

Persistent tables can be created in Tempdb but not dropped


Last updated by | Francisco O | Nov 23, 2022 at 7:38 AM PST

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Issue

It's possible to create a persistent table on tempdb on SQL Database, but it's not possible to DROP the table afterwards.

A [repair item](#)  has been created to fix this, but there is currently no ETA.

Various operations are not supported against tempdb in Azure sqlldb except creating global temp tables.

However, as mentioned in [the ICM](#) , `select * into` is working for persistent tables, but **not create /alter or drop**.

If customers try to do so, the following error will be presented: **Msg 40515, Level 15, State 1, Line 33 Reference to database and/or server name in 'tempdb.dbo. (...)' is not supported in this version of SQL Server.**

How to Reproduce the Issue

```
/* Currently is possible to create persistent tables on tempdb (using SELECT INTO)*/
SELECT * INTO tempdb.dbo.table_name
FROM sys.tables

/*It's possible to INSERT / UPDATE / DELETE records on the table */
UPDATE tempdb.dbo.table_name
SET object_id = '1'

/*Also possible to TRUNCATE it */
TRUNCATE TABLE tempdb.dbo.table_name

/*Querying from it is also possible */
SELECT *
FROM tempdb.dbo.table_name
```


However, as it was previously mentioned, currently it is not possible to use the CREATE / ALTER table syntax, nor DROP the table:

```
/* However creating a table with CREATE TABLE is not possible */  
CREATE TABLE tempdb.dbo.table_name (Col INT)  
  
/* Nor DROP a previously created table */  
DROP TABLE tempdb.dbo.table_name
```



As mentioned, trying to do so will result in the following error:

Msg 40515, Level 15, State 1, Line 33 Reference to database and/or server name in 'tempdb.dbo. (...)' is not supported in this version of SQL Server.

Mitigation

If the customer only wants to delete the contents of the table, it's possible to use DELETE or TRUNCATE. If the customer wants to remove the table we can advise the customer to use [Invoke-AzSqlDatabaseFailover](#) , or alternatively, scaling up / down the database.

Internal Reference

- [IcM 328531449](#) 
- [Work Item Bug 1951052](#) 

How good have you found this content?



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