solar puts index (secondary) to cassandra for retrieving by additional key.

Ex: In employee table, Cassandra will have partition(primary) key on firstName.

But if I want to search by lastName and other fields, I can go for secondary index.

Cassandra allows read only by key. Ex: if a table has 10 columns, whichever column is indexed I can retrieve. So solr comes to the rescue.

Solar is the driver on top of Cassandra, which adds indexing functionality.

**How to Add new index or column to the table?**

1. Solar exposes Rest APIs update the schema, add index, add columns feature (or)
2. Connect to the Solar node directly, update the index or add column using CRUD statements.

**Solar Rest Commands:**

1) curl http://10.247.198.239:8983/solr/resource/glb\_partner\_api\_orders\_stg0.order\_audit\_new/solrconfig.xml --data-binary @solrconfig.xml -H 'Content-type:text/xml; charset=utf-8'

2) curl http://10.247.198.239:8983/solr/resource/glb\_partner\_api\_orders\_stg0.order\_audit\_new/schema.xml --data-binary @schema.xml -H 'Content-type:text/xml; charset=utf-8'

3) curl "http://10.247.198.239:8983/solr/admin/cores?action=CREATE&name=glb\_partner\_api\_orders\_stg0.order\_audit\_new&distributed=true"

4) curl "http://10.247.198.239:8983/solr/admin/cores?action=RELOAD&name=glb\_partner\_api\_orders\_stg0.order\_audit\_new&distributed=true"