Importing JSON Data in HIVE using Native Functions

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Input Data is in JSON format
[{"id":1, "first name": "Alexandrina", "email": "abalding0@goo.ne.jp", "date":
"9/11/2016", "country": "Nigeria"},
{"id":2, "first name": "Craggie", "email": "ctremain1@photobucket.com", "date"
:"12/7/2016", "country": "China"},
{"id":3, "first name": "Allie", "email": "adearan2@ycombinator.com", "date": "1
0/31/2016", "country": "Russia"},
{"id":4,"first name":"Poul","email":"psondland3@mlb.com","date":"9/11/201
6", "country": "Nigeria"},
{"id":5, "first name": "Delmor", "email": "dbrion4@behance.net", "date": "9/6/2
016", "country": "Philippines"},
{"id":6, "first name": "Verine", "email": "vmcquorkell5@upenn.edu", "date": "9/
22/2016", "country": "China" } ]
   1. Creating intermediate table to store the data
CREATE TABLE format.json_table (json string);
LOAD DATA INPATH '/user/cloudera/JSON/MOCK DATA.json' INTO TABLE
json table;
Since there are no delimiters, we leave off the ROW FORMAT section of the
table DDL
Built in function #1: get json object
The get json object takes two arguments: tablename.fieldname and the JSON
field to parse, where '$' represents the root of the document.
1.select get_json_object(json_table.json, '$') from json_table;
Returns the full JSON document.
2. Prepare final table and load the data within
SET hive.exec.dynamic.partition= true;
SET hive.exec.dynamic.partition.mode= nonstrict;
Create table format.prtn json (id int, name string, email string)
partitioned by (date string, country string)
row format delimited fields terminated by '\t'
stored as textfile;
INSERT OVERWRITE TABLE format.prtn json
partition (date, country)
select get json object(json table.json, '$.id') as id,
get json object(json table.json, '$.first name') as name,
get json object(json table.json, '$.email') as email,
get json object(json table.json, '$.date') as date,
get_json_object(json_table.json, '$.country') as country from
format.json_table;
Output:
hive (format) > dfs -ls /user/hive/warehouse/format.db/prtn json;
```

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Found 30 items

drwxrwxrwx - cloudera supergroup 0 2017-04-25 17:06
/user/hive/warehouse/format.db/prtn_json/date=10%2F22%2F2016
drwxrwxrwx - cloudera supergroup 0 2017-04-25 17:06
/user/hive/warehouse/format.db/prtn_json/date=10%2F31%2F2016
drwxrwxrwx - cloudera supergroup 0 2017-04-25 17:06
/user/hive/warehouse/format.db/prtn_json/date=10%2F9%2F2016
drwxrwxrwx - cloudera supergroup 0 2017-04-25 17:06
/user/hive/warehouse/format.db/prtn_json/date=11%2F3%2F2016
..etc
```

For nested inputs like structs, tuples use SerDes