CDC Kusto Queries for troubleshooting

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Is the cleanup job running?

Setting the query period to 38 hours, which covers at least a full cleanup cycle. By default, the cleanup job is scheduled to run during the night, e.g. at 02:00 UTC.

```
MonCDCTraces
| where TIMESTAMP > ago(38h)
| where LogicalServerName == "servername"
| where logical_database_name == "databasename"
| where event == "cdc_cleanup_job_status"
| project TIMESTAMP, NodeName, AppName, LogicalServerName, logical_database_name, event, change_table_id, rete
| order by TIMESTAMP asc
| limit 5000
```

Is the capture job executing?

This query will show you if the capture job is running for the database, plus the performance metrics and LSNs that are documenting the capture progress.

```
MonCDCTraces
| where TIMESTAMP > ago(1h)
| where LogicalServerName == "servername"
| where logical_database_name == "databasename"
| where event == "cdc_session"
| project TIMESTAMP, NodeName, AppName, LogicalServerName, logical_database_name, event, session_id, duration,
| order by TIMESTAMP asc
| limit 5000
```

Has any CDC job encountered any errors?

This query is covering two scenarios: a regular job executing encountering an error, and having a separate error event logged.

```
MonCDCTraces
//| where TIMESTAMP > ago(1h)
| where LogicalServerName == "servername"
| where logical_database_name == "databasename"
| where (error_count > 0 or cleanup_error > 0 or error_number > 0) or event == "cdc_error" or event_type conta
| project TIMESTAMP, NodeName, AppName, LogicalServerName, logical_database_name, event, event_type, event_det
| order by TIMESTAMP asc
| limit 5000
```

Check Log Reader Agent activity

Log Reader information about the 7 phases of logscan (sp_replcmds) and the sp_repldone commit Log Sequence Numbers in repl_begin_lsn, repl_next_lsn:

```
MonLogReaderTraces
| where TIMESTAMP >= datetime(2022-04-22 09:0:00)
| where TIMESTAMP <= datetime(2022-04-22 18:00:00)
| where LogicalServerName == "servername"
| where logical_database_name == "databasename"
| project TIMESTAMP, NodeName, AppName, LogicalServerName, logical_database_name, event, phase_number, phase_s
| order by TIMESTAMP asc
| limit 5000
```

Can the customer see this information for themselves?

Yes, very similarly, by executing the following queries in their CDC-enabled database:

```
select * from sys.dm_cdc_log_scan_sessions
select * from sys.dm_cdc_errors
```

sys.dm_cdc_log_scan_sessions ⧉
sys.dm_cdc_errors ⧉

How good have you found this content?