# Use Case:

**Here ,the need of the hour is to do a POC around CDC concept. change data capture is a concept in which if a new record is inserted in a table then its taken as change in source . lets elaborate the same by below step.**

1) Connect to a rdbms (mysql)

2) Connect to a tablespace/databas(pocTest)

3) Create a small table schema

CREATE TABLE Persons ( Id int NOT NULL AUTO\_INCREMENT, LastName varchar(255) NOT NULL, FirstName varchar(255), ts TIMESTAMP DEFAULT CURRENT\_TIMESTAMP NOT NULL ,PRIMARY KEY (Id) );

3) create source properties(/tmp/mysql-source.properties)

4) start schemregistry

./schema-registry-start ../etc/schema-registry/schema-registry.properties

5) configure the source properties file with below content

name=TSPL\_test-source-mysql-jdbc-autoincrement

connector.class=io.confluent.connect.jdbc.JdbcSourceConnector

tasks.max=1

connection.url=jdbc:mysql://127.0.0.1:3306/pocTest?user=root&password=mahua

table.whitelist=accounts,persons

#query=select \* from accounts

#mode=incrementing

mode=timestamp

timestamp.column.name=ts

incrementing.column.name=id

topic.prefix=test-

6) start the connector: connect-standalone ../etc/schema-registry/connect-avro-standalone.properties /tmp/mysql-source.properties

7) insert some data on table

insert into Persons(LastName,FirstName) values('dasgupta','mahua');

8)./kafka-avro-console-consumer --bootstrap-server localhost:9092 --topic test-Persons --from-beginning

it should start showing below.

{"Id":1,"LastName":"dasgupta","FirstName":{"string":"mahua"},"ts":1525288606000}

9) repeat 7 coupl of times , watch the automnatic update on the step 8

{"Id":1,"LastName":"dasgupta","FirstName":{"string":"mahua"},"ts":1525288606000}

{"Id":2,"LastName":"dasgupta","FirstName":{"string":"khounish"},"ts":1525289068000}