DSS019 - Database object names with a '.', ... are not supported

Last updated by | Keith Elmore | Apr 5, 2021 at 7:57 AM PDT

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Symptom

Getting schema information for the sync failed with the exception 'Database object names with a '.', '[' or ']' are not supported. For more information, provide tracing ID '30a3a2a2-971d-46e6-ad3c-2081216968f1' to customer support.'

Analysis

DSS004 - Data Sync Health Checker can detect this.

or:

Since the data sync only collects table/column schemas, run below query to identify any table/column names contain the not supported characters:

```sql
SELECT table_schema,
       table_name,
       column_name
FROM   information_schema.columns
WHERE  table_name LIKE '%.%'
       OR table_name LIKE '%[[]%'
       OR table_name LIKE '%]%'
       OR column_name LIKE '%.%'
       OR column_name LIKE '%[[]%'
       OR column_name LIKE '%]%'
```
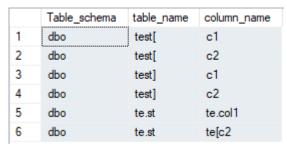
Example:

```sql
create table [te.st]([te.col1] int primary key, "te[c2" int)
create table "test[" (c1 int primary key, c2 int)
create table "test]" (c1 int primary key, c2 int)
```

The query result:

	Table_schema	table_name	column_name
1	dbo	test[	c1
2	dbo	test[	c2
3	dbo	test]	c1
4	dbo	test]	c2
5	dbo	te.st	te.col1
6	dbo	te.st	te[c2

Mitigation

Customer needs to change the object name to not contain those characters .

Another Supported workaround as follow (Updated: 2020-10-21):

This behavior is by design. If a database contains any object that has ".", "[", "]", '-', or any special characters with ASCII <= '-' in its name, getting database schema operation will fail.

There is no workaround. Adding these tables with special characters inside could cause data inconsistency. Please advise the customer to change their table names.

Classification

Root cause Tree - DataSync/User issue/error/SyncFail

How good have you found this content?

😊 🙁