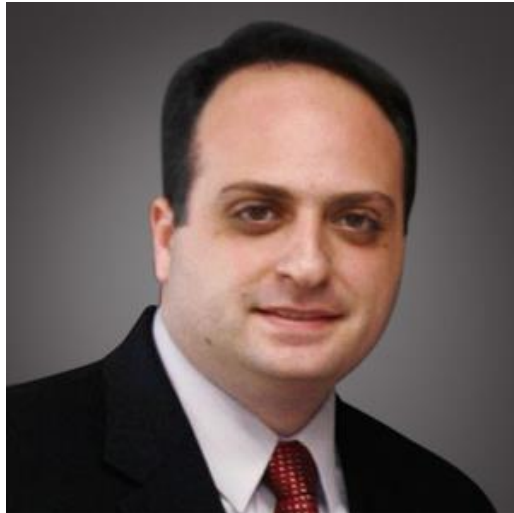


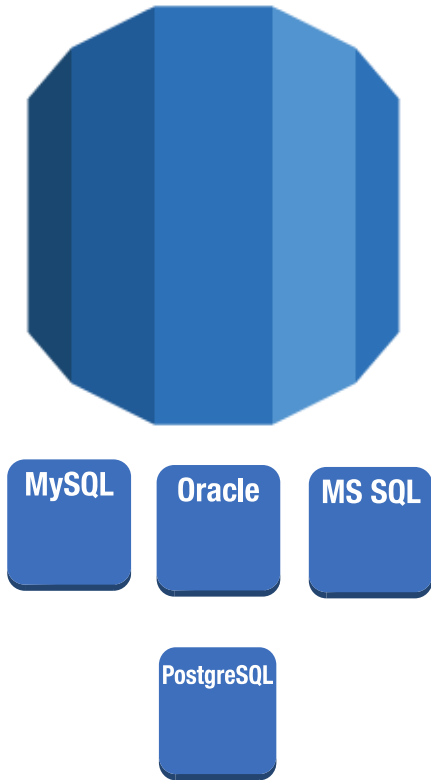
RDS HA and Load Sharing



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RDS Characteristics



Database engine managed by AWS

MySQL, Oracle, Microsoft SQL,
PostgreSQL, or Amazon Aurora

Multi-AZ deployment options

On-demand and reserved instance
pricing

Magnetic, GP-SSD, or PIOPS

Multi-AZ Failover



Multi-AZ RDS deployment designed for HA

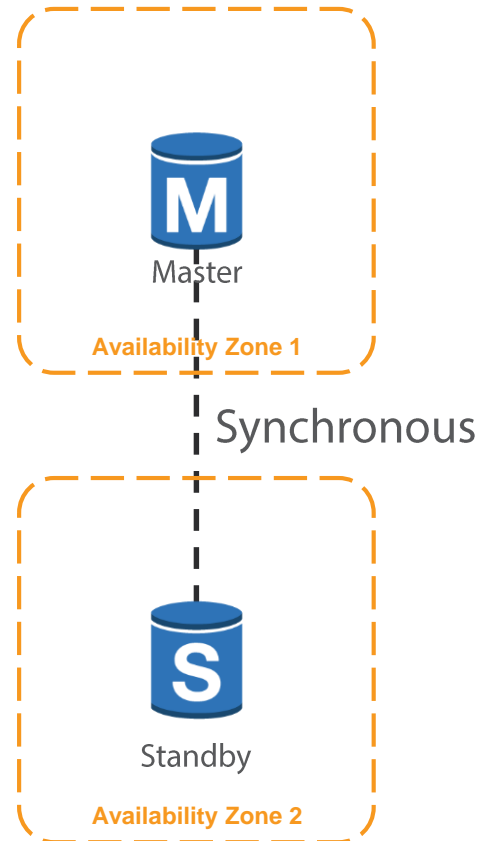
Synchronous replica in secondary AZ

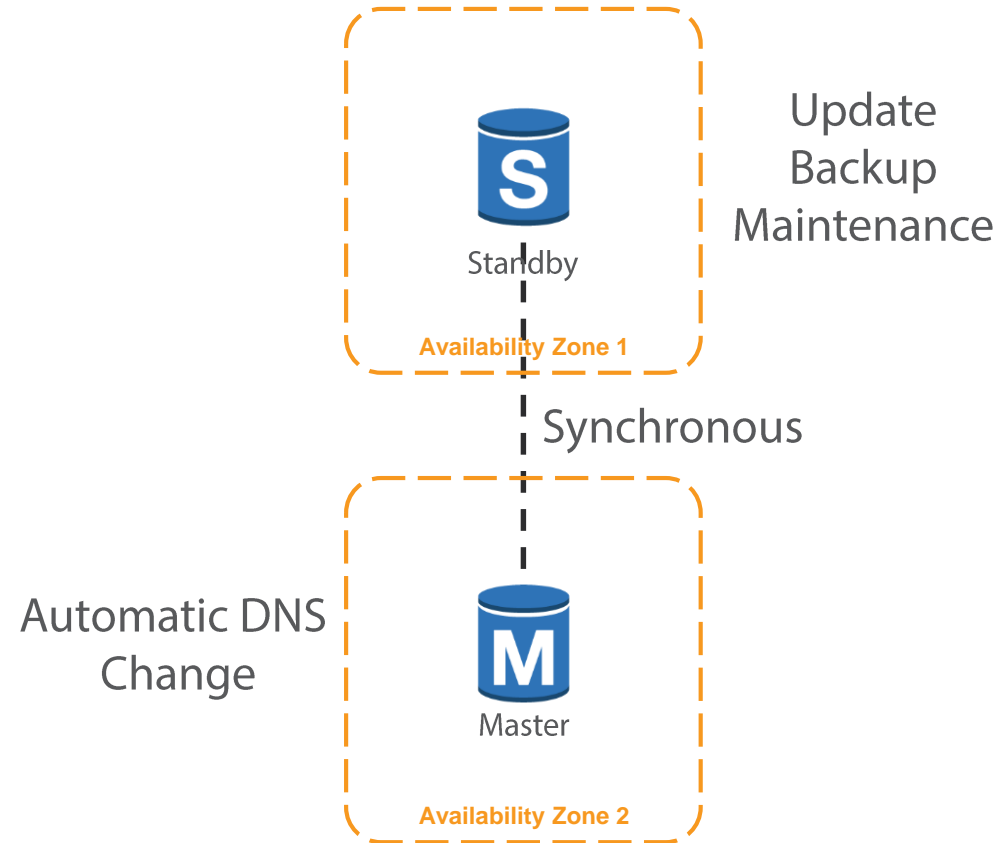
Standby replica RDS instance is invisible

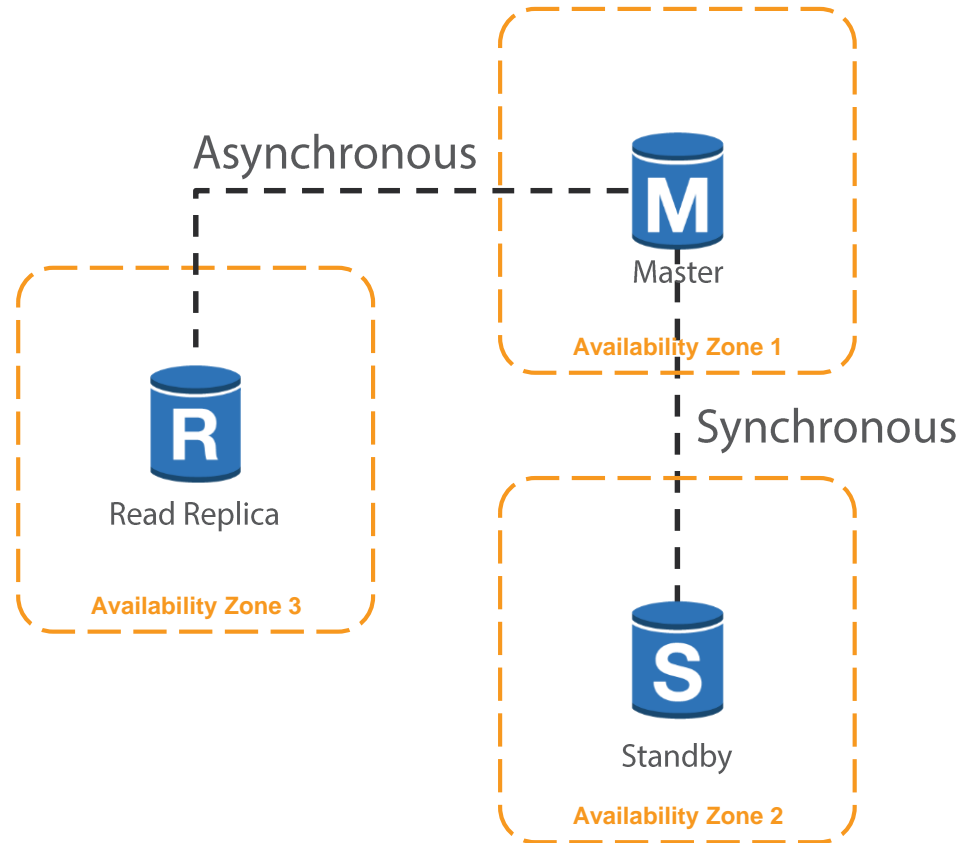
DB snapshots always taken against standby instance

AWS automatically adjusts DNS record when needed

Multi-AZ is different from an RDS read replica







RDS Read Replicas



Read replicas designed for workload sharing / offloading

Created from a snapshot of the master instance

Asynchronous replication / Read-only connections

Read-only disaster recovery

Summary



RDS characteristics

Multi-AZ failover

RDS read replicas