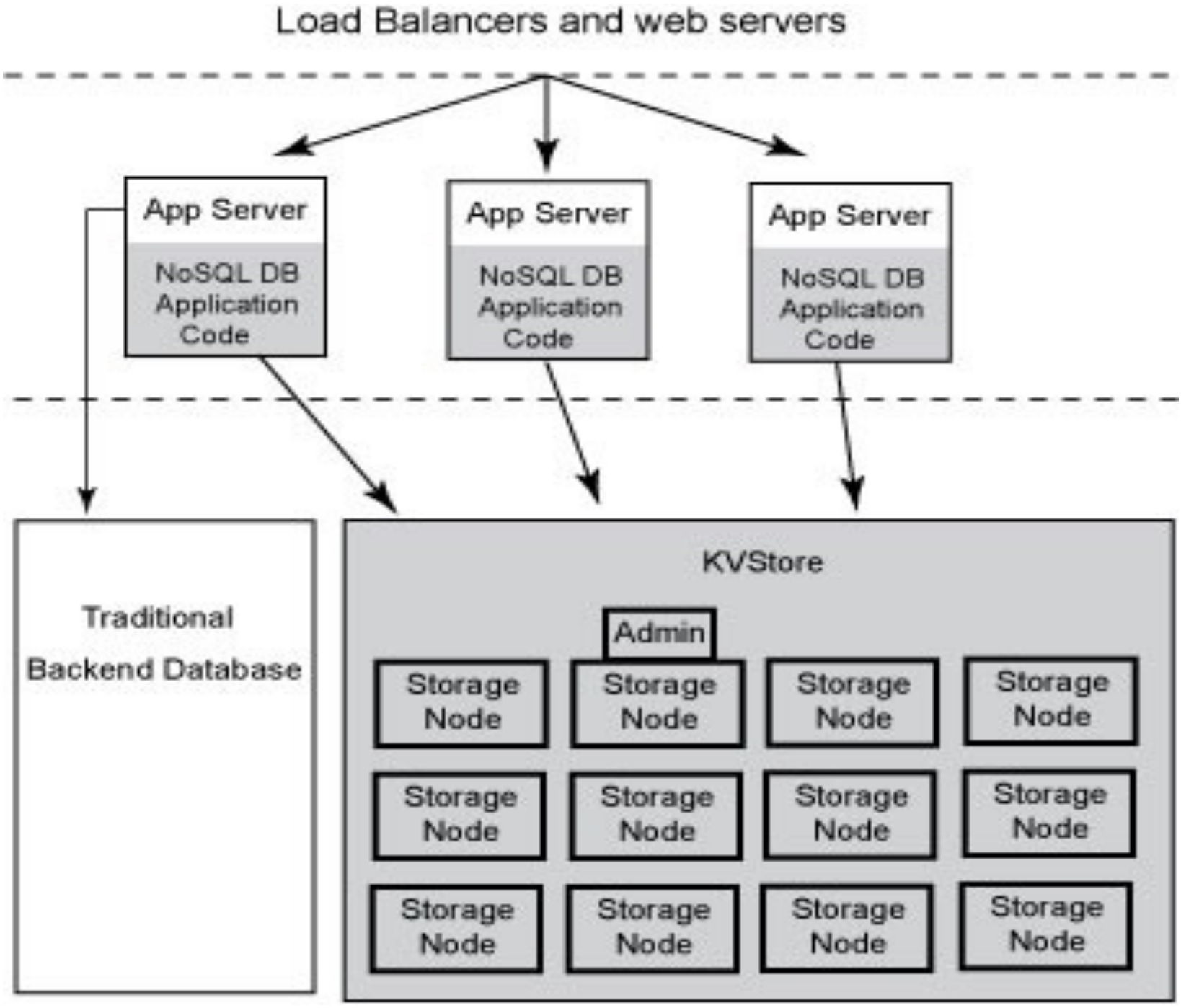
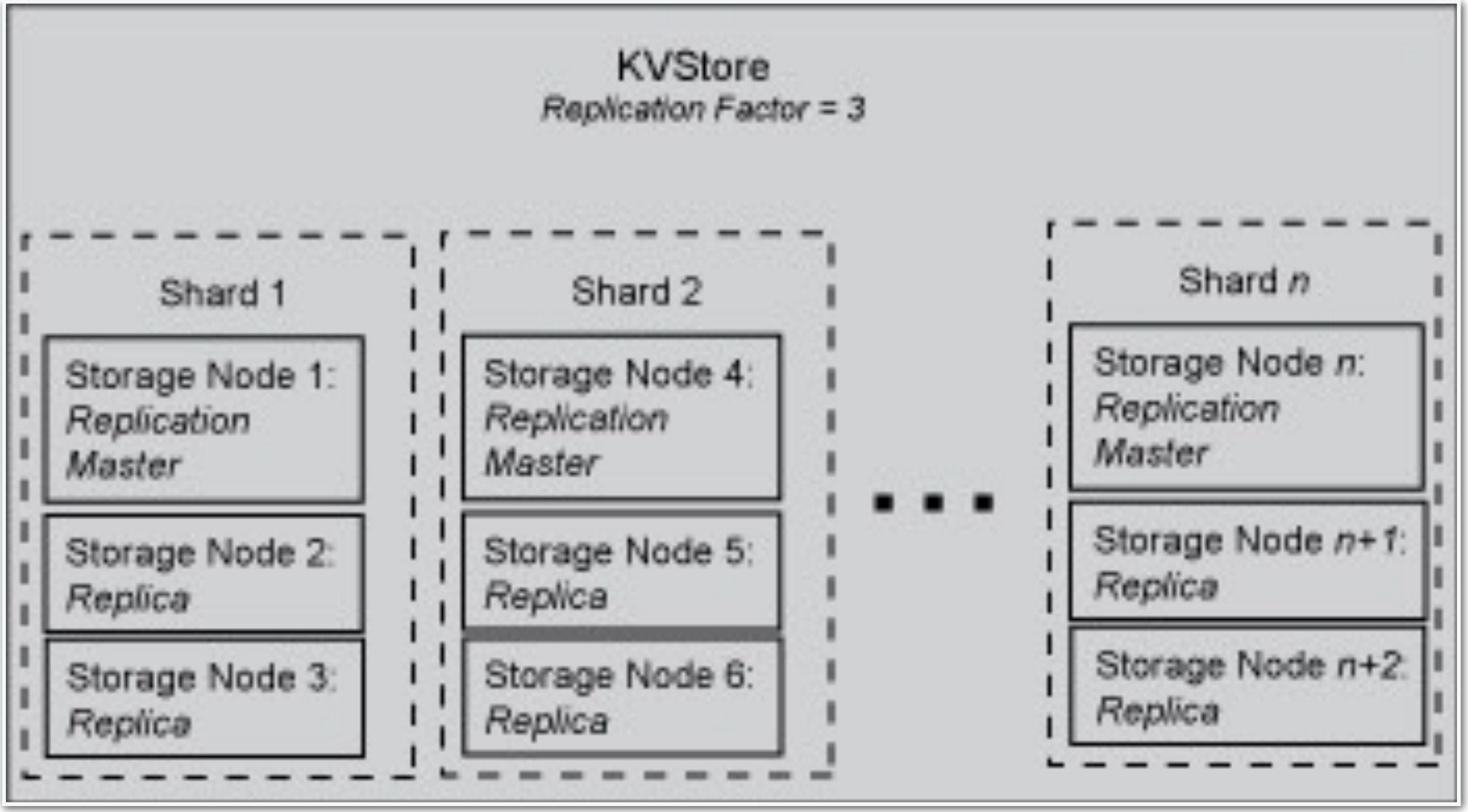
- KV Store
- Storage Nodes
- Replication Nodes


Load Balancers and web servers
App Server
NoSQL DB Application Code
App Server
NoSQL DB Application Code
App Server
NoSQL DB Application Code
Traditional Backend Database
KVStore
Admin
Storage Node
Storage Node
Storage Node
Storage Node
Storage Node
Storage Node
Storage Node
Storage Node
Storage Node
Storage Node
Storage Node
Storage Node


KVStore
Replication Factor = 3
Shard 1
Storage Node 1: Replication Master
Storage Node 2: Replica
Storage Node 3: Replica
Shard 2
Storage Node 4: Replication Master
Storage Node 5: Replica
Storage Node 6: Replica
Shard n
Storage Node n: Replication Master
Storage Node n+1: Replica
Storage Node n+2: Replica

- Sharding
- Replication Factor

Primary

Secondary

- Partitions
- Zones
- Topology