Static Partitioning in Hive

- Create static partitioned table for the cases table -

  - **create table cases_part_static(Case_Id int, Hospital_Code int, Patient_Id int, Ward_Type char(1), Ward_Facility_Code char(1), Bed_Grade int, Type_of_Admission string, Visitors_with_Patient int, Age_Group string, Admission_Deposit float, Stay string)**

    partitioned by (Department string, Severity_of_Illness string)

    row format delimited

    fields terminated by '$'

    TBLPROPERTIES ("serialization.null.format"="");

- To load data into a Statically partitioned Hive table, we need to manually insert the data. Also, we will need a non-partitioned table originally from where we can insert data into the statically partitioned table.

- Manually insert data from this non-partitioned table into the partitioned table, one partition at a time.

  - **insert into cases_part_static partition (department='anesthesia', severity_of_illness='Extreme') select Case_Id, Hospital_Code, Patient_Id, Ward_Type, Ward_Facility_Code, Bed_Grade, Type_of_Admission, Visitors_with_Patient, Age_Group, Admission_Deposit, Stay from cases_non_part where department='anesthesia' and severity_of_illness='Extreme';**

- Notice the insert time over here is much less than in dynamic partitioning.

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