



1 Local Secondary Index (LSI)

1	Scope	Used the same Partition Key as the main table)
2	Sort Key	Requires a new Sort Key while retaining the existing Partition Key
3	When Defined	Must be defined at the time of table creation
4	Number of Indexes Allowed	Up to 5 LSIs per table
5	Capacity Mode	Shares the main table's read and write capacity
6	Query Flexibility	Limited to querying within a single partition
7	Data Consistency	Always strongly consistent
8	Use Case	Ideal for enabling additional query patterns within the same partition
9	Storage Costs	Shares storage with the main table (no extra storage costs)

2 Global Secondary Index (GSI)

1	Scope	Can have a different Partition Key from the main table)
2	Sort Key	Requires both a new Partition Key and an optional Sort Key
3	When Defined	Can be created anytime after the table is created
4	Number of Indexes Allowed	Up to 20 GSIs per table
5	Capacity Mode	Has its own dedicated read and write capacity (provisioned or on-demand)
6	Query Flexibility	Allows queries across the entire table, offering broader query flexibility
7	Data Consistency	Eventually consistent
8	Use Case	Ideal for enabling entirely new query patterns across all partition
9	Storage Costs	Consumes additional storage for indexed attributes