

Item 379

git_comments:

git_commits:

1. **summary:** [Carbondata-3954] Fix insertion from ORC table into carbon table when sort scope is global sort
message: [Carbondata-3954] Fix insertion from ORC table into carbon table when sort scope is global sort Why is this PR needed? Loading records from ORC table having null values into carbon table having sort scope as global sort gives NPE. What changes were proposed in this PR? Added null check for arrayType and mapType before writing the data into byteArrays Does this PR introduce any user interface change? No Is any new testcase added? Yes This closes #3979

github_issues:

github_issues_comments:

github_pulls:

1. **title:** [Carbondata-3954] Fix insertion from ORC table into carbon table when sort scope is global sort
body: #### Why is this PR needed? Loading records from ORC table having null values into carbon table having sort scope as global sort gives NPE. #### What changes were proposed in this PR? Added null check for arrayType and mapType before writing the data into byteArrays #### Does this PR introduce any user interface change? - No #### Is any new testcase added? - Yes

github_pulls_comments:

1. Build Success with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2622/
2. Build Success with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4372/>
3. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4436/>
4. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2683/
5. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2765/
6. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4519/>
7. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2778/
8. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4532/>
9. retest this please
10. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2782/
11. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4536/>
12. retest this please
13. Build Success with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4558/>
14. retest this please
15. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2808/
16. retest this please
17. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2817/
18. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4569/>

19. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4574/>
20. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2825/
21. retest this please
22. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4580/>
23. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4583/>
24. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2832/
25. retest this please
26. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4625/>
27. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2870/
28. Build Failed with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4641/>
29. Build Failed with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2885/
30. please fix scala style issue
31. Build Success with Spark 2.3.4, Please check CI
<http://121.244.95.60:12545/job/ApacheCarbonPRBuilder2.3/4657/>
32. Build Success with Spark 2.4.5, Please check CI
http://121.244.95.60:12545/job/ApacheCarbon_PR_Builder_2.4.5/2901/
33. LGTM

github_pulls_reviews:

1. please do a select query and compare orc and carbon table results
2. after line 1011, add a check that if data type is array or struct or map and the data is null, return null to avoid changing many lines.
3. please handle and verify 4 scenarios by comparing with ORC. a) local sort insert with complex type null value data b) global sort insert with complex type null value data c) same point a) with ``carbon.enable.bad.record.handling.for.insert` as `true`` d) same point b) with ``carbon.enable.bad.record.handling.for.insert` as `true``
4. Done
5. Done
6. Done
7. check with `objectDataType.isComplexType`
8. `DataType` is a spark class here. It doesn't have `isComplexType` method.
9. ok

jira_issues:

jira_issues_comments: