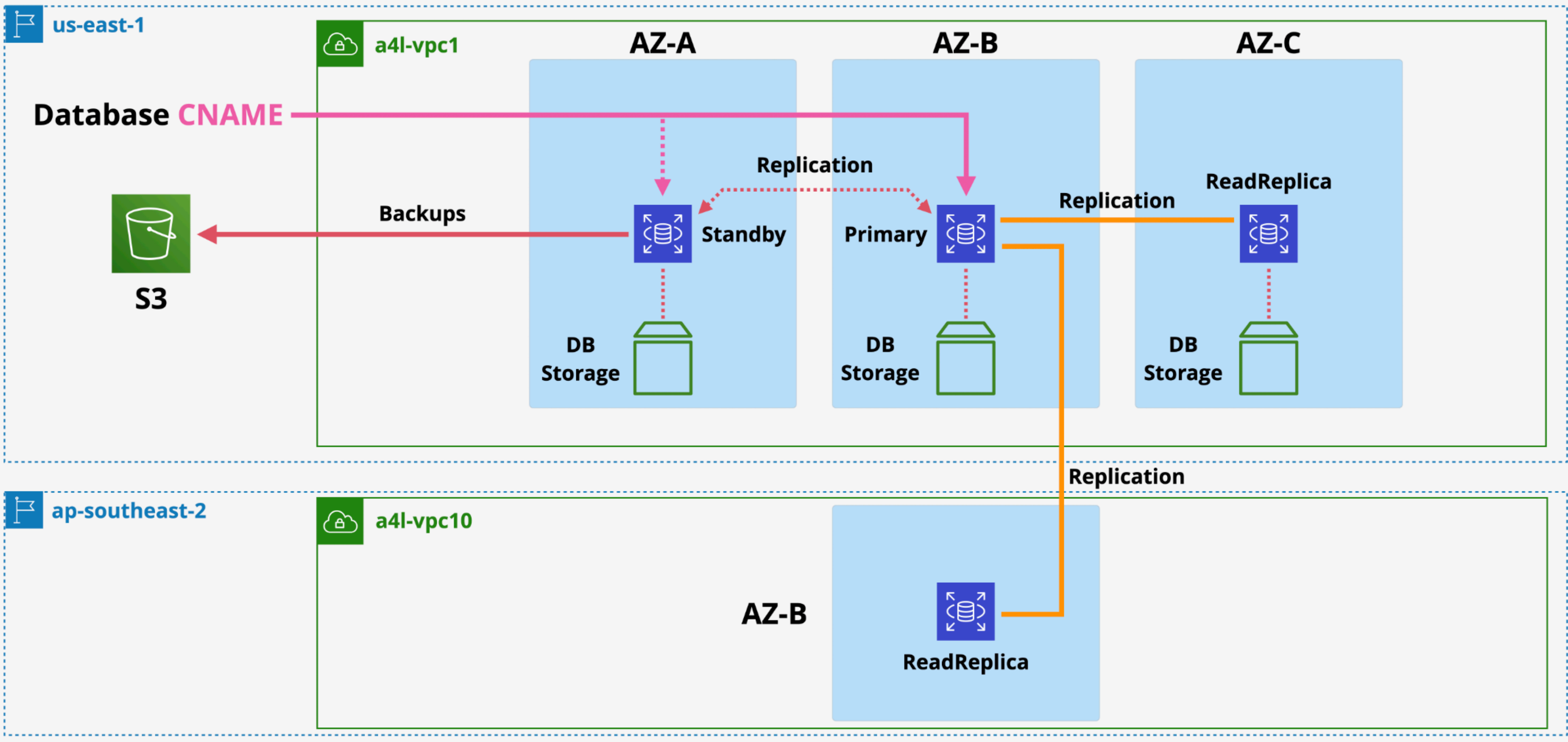




# Relational DB



# RDS Architecture





**QUIZ TIME**

# Q & A