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Readable Standby Instance

1	Primary Purpose	1 High availability and disaster recovery, with automatic failover capabilities 2 Scaling read capacity and offloading read traffic from the primary instance
2	Replication Type	Synchronous replication, ensuring near real-time synchronization.
3	Failover Support	1 Supports automatic failover. 2 The standby instance can take over as the primary if the main instance fails.
4	Read/Write Capability	Primarily read-only in standby mode but switches to read-write during failover
5	Location of Instance	Deployed in a different Availability Zone (AZ) from the primary for high availability
6	Use Case	Ideal for high availability needs where failover is essential to minimize downtime.
7	Promotion to Primary	Automatically becomes the primary instance during failover

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Read Replica

1	Primary Purpose	Scaling read capacity and offloading read traffic from the primary instance
2	Replication Type	Asynchronous replication, allowing for a small lag in data
3	Failover Support	1 Does not support automatic failover. 2 Requires manual promotion if needed
4	Read/Write Capability	1 Read-only. 2 Used exclusively for read queries unless promoted to a primary.
5	Location of Instance	Can be deployed in the same or different regions as the primary
6	Use Case	Ideal for read-heavy applications needing to scale read operations
7	Promotion to Primary	Manual promotion to primary instance (if needed) but is not automatic