



1 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	

2 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	