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Assignment Document:

Change Data Capture Sql Server

Version: < Sql Server 2008>/ASSIGNMENT/xxxx/x.x

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Example 1 :

If table on which we are performing DML operation has trigger for that action, it’s mandatory to use OUTPUT INTO for that DML operation.

use tempdb

if OBJECT\_ID('dbo.table1') is not null

drop table dbo.table1

go

CREATE TABLE dbo.table1

(

id INT,

employee VARCHAR(32)

)

go

INSERT INTO dbo.table1 VALUES

(1, 'Fred')

,(2, 'Tom')

,(3, 'Sally')

,(4, 'Alice');

GO

SELECT \* FROM dbo.table1;

DELETE FROM dbo.table1

OUTPUT DELETED.\*

WHERE id = 4

--So everything works fine here

--But now, if we create a trigger for DELETE

INSERT INTO dbo.table1 VALUES(4, 'Alice')

CREATE TRIGGER tr\_table1\_del on table1 after delete as select 'trigger'

GO

DELETE FROM dbo.table1

OUTPUT DELETED.\*

WHERE id = 4

/\*

Here we get below error:

Msg 334, Level 16, State 1, Line 1

The target table 'dbo.table1' of the DML statement cannot have any enabled triggers if the statement contains an OUTPUT clause without INTO clause.

\*/

--Simple Workaround

DECLARE @MyTableVar TABLE

(

id INT,

employee VARCHAR(32)

);

DELETE FROM dbo.table1

OUTPUT DELETED.\* into @MyTableVar

WHERE id = 4

Example 2:

If target table of OUTPUT clause (in which we are inserting rows)  should not have any triggers.

CASE 2:

use tempdb

go

if OBJECT\_ID('dbo.parentTablePeople') is not null

Drop table dbo.parentTablePeople

go

Create table dbo.parentTablePeople

(

firstName nvarchar(100)

)

go

if OBJECT\_ID('dbo.childTablePeopleDetails') is not null

Drop table dbo.childTablePeopleDetails

go

Create table dbo.childTablePeopleDetails

(

firstName nvarchar(100)

)

go

Create trigger trg\_childTablePeopleDetails\_insert on childTablePeopleDetails after insert as set nocount on

go

insert into parentTablePeople

output inserted.firstName

into childTablePeopleDetails values('Alice')

/\*

Here we get below error:

Msg 331, Level 16, State 1, Line 1

The target table 'childTablePeopleDetails' of the OUTPUT INTO clause cannot have any enabled triggers.

\*/