

AEROSPIKE NEXTGEN NOW SUMMIT '20

Discussion: Latest Innovations

AEROSPIKE



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Aerospike Database 5

First NoSQL Database for always-on globally distributed business transactions with multi-site clustering and strong consistency.

Global distributed transactions

- Multi-site clustering
- Accelerates business processes
- Active-active, always-on systems
- Conflict avoidance, no data loss

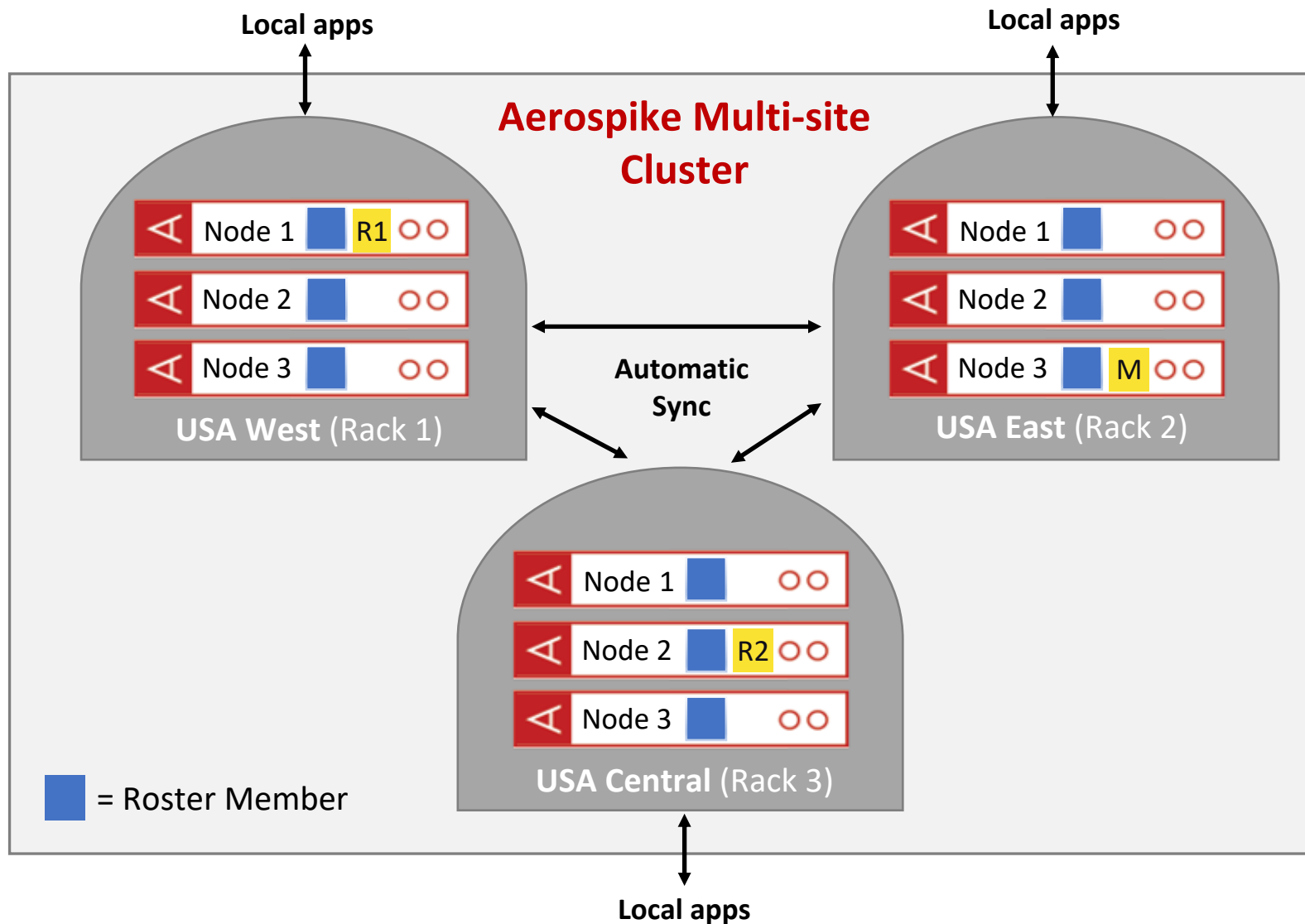
Geo-distributed data management

- New XDR with last-update-time (LUT) based shipping
- Active-active data hub linking the system of record with edge systems

Broaden transactional workloads

- Probabilistic types (Hyperloglog)
- Document-oriented (Complex data type)
- Developer oriented

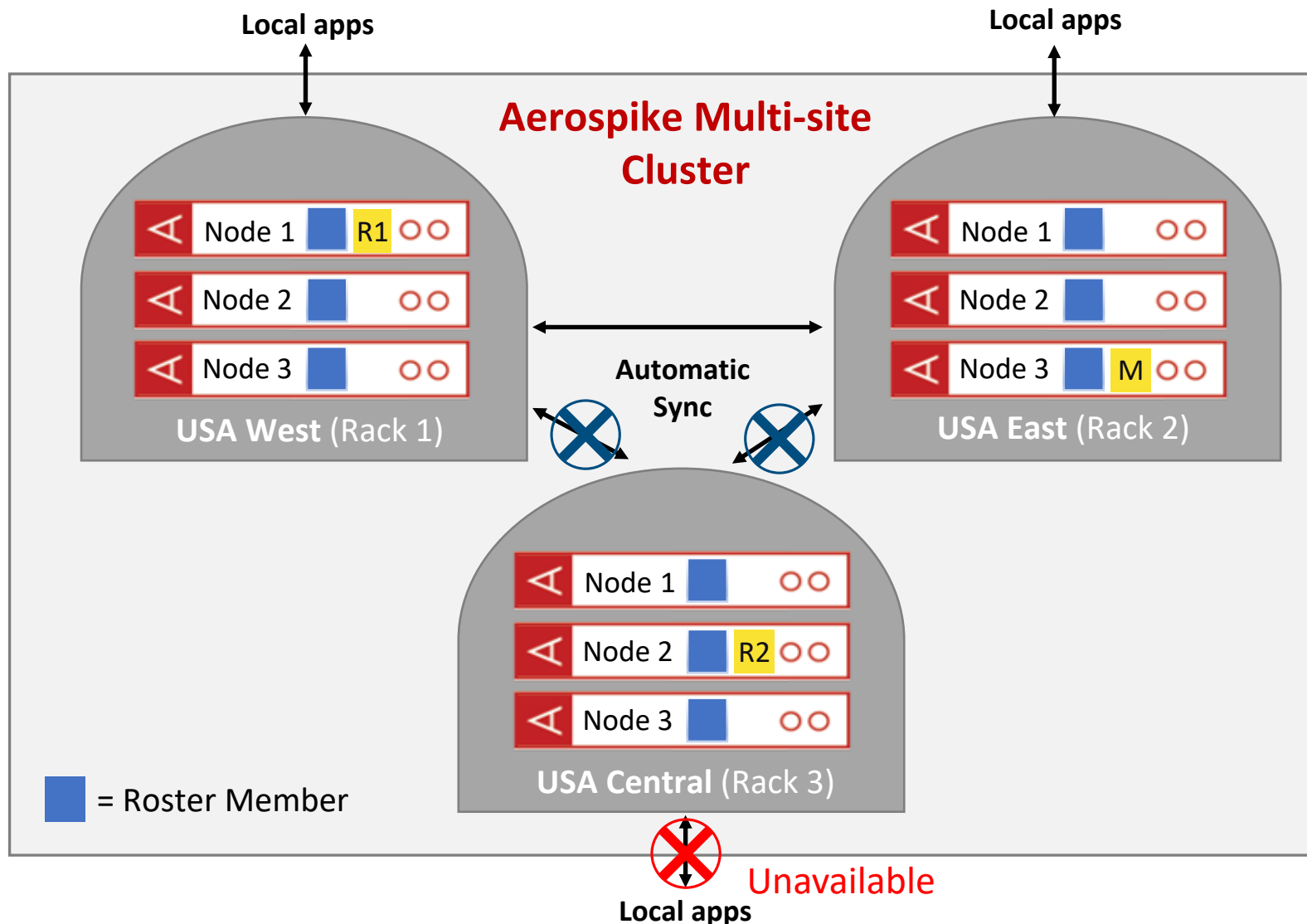
Multi-site clustering – 3 sites, 3 replicas



- ✓ Strong Consistency
- ✓ Linearizable isolation
- ✓ No writes lost
- ✓ Synchronous replication

Rack 1, 2 & 3 form cluster

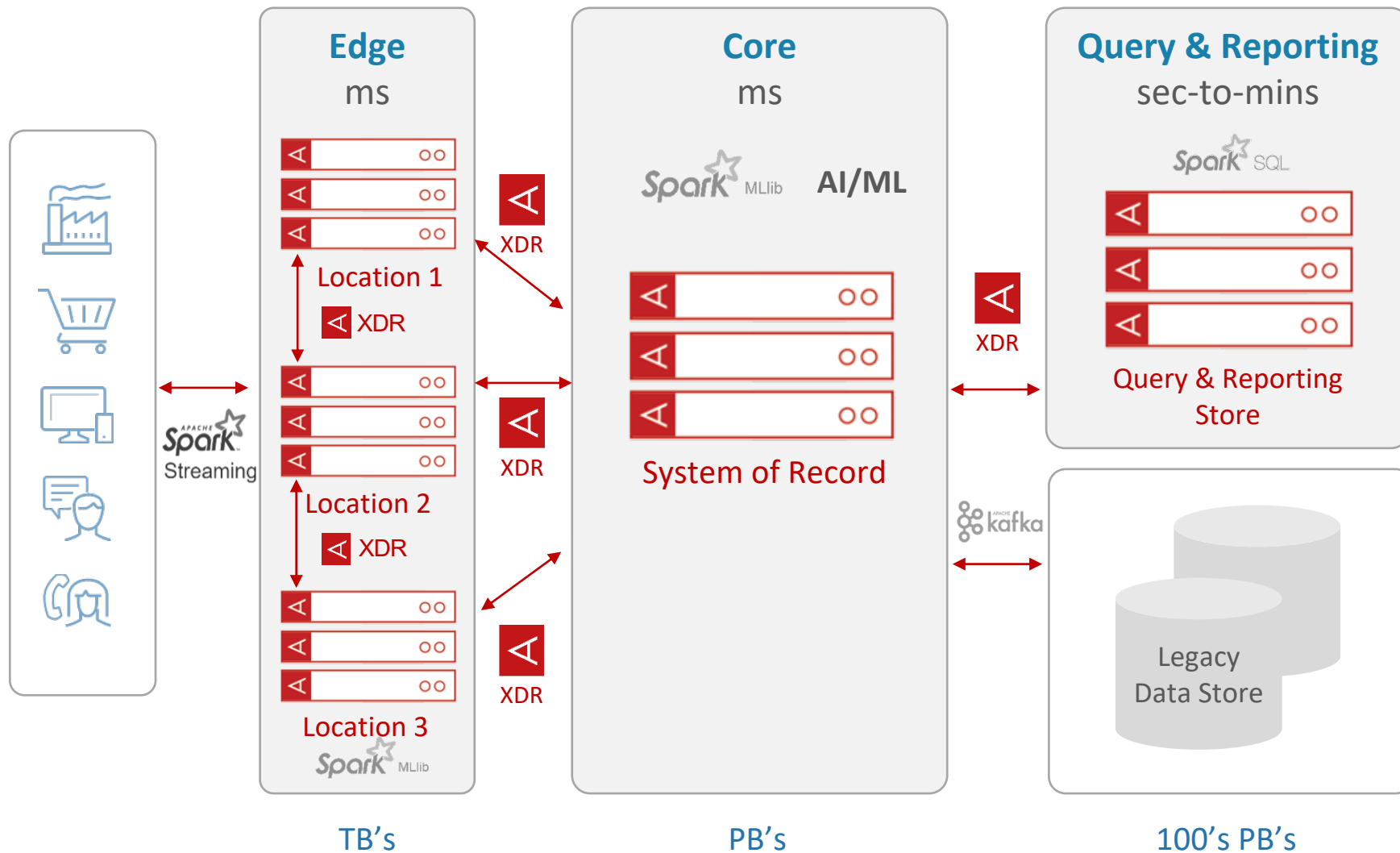
Multi-site clustering – site disconnected



- ✓ Strong Consistency
- ✓ Linearizable isolation
- ✓ No writes lost
- ✓ Synchronous replication
- ✓ No operator intervention
- ✓ Conflict avoidance

Rack 1 & 2 form cluster
Rack 3 is unavailable

Aerospike as data hub using XDR



- ✓ **Asynchronous replication**
- ✓ **Relaxed consistency**
- ✓ **Dynamic configuration**
- ✓ **Non-Aerospike connectors**

Questions?

Thank You.

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