

[CosmosDB] - Query with parameter does not work

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

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Background

Mapping data flows in Azure Data Factory support the use of parameters. The parameter values are set by the calling pipeline via the Execute Data Flow activity, use parameter make customers' data flows general-purpose, flexible, and reusable. Customer can parameterize data flow settings and expressions with these parameters.

<https://docs.microsoft.com/en-us/azure/data-factory/parameters-data-flow> 

Issue

After customer set parameters and use it in the query of dataflow source, it does not take effective.

Root Cause

Customer error with wrong configuration.

Resolution

Please ask customer to use following rules to set parameter in query, for details, please reference

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-data-flow-expression-builder> 

1. Do handle double quotes in the beginning of the SQL statement
2. Do handle single quotes around the parameter
3. Do handle in lower letter all CLAUSE statements

For example:

[Source settings](#)[Source options](#)[Projection](#)[Optimize](#)[Inspect](#)[Data preview](#) ●

Input

☐ Collection ☒ Query[Import projection](#)

Query

```
"select c.logVersion, c.promotionRequestId,
c.timestampUtc, c.derivedMeasurement,
c.derivedMeasurementTimestampUtc,
c.cohort.chid,c.cohort.hwid,c.cohort.os,c.type,
c.phase,c.details.measureId,c.details.measuredResult,
c.details.comparisonOperator,c.details.absoluteTarget,
c.details.target,c.details.actualPopulation,
c.details.targetPopulation,c.details.soi,c.details.severity = null ? 0 :
c.details.severity as severity,
c.originalResultStatus,c.resultStatus,c.overrideFlag,
c.note,c.id,c._rid,c._self,c._etag,c.attachments,c._ts from c where
is_defined(c.logVersion) and
c.details.measureId > 0 and c.details.target > 0
and c.cohort = null and c.timestampUtc > '{MaxTimestampByCategory}' "
```

Additional Information:

- Icm Reference: N/A
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- Keywords: