

[CosmosDB] Date format is not supported while writing to CosmosDB Sink

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Issue

The customer is trying to add a column with date/datetime format while writing to CosmosDB sink. However, while previewing it is showing the right datatype however while writing to sink, the timestamp value is showing as epoch format.

Troubleshooting:

Cx is using derived columns in the ADF dataflow pipeline to add a few DateTime type columns to their cosmos DB sink. The pipeline was successful but the timestamp value as the epoch format at the sink.

The screenshot shows the Azure Data Factory Data Preview interface. The top navigation bar includes 'Validate', 'Data flow debug', and 'Debug Settings'. The dataflow pipeline consists of several steps: 'source1' (Import data from CosmosDbSqlApiCollection1), 'derivedColumn1' (Creating/updating the columns 'createdOn, modifiedOn'), 'select2' (Renaming derivedColumn1 to select2 with columns 'createdOn, modifiedOn'), 'alterRow1' (Add expressions to alter rows), and 'sink1' (Write order: 1, Columns: 2 total). The 'Data preview' tab is selected, showing a table with columns 'createdOn' and 'modifiedOn'. The table contains four rows of data, all with timestamps in epoch format (e.g., '2022-08-23 09:54:41...'). The interface also shows a summary of row counts: INSERT 0, UPDATE 0, DELETE 0, UPSERT 0, LOOKUP 0, ERROR 0, and TOTAL 0.

createdOn	modifiedOn
2022-08-23 09:54:41...	2022-08-23 09:54:41...
2022-08-23 09:54:41...	2022-08-23 09:54:41...
2022-08-23 09:54:41...	2022-08-23 09:54:41...
2022-08-23 09:54:41...	2022-08-23 09:54:41...

Output at the cosmos sink side, where we can see the created on and modified on column having epoc format.

```
"createdOn": 1658909385298,  
"customerResponsibleIsChiefOfExecutive": false,  
"customerResponsibleIsSalesManager": false,  
"ifsActivityId": 15,  
"_attachments": "attachments/",  
"activityId": "INK2",  
"customerType": "B",  
"modifiedOn": 1658909385298,
```

Recommendation

Cosmos DB is JSON format, which does not have date format, it is a string that is written for date columns, user can use derived column or cast transformation to convert columns to date.

How good have you found this content?

