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Rollback in Trigger

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I created a trigger `check_id` . With that trigger I want to rollback an `Insert` Statement on `User` in case the `User.Id = 4`

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▼

★

```
ALTER TRIGGER check_id on USER
FOR INSERT
AS
BEGIN
    IF 4 = (SELECT Id from inserted)
    BEGIN
        ROLLBACK;
    END
END
```

However when I do a Insert on `User` with `Id = 4` like this:

```
INSERT INTO USER (Id, Name)
VALUES (4, 'Emmanuel')
```

I get an error:


Rollback not available in an atomic process

What do I wrong? How can I rollback a INSERT within a trigger?

`sql` `sql-server` `tsql`

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edited Sep 13 '15 at 8:49

 **marc_s**
573k ● 128 ● 1107 ● 1254


asked Sep 13 '15 at 8:31


 **John Smith**
2,635 ● 7 ● 37 ● 67


Is that all code? Cannot reproduce see [SqlFiddle](#), when uncomment you get "The transaction ended in the trigger. The batch has been aborted." Also naming table as keyword is very bad practice –

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trigger will fire **once per statement**, so if your `INSERT` statements affects 25 rows, you'll get the trigger fired **once**, but then `Inserted` will contain 25 rows. Which of those 25 rows will your code select here?? `SELECT Id from inserted` - it's non-deterministic, you get *one arbitrary* row and all 24 others are **ignored**. You need to rewrite your trigger to take this into account! – [marc_s](#) Sep 13 '15 at 8:50

Second as marc_s suggest it won't work with multiple rows see `INSERT INTO [user](Id, Name) VALUES (4, 'Emmanuel'), (5, 'AAA');` – [Lukasz Szozda](#) Sep 13 '15 at 8:52 

@marc_s thanks for your help! How could I only rollback the first insert? – [John Smith](#) Sep 13 '15 at 8:55 

1 @JohnSmith Can't you just add check constraint like `ALTER TABLE [user] ADD CONSTRAINT chk_user CHECK (id <> 4)` instead of trigger? [Example](#) – [Lukasz Szozda](#) Sep 13 '15 at 8:56 

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▲ Use check constraint instead:

4

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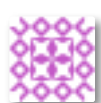
[SqlFiddle](#)

```
ALTER TABLE [user] ADD CONSTRAINT chk_user CHECK (id <> 4);
```

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✓

answered Sep 13 '15 at 9:01


 **Lukasz Szozda**
79.5k ● 10 ● 61 ● 105


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asked 3 years, 4 months ago

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



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