

DESIGNING DATA-INTENSIVE APPLICATIONS

DATA REPLICATION



WHAT IS DATA REPLICATION AND WHY?

**REDUCE
LATENCY**

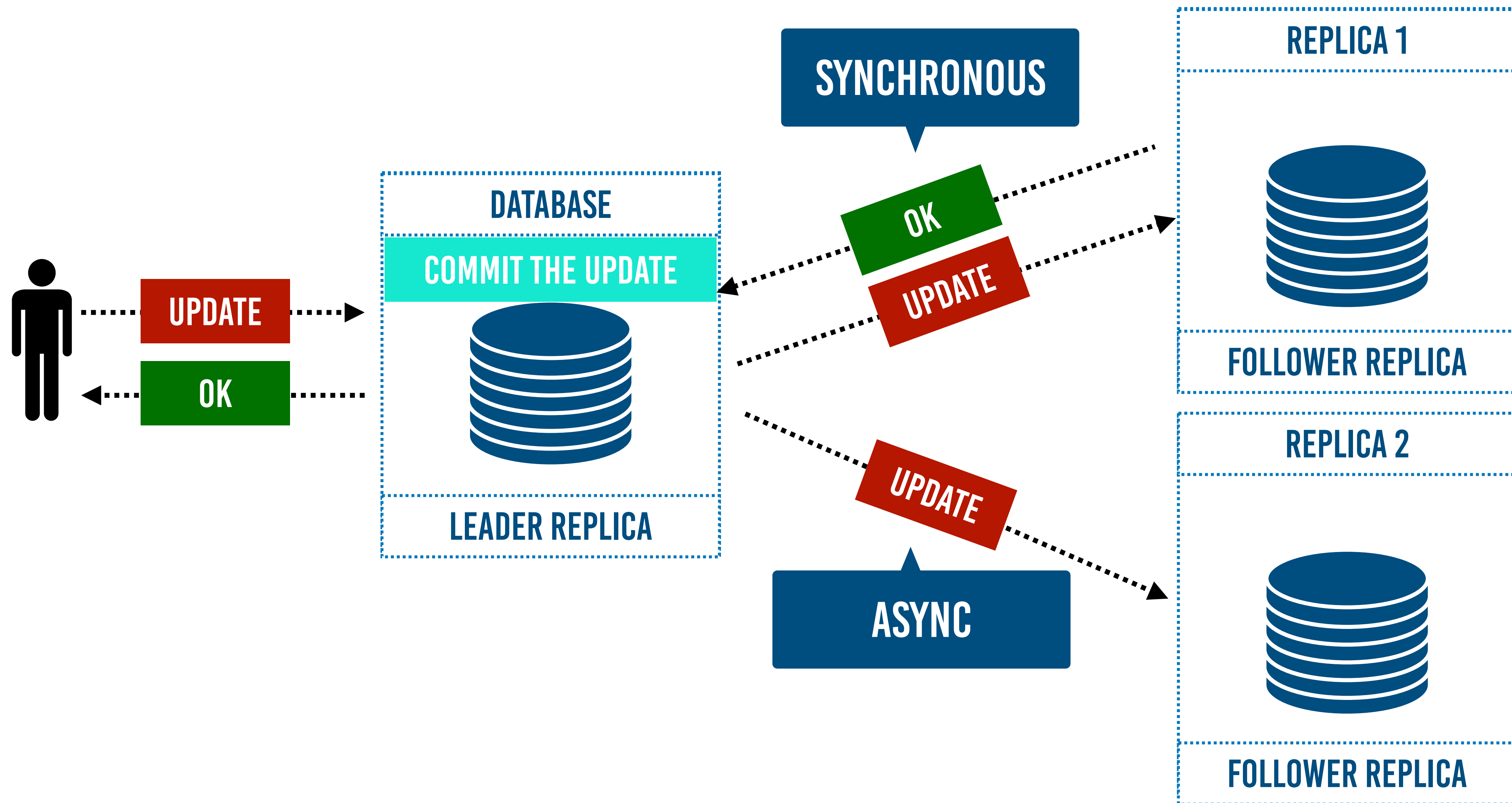
**INCREASE
AVAILABILITY**

**INCREASE READ
THROUGHPUT**

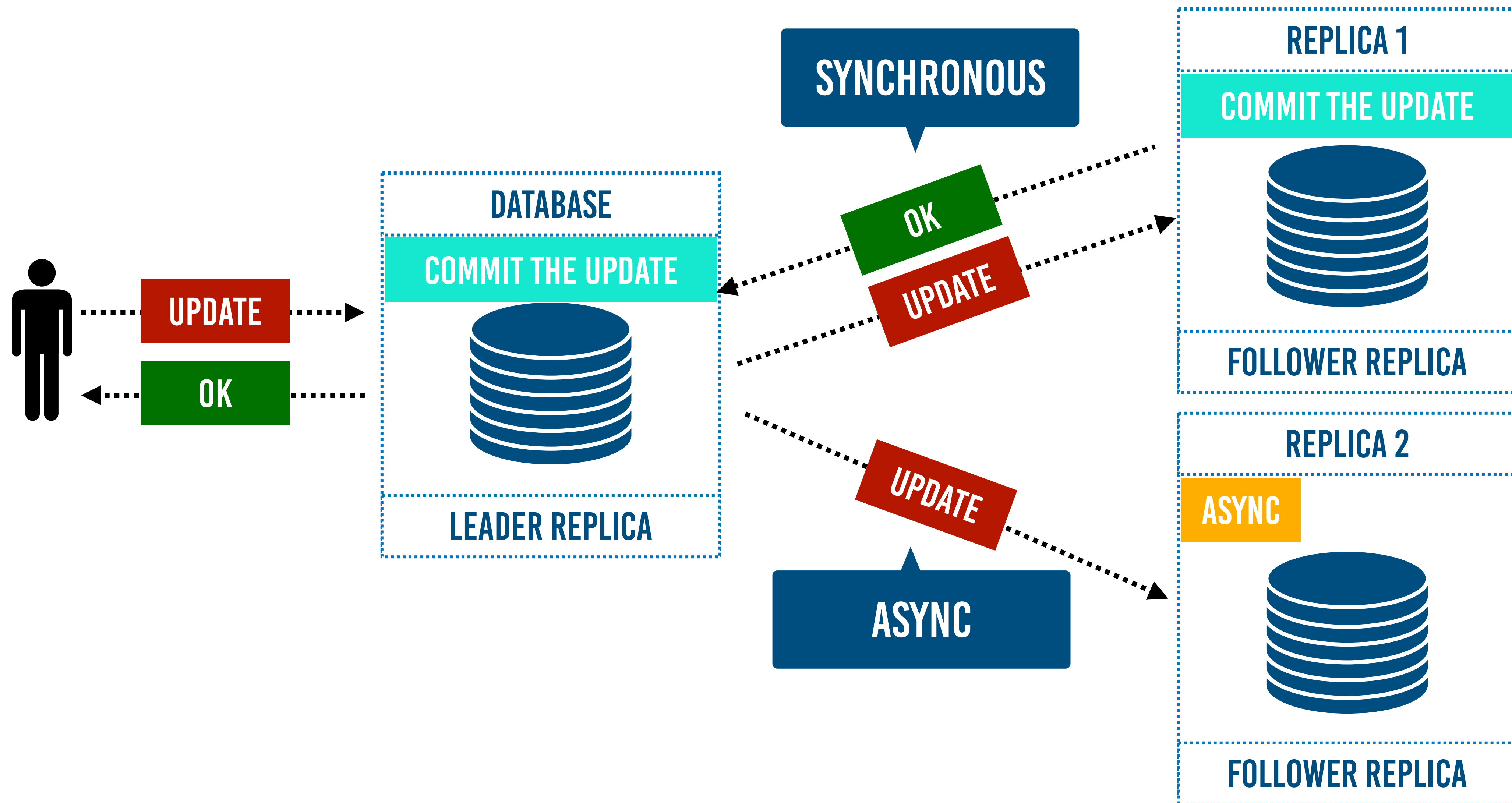
WHAT IS THE PROBLEM IN THIS CHAPTER?



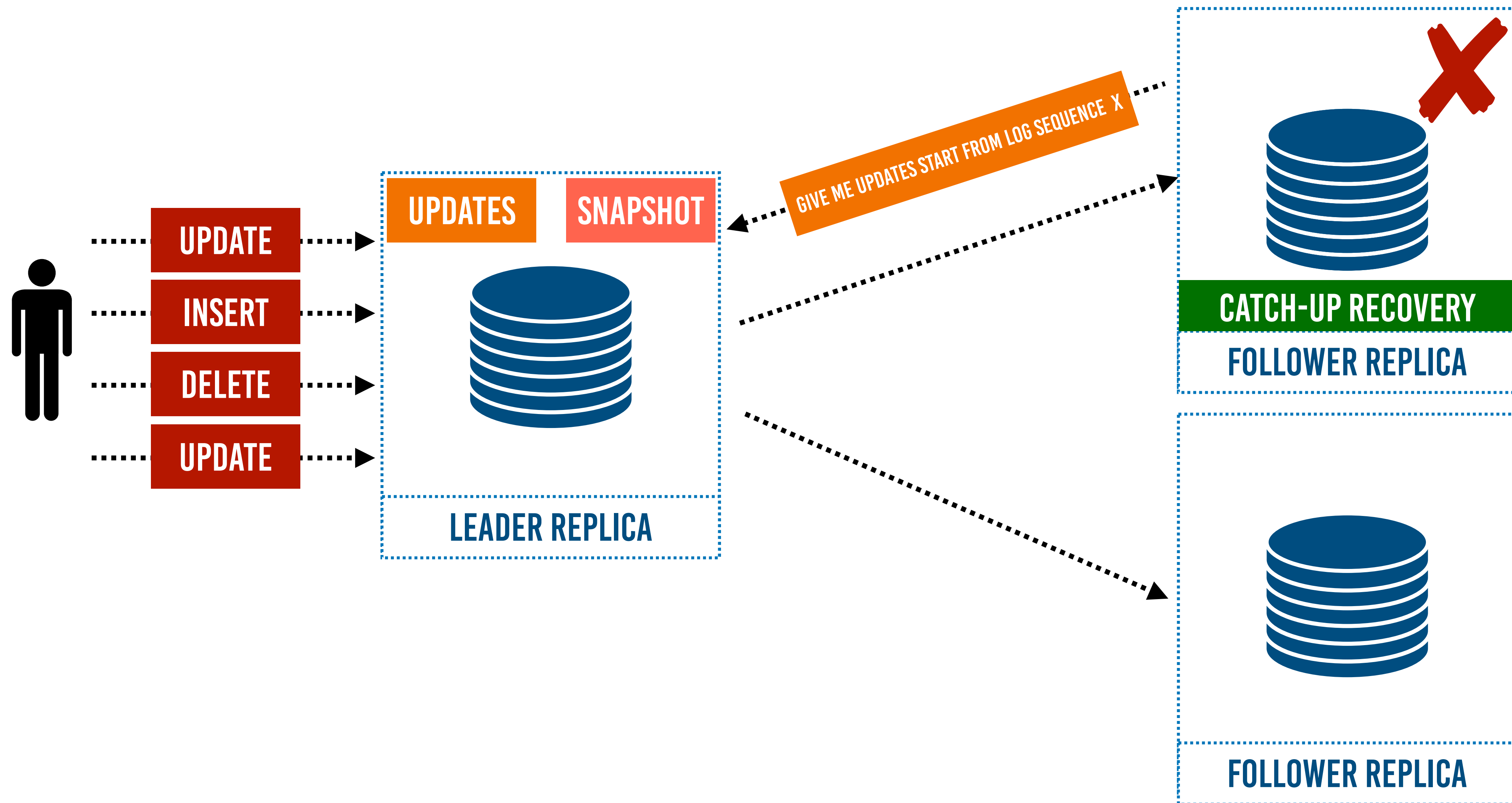
LEADER-BASED REPLICATION S CHAPTER?



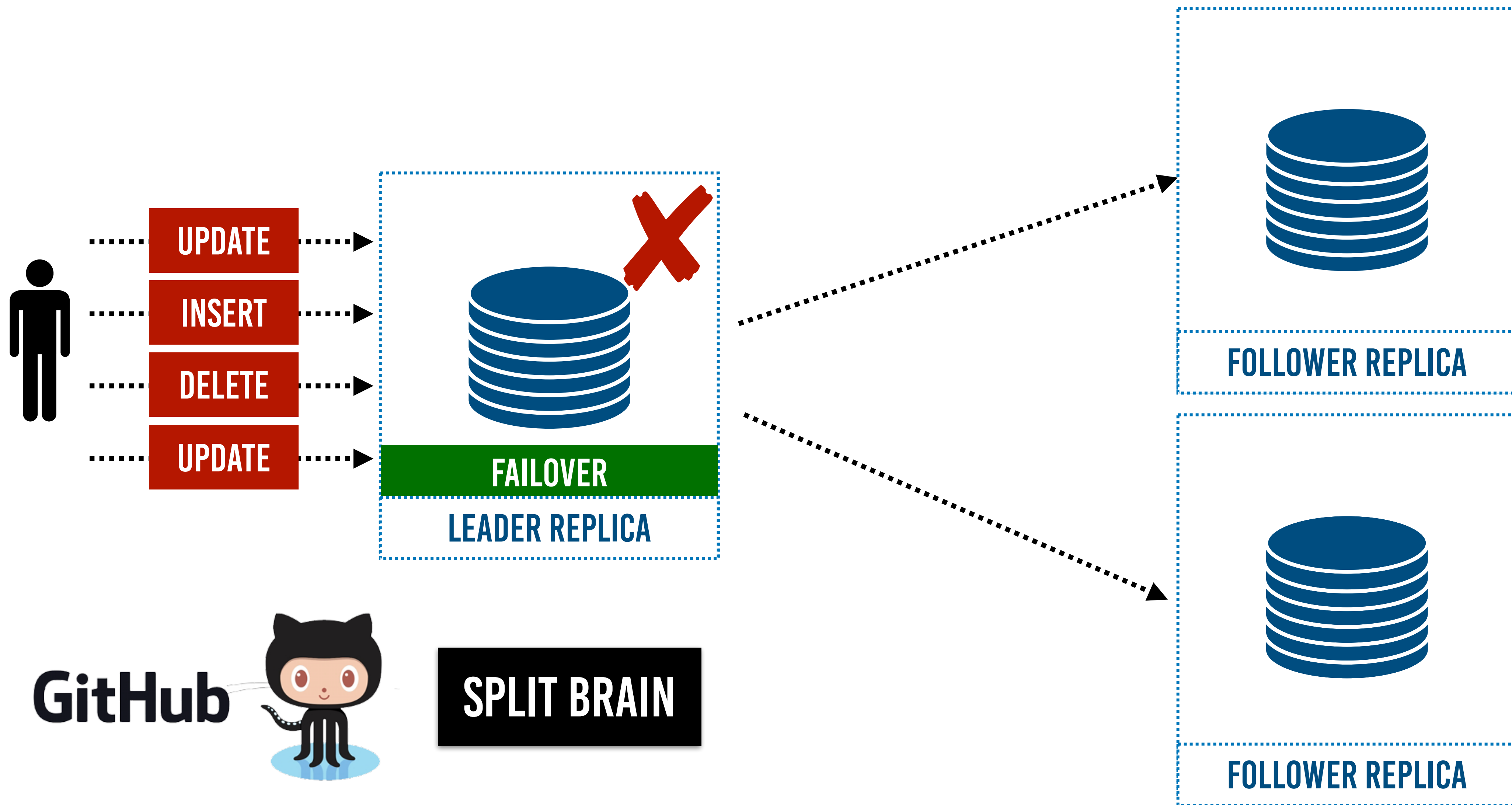
LEADER-BASED REPLICATION S CHAPTER?



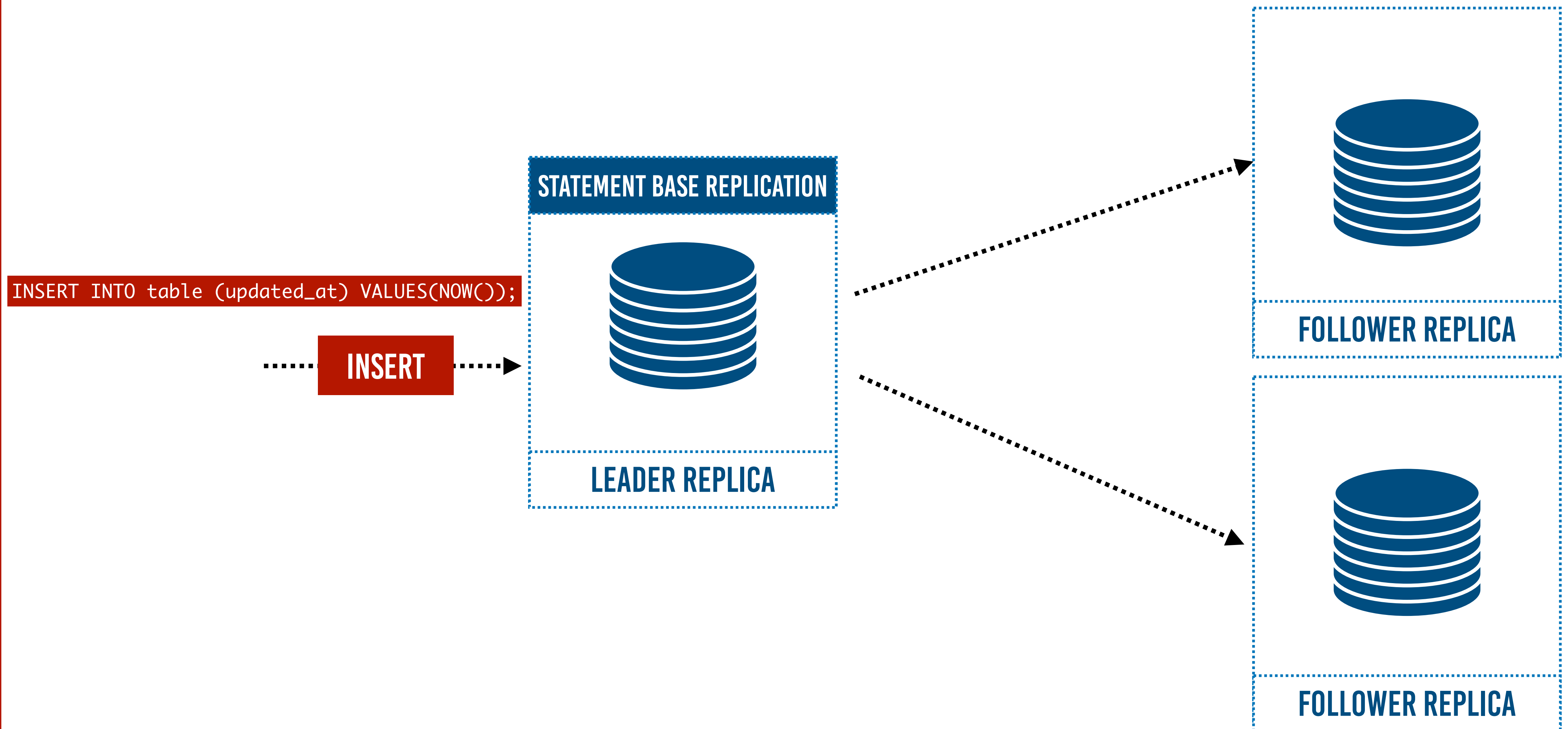
HOW TO BUILD NEW FOLLOWER REPLICA?



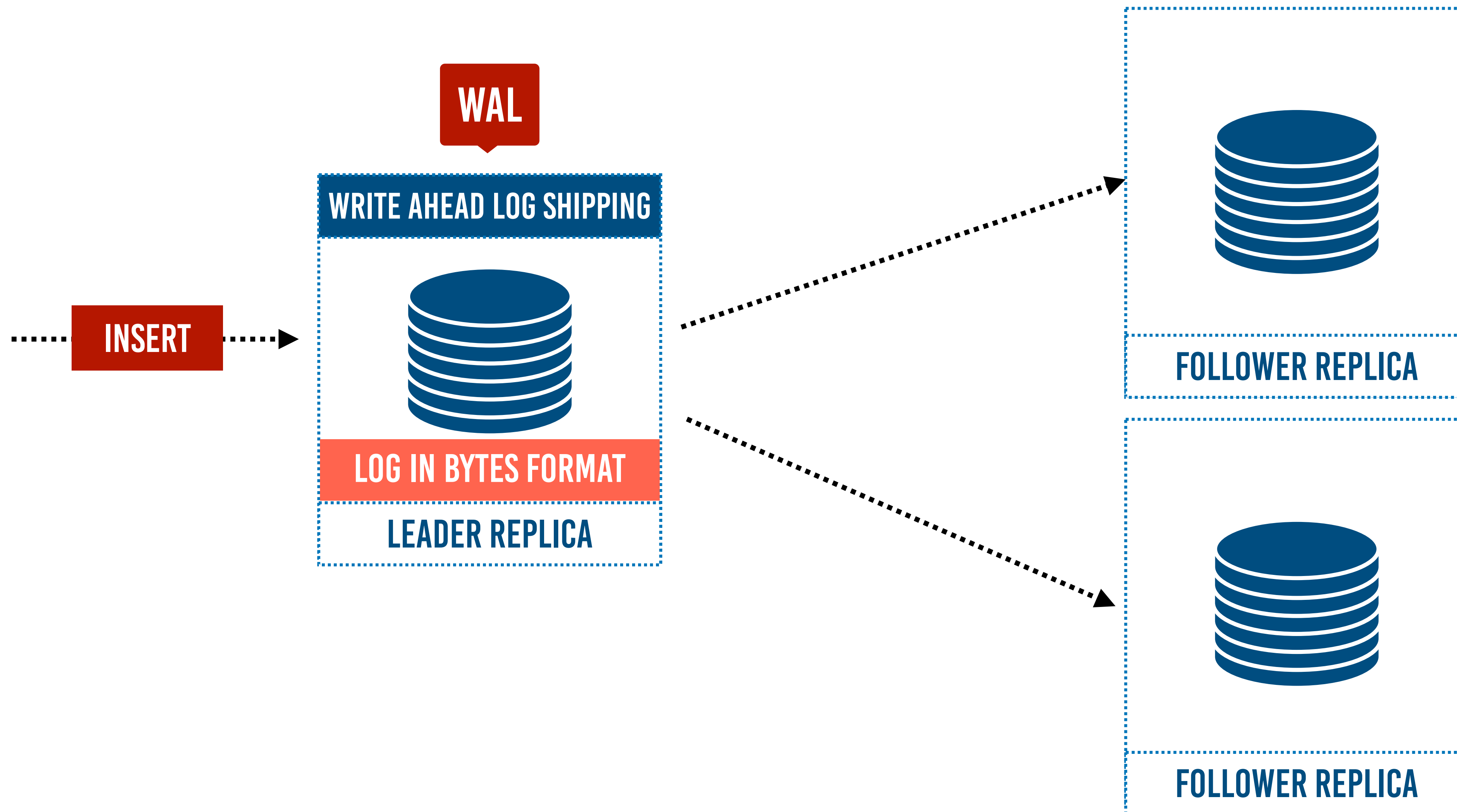
HOW TO BUILD NEW **LEADER** REPLICA?



HOW LEADER SEND THE UPDATES TO FOLLOWERS?



HOW LEADER SEND THE UPDATES TO FOLLOWERS?



HOW LEADER SEND THE UPDATES TO FOLLOWERS?

