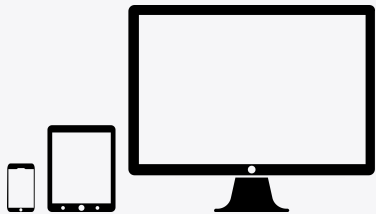


System Design Fundamentals

Sharding

Client Application



Network Layer



Application Layer



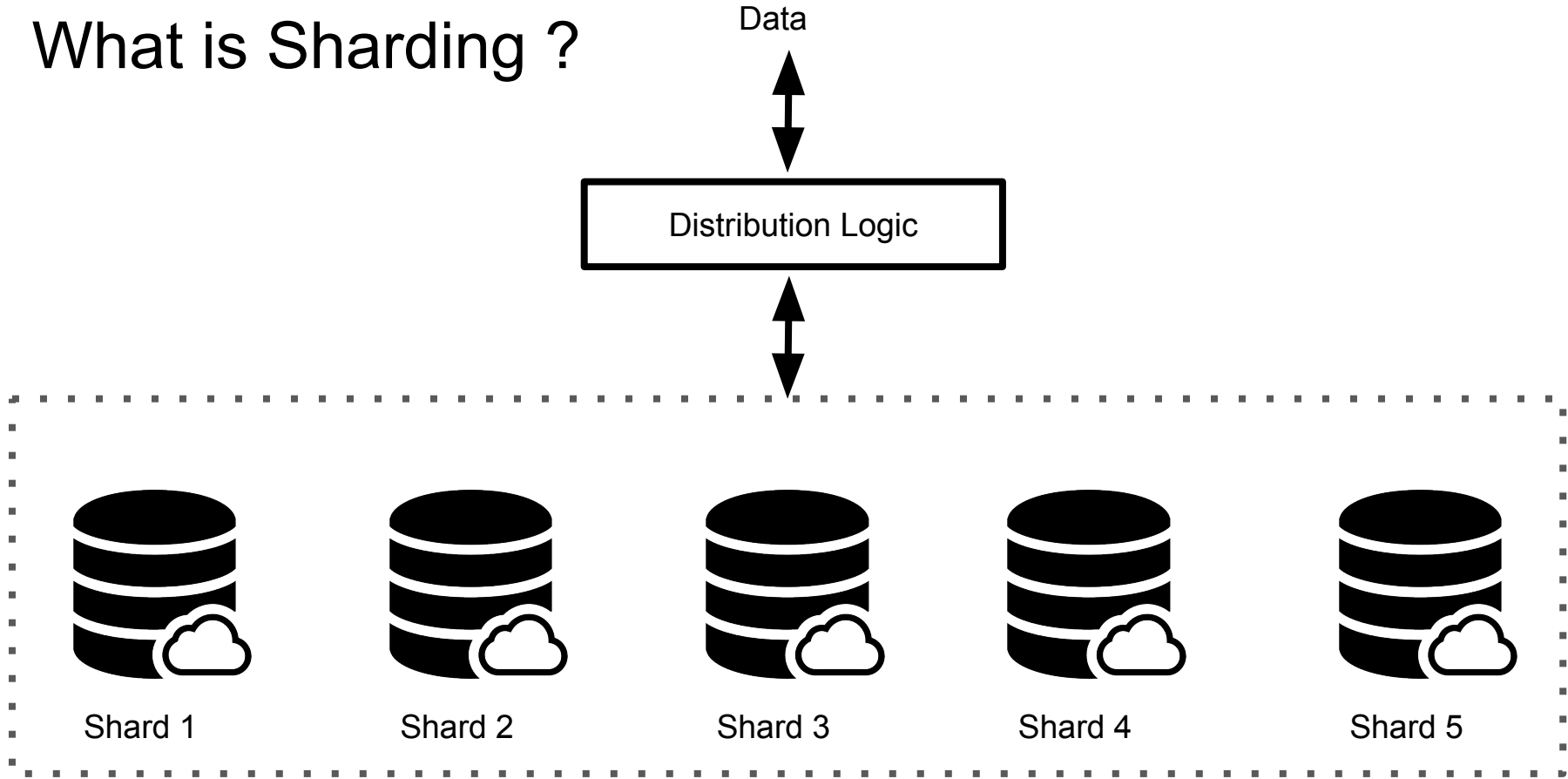
Cache Layer



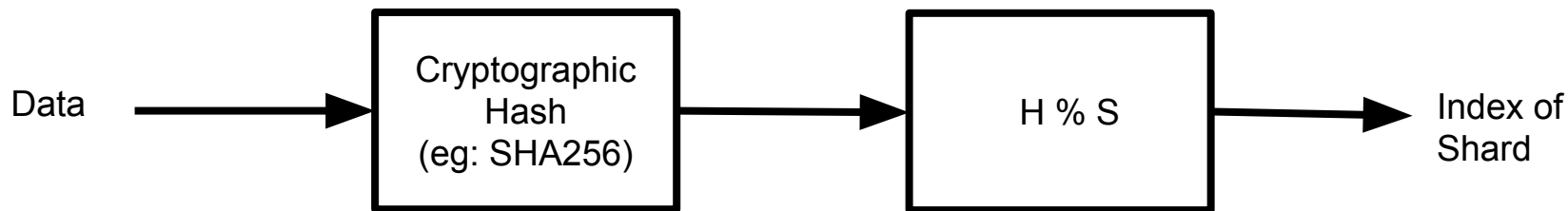
Database Layer



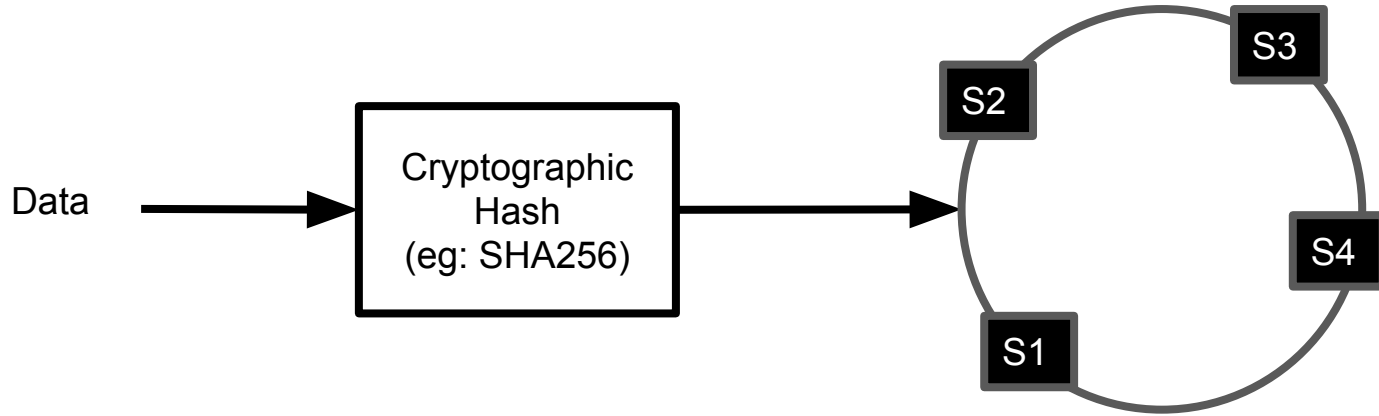
What is Sharding ?



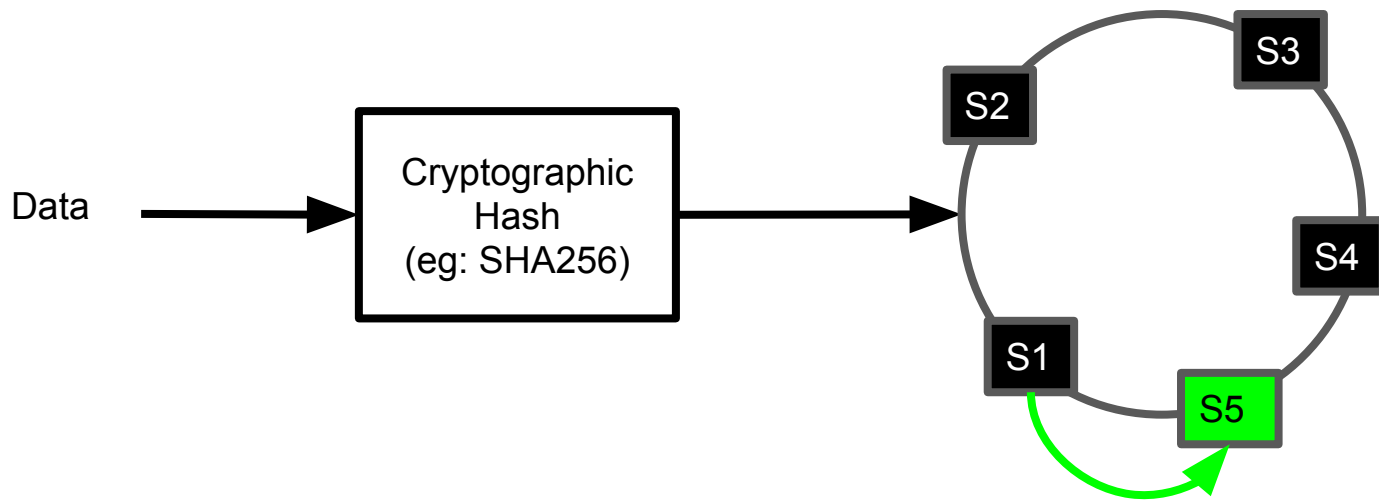
How to hash - Fixed no of shards S ?



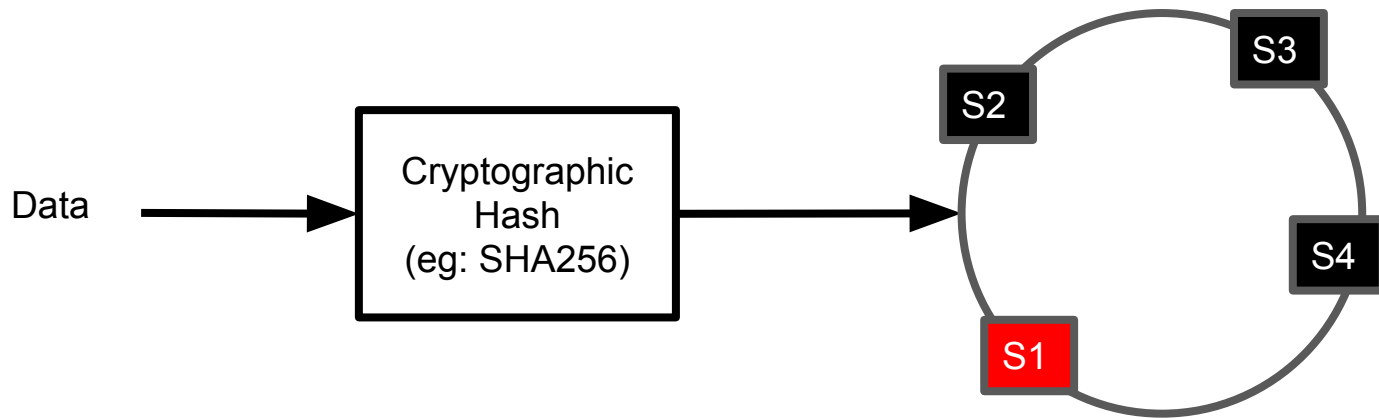
How to hash - Consistent Hashing ?



Consistent Hashing - Adding new shard



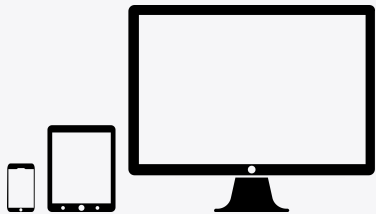
Consistent Hashing - Shard failure



System Design Fundamentals

Sharding

Client Application



Network Layer



Application Layer



Cache Layer



Database Layer

