

Re: Typed DataTable – NewRow() – Identity Field

Source:

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.adonet/2006-06/msg00790.html>

- *From:* Chris Chilvers <keeper@xxxxxxxxxxx>
 - *Date:* Thu, 29 Jun 2006 00:29:54 +0100
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If the field is labeled as an identity column then the client should assign a temporary unique value for working locally (for relationships). When you synch with the database you should have the data adaptor fetch the created row from the server which will contain the generated ID.

The insert command would read something like (assuming your sql command type is text, not a stored procedure):

```
'Insert the new row and simultaneously fetch the newly inserted row
'this will include our id (the other advantage of this is it
'can fetch calculated fields, changes made by triggers, etc.
insert_command.CommandText = _
"INSERT INTO tbl (a, b, c) VALUES (@a, @b, @c)" _
& " SELECT (id, a, b, c) FROM tbl WHERE id = scope_identity"
```

```
'This instructs the data adaptor to use the first returned result as the
'rows new values
insert_command.UpdateRowSource = UpdateRowSource.FirstReturnedRecord
```

On Wed, 28 Jun 2006 11:34:07 +0200, "TheMaxx" <themaxxREMOVE@xxxxxx> wrote:

Why do i need to worry about ID field on client, isn't SQL Server responsible for that?

"Cor Ligthert [MVP]" <notmyfirstname@xxxxxxxxxx> wrote in message [news:e\\$3E1%23omGHA.2452@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:e$3E1%23omGHA.2452@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

TheMax,

Use for the identityfield a Guid

```
MyRow.IdentityField = new Guid();
```

I hope this helps,

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Cor

"TheMaxx" <themaxxREMOVE@xxxxxx> schreef in bericht
[news:e7tef5\\$cr2\\$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:e7tef5$cr2$1@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

ADO 2.0

When i do:

```
MyRow = MyDataTable.NewMyRow();
```

```
MyRow.IdentityField value equals last ID + 1
```

What if other user is doing the same thing and gets same ID

On DataTableAdapter.Update both users will try to update with same ID.

I also did not expect IdentityField to have a value (or have it = 0)

because that value should be provided by SQL Server, not in DataTable in memory ?!