DSS021 - Exceeding 24MB Limit for a Row

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Contents

Symptom

Sync failed due to 24MB limit for a row.

Error

Sync failed with the exception "Cannot enumerate changes at the RelationalSyncProvider for table 'X'. Check the inner exception for any store-specific errors.

Inner exception: **The row of size x KB from table 'X' cannot fit within the specified batch size of 24576KB.** Row ID values: ID = 656.

Consider increasing the value of RelationalSyncProvider.MemoryDataCacheSize for the source and destination providers.

> The workaround is to move the big data into blob storage and reference the blob from the database.

(Internal Only: Had a case where customer only had 2 too big rows and decided to reduce the data in the field.)

The following may help to assess the issue

You can use the following to get the top 30 rowsize rows

```
-- Get the top rowsize rows
declare @TableName nvarchar(128)
declare @PKcol nvarchar(128)
declare @sql nvarchar(max)
--initialize those two values
set @TableName = '[dbo].[TableA1]'
set @PKcol = 'Id'
set @sql = 'select TOP(30) ' + @PKcol +' , (0'
select @sql = @sql + ' + isnull(datalength([' + name + ']), 1)'
from sys.columns where object_id = object_id(@TableName)
set @sql = @sql + ') as rowsize from ' + @TableName + ' order by rowsize desc'
PRINT @sql
exec (@sql)
```

And then identify the biggest column(s) for those rows.

```sql
-- Get the column sizes for some rows
declare @TableName nvarchar(128)
declare @PKcol nvarchar(128)
declare @sql nvarchar(max)
set @TableName = '[dbo].[TableA1]'
set @PKcol = 'Id'
set @sql = 'select ' + @PKcol
select @sql = @sql + ',datalength([' + name + ']) AS [' + name + ']'
from sys.columns where object_id = object_id(@TableName)
set @sql = @sql + ' from ' + @TableName + ' WHERE ' + @PKcol +' in (31,30,29)'
PRINT @sql
exec (@sql)
```

Classification

Root cause Tree - DataSync/Uncoded/Uncoded

How good have you found this content?