**SQL SERVER: Finding Information on Truncated Table (Table, Database, and Schema Name)**

**Note: Please go to the bottom of the page for all-in-one single statement on how to get the table and schema name from the database.**

* This guide is written with the following control information:
* Database name: test
* Schema name: dbo
* Table name: test\_table
* User: ‘sa’
* To begin, we will truncate the ‘test\_table’ table:

USE TEST

GO

TRUNCATE TABLE [dbo].[test\_table]

* To find more information about the table, we first need to trace the truncate event using fn\_dblog function:

SELECT [Transaction Id], [Begin Time], SUSER\_SNAME ([Transaction SID]) AS [User]

FROM fn\_dblog (NULL, NULL)

WHERE [Transaction Name] LIKE 'TRUNCATE%';

GO

* The above result should be similar to the following (I have truncated the table a few times):

Transaction Id Begin Time User

0000:000018e8 2017/09/25 16:49:01:550 sa

0000:000018ed 2017/09/25 16:49:18:823 sa

0000:00001909 2017/09/25 16:50:45:653 sa

0000:00001bba 2017/09/26 09:44:18:763 sa

0000:00001be1 2017/09/26 09:47:08:220 sa

0000:00001e12 2017/09/26 10:29:50:853 sa

0000:00001e25 2017/09/26 10:31:11:710 sa

* Using the Transaction Id from the result, we can filter the lock information (in this case we are using 0000:00001e25 transaction Id; replace it according to your requirement):

SELECT [Lock Information] FROM fn\_dblog (NULL, NULL)

WHERE [Transaction Id] = ‘0000:00001e25’

AND [Lock Information] LIKE '%';

GO

* Below is the result:

Lock Information

HoBt 0:ACQUIRE\_LOCK\_SCH\_M OBJECT: 11:1317579732:0

* The numbers within the result is the ID of your database, table and schema. The number 11 from 11:1317579732:0 is the ID of the database name and 1317579732 is the schema/table ID. We will assume that the table still exists from the database so that you can run below queries on it; otherwise you will have to run it on a backup of the database.
* To find the database name with the above result:

SELECT DB\_NAME (11) AS DatabaseName

Which gives the following:

DatabaseName

Test

* To find the table and schema name with the above result:

SELECT OBJECT\_NAME (1317579732) AS TableName, OBJECT\_SCHEMA\_NAME (1317579732) AS SchemaName

That will give the below result:

TableName SchemaName

test\_table dbo

**All-In-One single statement to find the truncated schema and table within a database:**

DECLARE @Table AS TABLE
([object\_id] nvarchar(100));

INSERT INTO @Table ([object\_id]) (SELECT DISTINCT(SUBSTRING(a.[Lock Information],
(charindex(':', a.[Lock Information], (charindex('OBJECT:', a.[Lock Information], 1)+7)) + 1),
(charindex(':',a.[Lock Information], (charindex(':', a.[Lock Information],
(charindex('OBJECT:', a.[Lock Information], 1)+7))+1)) -
(charindex(':', a.[Lock Information], (charindex('OBJECT:', a.[Lock Information], 1)+7)) + 1))))
FROM fn\_dblog (NULL, NULL) a
WHERE exists (select \* FROM fn\_dblog (NULL, NULL) b
WHERE b.[Transaction Name] LIKE 'TRUNCATE%'
and b.[Transaction Id] = a.[Transaction Id])
AND a.[Lock Information] LIKE '%ACQUIRE\_LOCK\_SCH\_M%')

SELECT c.[name] AS TruncatedSchema, b.[name] AS TruncatedTable
FROM sys.tables b
INNER JOIN @Table AS Tablename
ON
Tablename.[object\_id]
= b.[object\_id]
INNER JOIN sys.schemas c
ON
b.[schema\_id] = c.[schema\_id]